Digital Imaging and Communications in Medicine (DICOM)

Part 16: Content Mapping Resource

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FOREWORD

The American College of Radiology (ACR) and the National Electrical Manufacturers Association (NEMA) formed a joint committee to develop a standard for Digital Imaging and Communications in Medicine (DICOM). This DICOM Standard was developed according to the NEMA procedures.

This standard is developed in liaison with other standardization organizations including CEN TC251 in Europe, and JIRA and MEDIS-DC in Japan, with review also by other organizations including IEEE, HL7 and ANSI in the USA.

The DICOM Standard is structured as a multi-part document using the guidelines established in the following document:

— ISO/IEC Directives, 1989 Part 3 : Drafting and Presentation of International Standards.

This document is one part of the DICOM Standard, which consists of the following parts:

PS 3.1: Introduction and Overview

PS 3.2: Conformance

PS 3.3: Information Object Definitions

PS 3.4: Service Class Specifications

PS 3.5: Data Structures and Encoding

PS 3.6: Data Dictionary

PS 3.7: Message Exchange

PS 3.8: Network Communication Support for Message Exchange

PS 3.9: Retired

PS 3.10: Media Storage and File Format for Media Interchange

PS 3.11: Media Storage Application Profiles

PS 3.12: Formats and Physical Media

PS 3.13: Retired

PS 3.14: Grayscale Standard Display Function

PS 3.15: Security and System Management Profiles

PS 3.16: Content Mapping Resource

PS 3.17: Explanatory Information

PS 3.18: Web Access to DICOM Persistent Objects (WADO)

These parts are related but independent documents. Their development level and approval status may differ. Additional parts may be added to this multi-part standard. PS 3.1 should be used as the base reference for the current parts of this standard.

1 Scope and field of application

This part of the DICOM Standard specifies the DICOM Content Mapping Resource (DCMR) which defines the templates and context groups used elsewhere in the standard.

2 Normative references

The following standards contain provisions that, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibilities of applying the most recent editions of the standards indicated below.

UCUM Unified Code for Units of Measure, Regenstrief Institute for Health Care, Indianapolis 2000.

LOINC® Logical Observation Identifier Names and Codes, Regenstrief Institute for Health Care, Indianapolis 2000.

SNOMED CT® Systematized Nomenclature of Medicine – Clinical Terms, International Health Terminology Standards Development Organisation (IHTSDO)

JJ1017 Guidelines for HIS, RIS, PACS – Modality Data Communication on Scheduling, Billing, and Examination Records, JJ1017 Version 3.0, Japan Industries Association of Radiological Systems (JIRA) and Japanese Association of Healthcare Information Systems Industry (JAHIS), 2001October 5, 2005, available from http://www.jira-net.or.jp/commission/system/04_information/files/JJ1017VER3_20051005.doc

RFC 3066 Tags for the Identification of Languages, Internet Engineering Task Force

IEC 60601-2-44 Medical Electrical Equipment – Part 2-44: Particular Requirements for the Safety of X-ray Equipment for Computed Tomography

ISO 639 Codes for the representation of names of languages, International Organization for Standardization

ISO 3166 Codes for the representation of names of countries, International Organization for Standardization

ASTM E 1762-04 Standard Guide for Electronic Authentication of Health Care Information, ASTM International

ASTM E 2084-00 Standard Specification for Authentication of Healthcare Information Using Digital Signatures, ASTM International

HL7 v3 CMET Health Level Seven Version 3 Standard: Common Message Element Types

RadLex A Lexicon for Uniform Indexing and Retrieval of Radiology Information Resources, RSNA, Chicago 2006. Available at "http://www.radlex.org/".

ETDRS ETDRS Report Number 10, Grading Diabetic Retinopathy from Stereoscopic Color Fundus Photographs- An Extension of the Modified Airlie House Classification. Ophthalmology, May 1991, vol98 (p786-805), Supplement

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BI-RADS® Terminology and Nomenclature

A portion of the terminology used within the Mammography CAD SR SOP Class and the Breast Imaging Report and Relevant Patient Information for Breast Imaging templates is derived from BI-RADS®, a copyrighted lexicon of breast imaging terminology and nomenclature licensed by DICOM from the American College of Radiology. BI-RADS® publications are available from the American College of Radiology (http://www.acr.org).

MQCM 1999 Terminology and Nomenclature

References to MQCM 1999 are made in the description of the Mammography CAD SR SOP Class. In this MQCM 1999 refers to the Mammography Quality Control Manual 1999, available from the American College of Radiology. This document describes a standardized approach to mammographic acquisition standards, patient positioning, and so on. The DICOM standard does not require Mammography CAD SR SOP Class implementations to adhere to MQCM 1999.

MQSA Terminology and Nomenclature

References to MQSA are made in the description of the Mammography CAD SR SOP Class. In this MQSA refers to the Mammography Quality Standards Act final rules. While MQSA is a federal regulation of the United States government, it provides the only widely published standards for mammographic quality and is incorporated in this document for that reason. The DICOM standard does not require Mammography CAD SR SOP Class implementations to adhere to MQSA.

ACR Position Statement

American College of Radiology. ACR Position Statement. In: Standards. Reston, Va: 2001:iv.

Fraser and Pare Terminology

References to [Fraser and Pare] are made in the description of the Chest CAD SR templates and context groups. Specifically, these references are to the "Terms Used in Chest Radiology" and "Terms For CT of the Lungs", from Fraser and Pare's Diagnosis of Diseases of the Chest, Fourth Edition, Volume I, pp. xvii-xxxi and pp. xxxiii-xxxvi, respectively.

Performance of CT for Detection of Pulmonary Embolism in Adults

American College of Radiology. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults. In: Standards. Reston, Va: 2001:109-113.

Performance of High-Resolution CT of the Lungs in Adults

American College of Radiology. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults. In: Standards. Reston, Va: 2001:115-118.

Performance of Pediatric and Adult Chest Radiography, ACR

American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Chest Radiography. In: Standards. Reston, Va: 2001:95-98.

Performance of Pediatric and Adult Thoracic CT

American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT). In: Standards. Reston, Va: 2001:103-107.

RECIST

References to the Response Evaluation Criteria In Solid Tumors are made from the Chest CAD SR templates and context groups. These references are based on the article "New Guidelines to Evaluate the Response to Treatment in Solid Tumors", by Patrick Therasse et.al., Journal of the National Cancer Institute, Vol. 92, No. 3, February 2, 2000, pp. 205-216. See also http://www.eortc.be/recist/ .

WHO

WHO Handbook for Reporting Results for Cancer Treatment, World Health Organization, Geneva, 1979, WHO Offset Publication No. 48. See also http://whqlibdoc.who.int/publications/9241700483.pdf.

Myocardial Segmentation

Manuel D. Cerqueira, et al., " AHA Scientific Statement: Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart", Circulation. 2002;105:539, available online at "http://circ.ahajournals.org/cgi/content/full/105/4/539".

Quantitation of the Left Ventricle

Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

AJCC

American Joint Committee on Cancer (AJCC) Cancer Staging Handbook, from the AJCC Cancer Staging Manual, Sixth Edition, Springer-Verlag, 2002 [ISBN 0-387-95270-5].

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C-RADS CT Colonography Reporting and Data System

Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology July 2005; 236:3-9.

3 Definitions

For the purposes of this Standard the following definitions apply.

3.1 CODES AND CONTROLLED TERMINOLOGY DEFINITIONS:

The following definitions are commonly used in this Part of the DICOM Standard:

3.1.1 Baseline Context Group Identifier (BCID): Identifier that specifies the suggested Context Group for a Code Sequence Attribute.

3.1.2 Defined Context Group Identifier (DCID): Identifier that specifies the Context Group for a Code Sequence Attribute that shall be used.

3.1.3 Extensible Context Group: Context Group that may be extended by a particular application by inclusion of additional concepts.

3.1.4 Non-Extensible Context Group: Context Group whose defined set of concepts shall not be extended by an application.

3.1.5 Context Group: A set of coded concepts defined by a Mapping Resource forming a set appropriate to use in a particular context.

3.1.6 Context Group Version: Version of a Context Group.

3.1.7 Context ID (CID): Identifier of a Context Group.

3.1.8 Mapping Resource: A resource that defines context-dependent usage constraints (i.e. Value Set or Relationship Type restrictions) for Attributes. A resource that specifies the mapping of the content of an external controlled terminology to the components of a message standard.

3.1.9 Relationship Type: The association between two Concepts. Examples: “HAS PROPERTIES”, “CONTAINS”, “INFERRED FROM”.

3.1.10 DICOM Content Mapping Resource (DCMR): A Mapping Resource that defines Templates and Context Groups for use in DICOM IODs.

3.1.11 Template: A pattern that describes the Content Items, Value Types, Relationship Types and Value Sets that may be used in part of a Structured Report content tree, or in other Content Item constructs, such as Acquisition Context or Protocol Context. Analogous to a Module of an Information Object Definition.

3.1.12 Template ID (TID): Identifier of a Template.

3.1.13 Value Set: The allowed values of a Code Sequence Attribute in a given context. Specified either as one or more individual values or by reference to a Context Group.

3.1.14 Baseline Template Identifier (BTID): Identifier that specifies a template suggested to be used in the creation of a set of Content Items.

3.1.15 Defined Template Identifier (DTID): Identifier that specifies a template that shall be used in the creation of a set of Content Items.

3.1.16 Extensible Template: A template that may be extended by a particular application by inclusion of additional Content Items beyond those specified in the template.

3.1.17 Non-Extensible Template: A template that specifies the exact set of Content Items and corresponding Value Sets that shall be used and which shall not be extended by an application.

3.1.18 Coding schemes: Dictionaries (lexicons) of concepts (terms) with assigned codes and well defined meanings.

Note: Examples of coding schemes include SNOMED and LOINC**.**

3.2 INFORMATION OBJECT DEFINITIONS:

This Part of the Standard makes use of the following terms defined in PS 3.3:

- Code Sequence Attribute

4 Symbols and abbreviations

The following symbols and abbreviations are used in this Part of the Standard.

Mammography CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for Mammography
Chest CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for chest radiography
Colon CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for colon radiography
ACR	American College of Radiology
ASE	American Society of Echocardiography

CAP	College of American Pathologists
DCMR	DICOM Content Mapping Resource
NEMA	National Electrical Manufacturers Association
RECIST	Response Evaluation Criteria In Solid Tumors
SNOMED	Systematized Nomenclature of Medicine
UCUM	Unified Code for Units of Measure
WHO	World Health Organization

EV	Enumerated Value
DT	Defined Term
CNAME	Context Group Name
TNAME	Template Name
BCID	Baseline Context Group ID
DCID	Defined Context Group ID
ECID	Enumerated Context Group ID
BTID	Baseline Template ID
DTID	Defined Template ID
ETID	Enumerated Template ID

The following upper-case abbreviations represent specific Attributes:

CV	Code Value (0008,0100)
CSD	Coding Scheme Designator (0008,0102)
CM	Code Meaning (0008,0104)
CSV	Coding Scheme Version (0008,0103)

5 Conventions

Terms listed in Section 3 Definitions are capitalized throughout the document.

6 Form of Template Specifications

Templates are patterns that specify the Concept Names, Requirements, Conditions, Value Types, Value Multiplicity, Value Set restrictions, Relationship Types and other attributes of Content Items for a particular application.

An IOD may specify that particular Standard Templates shall be used or may be used to define or constrain the content of a Content Item construct. A Content Item construct includes a coded concept name and one of several types of coded values. Content Item constructs are used in:

- the main Data Set and recursively nested Content Sequences (0040,A730) of the SR Document Content Module
- the Acquisition Context Sequence(0040,0555) of the Acquisition Context Module,

- the Protocol Context Sequence (0040,0440) and Content Item Modifier Sequence (0040,0441) of the Scheduled Procedure Step Module, Image Acquisition Results Module, and others.

Annexes A and C of this Part define Standard Templates.

Note: Standard Extended and Private Templates may be defined by implementors of the Standard. The rules for definition of Standard Extended and Private SR Templates are similar to the rules for definition of Standard Extended and Private SOP Classes. One row of a Template definition table corresponds to one row of a Module table.

Each Standard Template is specified by a Template table in this Part. Each Template table specifies exactly one Template, corresponding to a pattern of content within a Content Item construct.

The range of concepts and the options that are permitted in a family of SR Documents vary inversely with the level of constraint that is applied by the corresponding SR Template. The more narrow the range of concepts and the more restricted the options permitted by a Template, the more predictable the content of the SR Documents will be.

Notes: 1. A very specific Template defines a family of SR Documents that are very similar to each other. They have a narrow range of content options (e.g. high level of constraint of Content Item values; use of CODE or NUM with Enumerated Context Groups) and their content is therefore highly predictable. A very general (e.g. permissive or broad) Template defines a family of SR Documents that may differ considerably from one another. They have a broader range of content options (e.g. low level of constraint of Content Item values; use of TEXT and relatively little restriction of Content Item values) and their content is less predictable.

2. The degree of interoperability that may be achieved with a family of SR Documents generated from a Template may be determined intentionally and precisely at a desired level by appropriate Template design to achieve the necessary degree of predictability of SR Document contents.

6.1 TEMPLATE TABLE FIELD DEFINITION

SR Templates are described using tables of the following form:

TID #
Template Name
Type: (Non-)Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1								
2								
3								

Acquisition Context Templates are described using tables of the following form:

TID #
Template Name
Type: (Non-)Extensible

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1						
2						
3						

Protocol Context Templates are described using tables of the following form:

TID #
Template Name
Type: (Non-)Extensible

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1							
2							
3							

The semantics of the fields (columns) of Template tables are defined by subsections of this Section. A row of a Template table specifies either one Content Item or inclusion of another Template that may specify any number of Content Items (see Section 6.2.3 for definition of Included Templates). Each Template table is named by a title, identified by a TID number and further explained by a description such as explanation of Template contents, purpose and use cases.

The folllowing conventions are defined for the form of references to coded concepts, Context Groups and Templates.

Code Meanings are enclosed in quotation marks (for example “cm”). Code Values and Coding Scheme Designators are not enclosed in quotation marks unless a comma occurs in the string.

References to coded concepts take the following form:

EV or DT (CV, CSD, “CM”)

e.g. an Enumerated Value with only CV, CSD, and CM defined is represented as follows: EV (CV, CSD, “CM”), for example EV (T-04000, SNM3, “Breast”).

MemberOf { BCID or DCID (CID) CNAME } MemberOf selects one term from the specified context group.

If reference to a specific coding scheme version is required, it takes the following form:

EV or DT (CV, CSD [CSV] , “CM”)

e.g., DT (D3-81922, SRT [V1], “Aortic fistula”).

References to Context Groups take the following form:

BCID or DCID (CID) CNAME

e.g. Defined Context Group 5000 is represented as follows: DCID (5000) Language.

References to Templates take the following form:

BTID or DTID (TID) TNAME

e.g. Baseline Template 1000 is represented as follows: BTID (1000) Quotation.

6.1.1 Row Number

Each row of a Template Table is denoted by a row number. The first row is numbered 1 and subsequent rows are numbered in ascending order with increments of 1. This number denotes a row for convenient description as well as reference in conditions. The Row Number of a Content Item in a Template may or may not be the same as the ordinal position of the corresponding Sequence Item (representing the

Content Item) in a Content Sequence (0040,A730), depending on the number of times the Content Item is repeated.

The Content Item specified in the first row of a Template table may be of any Value Type. Specifically, it is not constrained to be a CONTAINER.

6.1.2 Nesting Level (NL)

The nesting level of Content Items is denoted by ">" symbols, one per level of nesting below the initial Source Content Item (of the Template) in a manner similar to the depiction of nested Sequences of Items in Modules Tables in PS 3.3. When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the corresponding Source Content Item. The Nesting Level of a Target Content Item is one greater than the Nesting Level of the corresponding (parent) Source Content Item. The Content Item specified in row 1 of a Template Table is at the top level (i.e. no ">" symbol is ever present in the NL field for the first Content Item in the table).

Acquisition context templates have no Nesting Level field. Protocol Context templates allow a single Nesting Level implemented through the Content Item Modifier Sequence (see PS3.3).

6.1.3 Relationship with Source Content Item (Parent)

Relationship Type and Relationship Mode (i.e. By-value or By-reference) constraints, if defined, are specified in this field, as described in Table 6.1.3-1.

Relationship Type and Mode are specified for each row that specifies a target content item.

Relationship Type and Mode may also be specified when another Template is included, either "top-down" or "bottom-up" or both (i.e. in the "INCLUDE Template" row of the calling Template, or in all rows of the included Template, or in both places). There shall be no conflict between the Relationship Type and Mode of a row that includes another Template and the Relationship Type and Mode of the rows of the included Template.

Note: SR IODs specify Enumerated Values for Relationship Types. If a Relationship Type other than one of the Defined Terms for Relationship Type (0040,A010) is specified in a Private SOP Class, there is a significant risk to interoperability. Documentation accompanying Templates for Private SOP Classes should define any Relationship-type extensions in the manner that the Standard Relationship Types are defined in PS 3.3.

Acquisition context and Protocol Context templates have no Relationship field.

Table 6.1.3-1
Syntax of Relationship Constraints

Expression	Definition
RTYPE	Relationship Mode is By-value and Relationship Type is RTYPE. For example, "INFERRED FROM".
R-RTYPE	Relationship Mode is By-reference and Relationship Type is RTYPE. For example, "R-INFERRED FROM".

6.1.4 Value Type (VT)

The Value Type field specifies the SR Value Type of the Content Item or conveys the word "INCLUDE" to indicate that another Template is to be included (substituted for the row). See Section 6.2.3 for further description of "Included Templates".

6.1.5 Concept Name

Any constraints on Concept Name are specified in this field as defined or enumerated coded entries, or as baseline or defined context groups. Alternatively, when the VT field is "INCLUDE", the Concept Name field specifies the template to be included.

6.1.6 Value Multiplicity (VM)

The VM field indicates the number of times that either a Content Item of the specified pattern or an included Template may appear in this position. Table 6.1.6-1 specifies the values that are permitted in this field.

Table 6.1.6-1
Permitted Values for VM

Expression	Definition
i (where 'i' represents an integer)	Exactly i occurrences, where i>=1. E.g. when i=1 there shall be one occurrence of the Content Item in this position.
i-j	From i to j occurrences, where i and j are >=1 and j>i.
1-n	One or more occurrences

6.1.7 Requirement Type

The Requirement Type field specifies the requirements on the presence or absence of the Content Item or included Template.

Note: There is typically no need to specify Requirement Type separately for SCU and SCP of the Basic SR SOP Classes, because the SCP is required to support the entire content of any SR Document it receives. Therefore, for Basic SR SOP Classes, Requirement Type effectively only applies to the SCU.

The following symbols are used:

M – Mandatory. Shall be present.

MC – Mandatory Conditional. Shall be present if the specified condition is satisfied.

U – User Option. May or may not be present.

UC – User Option Conditional. May not be present. May be present according to the specified condition.

Note: There is an interaction between the VM and the Requirement Type with respect to the number of times that a content item (or included Template) may actually be present, as follows:

Req Type	VM	Actual number of occurences in the content tree
M	1	1
M	1-n	1 to n
U	1	0 or 1
U	1-n	0 to n

6.1.8 Condition

The Condition field specifies any conditions upon which presence or absence of the Content Item or its values depends. This field specifies any Concept Name(s) or Values upon which there are dependencies.

References in Condition statements to coded concepts or values, whether to select a content item to test or to specify a value to test against, are of the form (CV, CSD, "CM"). As is always the case for coded entries, the matching is performed against CV and CSD, irrespective of the string value of CM.

References may also be made to row numbers (e.g. to specify exclusive OR conditions that span multiple rows of a Template table).

The following abbreviations are used:

XOR = Exclusive OR. One and only one row shall be selected from mutually-exclusive options.

Note: For example, if one of rows 1, 2, 3 or 4 may be included, then for row 2, the abbreviation "XOR rows 1,3,4" is specified for the condition.

IF = Shall be present if the condition is TRUE; may be present otherwise.

IFF = If and only if . Shall be present if the condition is TRUE; shall not be present otherwise.

6.1.9 Value Set Constraint

Value Set Constraints, if any, are specified in this field as defined or enumerated coded entries, or as baseline or defined context groups.

The Value Set Constraint column may specify a default value for the Content Item if the Content Item is not present, either as a fixed value, or by reference to another Content Item, or by reference to an Attribute from the dataset other than within the Content Sequence (0040,A730).

6.1.9.1 NUM Units Constraint

Constraints on units of measurement, if any, are specified in the Value Set Constraint field if and only if the Value Type is NUM. The constraints are specified either as defined or enumerated coded entries, or as baseline or defined context groups.

6.1.9.2 CONTAINER Continuation Flag Constraint

The value of the Continuity of Content Flag (0040,A050) may be specified in the Value Set Constraint field if and only if the Value Type is CONTAINER.

Note: The SR Document Content Module specifies "SEPARATE" and "CONTINUOUS" as the Enumerated Values for Continuity of Content Flag (0040,A050).

6.1.9.3 SCOORD Graphic Type Constraint

Constraints on the value of the Graphic Type (0070,0023) may be specified in the Value Set Constraint field if and only if the Value Type is SCOORD. The constraint may specify a set of allowed values, or a set of disallowed values. For example:

GRAPHIC TYPE = {POINT}

GRAPHIC TYPE = {CIRCLE, ELLIPSE}

GRAPHIC TYPE = not {MULTIPOINT}

6.2 SPECIAL CONVENTIONS FOR TEMPLATE TABLES

6.2.1 Multiple Value Sets Depending on Different Conditions

When a Content Item may have different value sets, each depending on different conditions, the description of each different case begins in a separate row of the Template Table.

6.2.2 Target Content Items of Relationships

When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the Source Content Item. The Nesting level of a Target Content Item (or set of Target Content Items specified indirectly via an 'include Template' macro) is one greater than the Nesting Level of the corresponding Source Content Item, as indicated by an increase in the number of ">" characters in the nesting level.

When a Content Item may be the Source of multiple relationships having different Relationship Types and/or different Relationship Modes and/or different patterns of Target Content Item(s), the description of each different case begins in a separate row of the Template Table.

When the Source Content Item of a relationship has VM of greater than 1, the specified pattern of Target Content Items applies to all instantiations of the Source Content Item.

Note: For example, if a Template specifies that the VM of a Source Content Item is 1-n and specifies a By-value relationship to two CODE Content Items with particular value set constraints, then each instantiation of the Source Content Item has a By-value relationship to two CODE Content Items with the specified value constraints.

When a Source Content Item that has a Requirement Type of U, UC or MC is not present (is not instantiated), no Target Content Items of that Source Content Item are present, even if one or more of the Target Content Items is designated with a Requirement Type of M or MC.

Note: In otherwords, potential children are not present when there is no parent.

6.2.3 Inclusion of Templates

A Template may specify another Template to be included by specifying “INCLUDE” in the Value Type field and the identifier of the included Template in the Concept Name field. All of the rows of the specified Template are in included in the invoking Template, effectively substituting the specified template for the row where the inclusion is invoked. Whether or not the inclusion is user optional, mandatory or conditional is specified in the Requirement and Condition fields. The number of times the included Template may be repeated is specified in the VM field.

6.2.3.1 Template Parameters

A Template that is included by another Template may include parameters that are replaced by values defined in the invoking Template. Parameters may be used to specify coded concepts or Context Groups in the Concept Name, Condition, or Value Set Constraint fields of a Template.

An included Template that accepts parameters shall be introduced by a table listing those parameters of the form:

Parameter Name	Parameter Usage

Parameters are indicated by a name beginning with the character "$".

The invoking Template may specify the value of the parameters in the included Template by name in the Value Set Constraint field of the INCLUDE row. The parameter in the included Template shall be replaced by the specified parameter value. Specification of a parameter value shall be of one of the following forms:

Notation	Definition
$parametername = EV or DT (CV, CSD, "CM")	The parameter passed to the template is the specified coded term.
$parametername = (CV, CSD, "CM")	The parameter passed to the template is the specified coded term, used as a parameter in a Condition field of the included Template.
$parametername = BCID or DCID (CID) CNAME	The parameter passed to the template is the Context Group.

$parametername = MemberOf {BCID or DCID (CID) CNAME}	The parameter passed to the template is a single coded term from the Context Group in curly braces.

The specification of a parameter value is valid only for the directly included template. Therefore, it needs to be explicitly respecified in templates intermediate between the originally specifying Template and the target Template. The intermediate Template may use the same parameter name as used by the Template it invokes; in such a case, the intermediate Template would invoke the subsidiary Template with a specification in the Value Set Constraint field such as:

$parametername = $parametername

Note: In this case, the left hand instance of $parametername is the name in the subsidiary template, and the right hand instance is the (parameterized) value passed into the current template.

The invoking template is not required to specify all parameters of included templates. If not specified, the value set (term or context group) for that parameter is unconstrained. An unconstrained value in a Condition will cause the condition to fail.

6.2.4 Post-coordinated Codes and Has Concept Modifier Relationship

Though it may not be explicitly shown in a particular Template, the use of any coded Concept Name in any Content Item may be defined in a post-coordinated rather than pre-coordinated manner, unless explicitly forbidden by the IOD or the Template.

Accordingly, any such Content Item may have any number of Target Content Items via a “HAS CONCEPT MOD” relationship, even if not explicitly specifed in a Template. Each Target Content Item of such a relationship may be more complicated than a single Content Item if the IOD permits (i.e. the post-coordinated concept may potentially be defined by a complex sub-tree).

6.2.5 Extension of Templates

An Extensible Template may be extended in an Application generating SOP Instances to include additional Content Items in its definition. Such Content Items shall not duplicate concepts for which an encoding is defined in the Template. I.e., if a method is provided for the encoding of a concept in the Template, that concept shall not be encoded using a different Content Item in an extension to the Template.

A Non-extensible Template shall not be modified in an Application by the addition of Content Items to its definition.

Notes: The set of Content Items in either an Extensible or a Non-extensible Template may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.

A Non-Extensible Template may include a Template that is Extensible. In invoking such a Template, the content structure of SOP Instances created from the Non-Extensible Template may vary according to the varying content structure allowed by the extension of the included Template.

Note: Specification of such extensible content in a Non-Extensible Template may be desirable if the Template defines, e.g., a fixed top level structure into which a variety of lower level structures may be "plugged".

7 DCMR Context Group Specifications

Context Groups specify Value Set restrictions for Code Value (0008,0100) and Code Meaning (0008,0104) of Code Sequence Attributes for given functional or operational contexts. This Section specifies the semantics of DCMR Context Group Tables.

7.1 CONTEXT GROUP TABLE FIELD DEFINITION

Context Groups are described using tables of the following form (optional columns are shown with italic column titles):

Context ID <#>
<Context Group Name>
Type: (Non-)Extensible Version: <yyyymmdd>

Coding Scheme Designator	*Coding Scheme Version*	Code Value	Code Meaning	*<Reference Terminology> Equivalent Value*

A row of a Context Group table specifies one coded concept. Each Context Group table is named by a title and identified by a CID number and version.

The columns of the tables consist of:

- Coding Scheme Designator (0008,0102)
- Code Value (0008,0100)
- Code Meaning (0008,0104)

In those cases where it is necessary, Coding Scheme Version (0008,0103) may also be specified. This column may be absent if Coding Scheme Version is not required for any of the coded concepts in the Context Group.

The value specified in the Code Meaning field is an acceptable value for the specified code value, but does not preclude the use of other synonymous text in the same or other language.

Note: Some coding schemes such as LOINC do not specify the equivalent of a Code Meaning.

If further description of the concept represented by the code is required in the DCMR (rather than referring to an external coding scheme), it is included in a separate table.

An optional column may provide an informative mapping from the coded concepts of the Context Group to a reference terminology specified in the column heading.

A Context Group may alternatively be defined by narrative reference to an externally defined coding scheme.

Note: See for instance CID 82.

7.2 SPECIAL CONVENTIONS FOR CONTEXT GROUP TABLES

7.2.1 Include Context Group

The ‘Include Context Group’ macro is a concise mechanism for including (by-reference) all of the rows of a specified Context Group in the invoking Context Group, effectively substituting the specified Context Group for the row where the macro is invoked. If an ‘Include Context Group’ is specified, it shall be specified in the Concept Name column of a Context Group Table. Table 7.2.1-1 specifies the syntax of the ‘Include Context Group macro. Inclusion may be nested, in that included Context Groups may themselves include other Context Groups. This gives rise to the possibility of circular inclusion and

multiple inclusion, in which case the Context Group shall consist of the transitive closure of the set of all coded concepts within the included Context Groups.

Note: For example, it is reasonable to have the following definitions for context groups:
Context ID 1, includes Context IDs 2 and 3
Context ID 2, includes Context IDs 4 and 5
Context ID 3, includes Context IDs 5 and 6
Context ID 4 contains a, b, c
Context ID 5 contains e, f, g
Context ID 6 contains a, h, i
The contents of Context ID 1 will be a, b, c, e, f, g, h, i.

Table 7.2.1-1
Include Context Group Macro

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
…	…	…
Include CID nnn		
…	…	…

7.2.2 Units Of Measurement

Context Group 82 is defined to include all units of measurement relevant to DICOM IODs. In the past it was envisaged that an extensible list of pre-coordinated codes would be included in the mapping resource.

DICOM has now adopted the Unified Codes for Units of Measurement (UCUM) standard for all units of measurement. This coding scheme allows for the “construction” of pre-coordinated codes from atomic components.

The specialization of the UCUM standard as it is used in DICOM involves the following rules:

- the Coding Scheme Designator is specified as “UCUM”
- the version of UCUM from which a code is constructed is specified in Coding Scheme Version
- the Code Value will be constructed from UCUM and make use of the “case-sensitive” form of UCUM code (e.g. “ml/s”)
- the Code Meaning for other than UCUM unity may be one of three classes of synonyms:
  - the same string as sent in the Code Value when an abbreviation is required (e.g. “ml/s”)
  - constructed from the “names” of individual components using the Americanized form of name (e.g. “milliliters/second”)
  - constructed from the “names” of individual components using the European form of name (e.g. “millilitres/second”)
- In the case of UCUM unity (“1”, or curly bracket expression) it is forbidden to use “1” as a Code Meaning. Annex G provides Code Meanings for a Code Value (0008,0100) of 1. A Template or Context Group may constrain the Code Meaning according to the following rules:

- UCUM default unit 1 shall use one of the Code Meaning synonyms specified in Annex G
- ratios of identically dimensioned values may use ({ratio}, UCUM, “ratio“)
- unitless numeric scores may use ({M:N}, UCUM, “range: M:N”) to specify the minimum and maximum value, for example, ({0:10}, UCUM, “range: 0:10”)
- counts using UCUM annotation shall always use the text within the curly braces as the Code Meaning, for example, ({masses}, UCUM, “masses”)

7.2.3 Extension of Context Groups

An Application may extend an Extensible Context Group by adding terms for new concepts. Applications may not substitute other terms of the same concept in the Context Group. Such extension may be made without a change in Context Group Identifier, but with the specification of Code Set Extension (see PS3.3).

Non-extensible Context Groups shall not be modified in an Application.

Note: The set of concepts in either an Extensible or a Non-extensible Context Group may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.

8 Coding Schemes

Table 8-1 list the coding schemes (and their designators) defined for use in DICOM. Additionally, any coding scheme may be used that has an entry in the HL7 Registry of Coding Schemes, in which case the HL7 Symbolic Name shall be used as the value for the Coding Scheme Designator in DICOM, as long as it does not conflict with an entry in Table 8-1 and fits within the Value Representation of the DICOM Coding Scheme Designator (0008,0102) attribute.

Notes:
1. An earlier version of this table was formerly contained in Annex D of PS 3.3.
2. See PS3.3 “Coding Scheme Designator and Coding Scheme Version” for further description.
3. The Coding Scheme UIDs are provided for reference only; the normative specification of UIDs and their associated meaning is the responsibility of the coding scheme developer and/or HL7.
4. The HL7 registration of Coding Schemes is available at “http://www.hl7.org/oid/index.cfm”.
5. Use of some Coding Schemes may require a license.

Table 8-1 Coding Schemes

Coding Scheme Designator	Coding Scheme UID	Description
ACR	2.16.840.1.113883.6.76	ACR Index for Radiological Diagnosis Revised, 3rd Edition 1986
ASTM-sigpurpose	1.2.840.10065.1.12	ASTM E 2084 Signature Purpose codes (see Annex A1 of ASTM E 2084), ASTM Subcommittee E 31.20 Data and System Security for Health Information
BARI		Bypass Angiography Revascularization Investigation, Alderman, EL and Stadius, M, Coronary Artery Disease 1992,3:1189-1207; endorsed by ACC/AHA Guidelines for Coronary Angiography, J Am Coll Cardiol 1999,33:1791
BI		ACR Breast Imaging Reporting and Data System (BI-RADS®BI-RADS®), Coding Scheme Version (0008,0103) is required; code values are section and paragraph identifiers within the publication

		where the code meaning is defined (e.g., "I.D.1", where I = Breast Imaging Lexicon, D = Special Cases, 1 = Tubular Density, as the code value for "Tubular Density"). Note: In the HL7 registry, the abbreviation BI is assigned to a different coding scheme, specifically the Beth Israel problem list.
C4	2.16.840.1.113883.6.12	American Medical Association's Current Procedure Terminology 4 (CPT-4)
C5	2.16.840.1.113883.6.82	American Medical Association's Current Procedure Terminology 5 (CPT-5)
CD2	2.16.840.1.113883.6.13	American Dental Association's (ADA) Current Dental Terminology 2 (CDT-2)
DCM	1.2.840.10008.2.16.4	DICOM Controlled Terminology; PS 3.16 Content Mapping Resource, Annex D (Note that HL7 also specifies an OID of 2.16.840.1.113883.6.31, but deprecates it in favor of 1.2.840.10008.2.16.4).
DCMUID	1.2.840.10008.2.6.1	DICOM UID Registry
FMA	2.16.840.1.113883.6.119	Digital Anatomist Foundational Model of Anatomy
HPC	2.16.840.1.113883.6.14	Healthcare Financing Administration (HCFA) Common Procedure Coding System (HCPCS)
I10	2.16.840.1.113883.6.3	International Classification of Diseases revision 10 (ICD-10)
I10P	2.16.840.1.113883.6.4	ICD-10 Procedure Coding System (ICD 10 PCS)
I9	2.16.840.1.113883.6.42	International Classification of Diseases revision 9 (ICD-9)
I9C	2.16.840.1.113883.6.2	International Classification of Diseases revision 9, with Clinical Modifications (ICD-9-CM)
ISO639_1	2.16.840.1.113883.6.99	Two-letter language codes (Note: HL7 uses "ISO639-1" for the symbolic name, with a hyphen rather than an underscore)
ISO639_2	2.16.840.1.113883.6.100	Three-letter language codes (Note: HL7 uses "ISO639-2" for the symbolic name, with a hyphen rather than an underscore)
ISO3166_1	2.16.1	ISO 3166-1 alpha-2 Country Codes (Note: HL7 uses "ISO3166-1" for the symbolic name, with a hyphen rather than an underscore)
ISO5218_1		Representation of Human Sexes (not used – see note)
ISO_OID		ISO/IEC 8824-1– Information Technology – Abstract Syntaxt 1 (ASN.1): Specification of Basic Notation, and ISO/IEC 9834-1 – Information technology -- Open Systems Interconnection -- Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the ASN.1 Object Identifier tree
LN	2.16.840.1.113883.6.1	Logical Observation Identifier Names and Codes, Regenstrief Institute
MDC	2.16.840.1.113883.6.24	ISO/IEEE 11073 Medical Device Nomenclature, including all its subsections (-10101, -10102, etc.), encoded as decimal strings <partition>:<element>
MDNS		Universal Medical Device (UMD) Nomenclature System
NCDR		American College of Cardiology National Cardiovascular Data Registry™ Cath Lab Module Version 1.1, 1997; Version 2.0b, 1999
NPI		HCFA National Provider Identifier
POS	2.16.840.1.113883.6.50	HCFA Place of Service (POS) Codes for Professional Claims

RADLEX	2.16.840.1.113883.6.256	RadLex
RFC3066	2.16.840.1.113883.6.121	RFC 3066, Tags for the Identification of Languages, Internet Engineering Task Force (Note: HL7 uses “IETF3066” for the symbolic name)
99SDM	2.16.840.1.113883.6.53	SNOMED DICOM Microglossary (Retired) (see Section 8.1)
SCPECG		Standard Communications Protocol for Computer-Assisted Electrocardiography, Draft proposal for ISO Standard, AAMI, Revision 1.3
SNM3	2.16.840.1.113883.6.51	SNOMED International_Version 3 (see Section 8.1)
SRT	2.16.840.1.113883.6.96	SNOMED-CT, using the “SNOMED-RT style” code values (see Section 8.1) (Note: HL7 uses “SNM” for the symbolic name)
UCUM	2.16.840.1.113883.6.8	Unified Code for Units of Measure
UMLS	2.16.840.1.113883.6.86	UMLS codes as CUIs making up the values in a coding system
UPC	2.16.840.1.113883.6.55	Universal Product Code - Universal Code Council

Note: Coding Scheme Designator ISO5218_1 was improperly specified in earlier editions of the standard. The codes attributed to that coding scheme have been added to the DICOM Controlled Terminology, and thus all references to coding scheme ISO5218_1 should be considered equivalent to coding scheme DCM.

8.1 SNOMED

SNOMED (the Systematized Nomenclature of Medicine) is the preferred coding system within DICOM for anatomy, clinical findings, procedures, pharmaceutical/biologic products (including contrast agents), and other clinical terms.

Note: SNOMED is a registered trademark of the International Health Terminology Standards Development Organisation.

SNOMED has had various versions, including SNOMED International (Version 3), which was issued in 1993 and revised through 1998, SNOMED Reference Terminology, the successor to SNOMED 3 that was published between 1999 and 2001, and SNOMED Clinical Terms, which has been the name since 2002. The coding scheme is fully backward-compatible across SNOMED 3, SNOMED-RT, and SNOMED CT. SNOMED CT introduced a solely numeric set of codes (ConceptID) in addition to the former alphanumeric codes (SnomedID), but all SNOMED terminology concepts have both a numeric and an alphanumeric code.

In previous editions of the DICOM Standard, the following Coding Scheme Designators were used for SNOMED codes in DICOM:

- "99SDM", denoting the provisional SNOMED DICOM Microglossary
- "SNM3", denoting SNOMED International (Version 3)
- “SRT”, originally denoting SNOMED-RT

All uses of SNOMED coded terms in DICOM are now indicated by the Coding Scheme Designator “SRT”, identifying them as SNOMED CT terms using the “SNOMED-RT style” alphanumeric code values, with some exceptions:

- The NM and PET Image IODs in some code sequences require the Coding Scheme Designator “99SDM” as an Enumerated Value (see PS3.3).

- The Mammography View Codes of CID 4014 and CID 4015 may use the Coding Scheme Designator “SNM3” for implementation adherence to regulatory approvals.

Consequently, when a Coding Scheme Designator of “99SDM” or “SNM3” is encountered, it shall be treated as equivalent to “SRT” for the purpose of interpreting the Code Value.

Note: “SRT” as a coding scheme designator is used only in the DICOM Standard. HL7v2 did not standardize a coding scheme designator for SNOMED-RT.

When interoperating with systems that use SNOMED CT codes obtained from a source other than the DICOM Standard, Application Entities may receive Code Sequences with a Coding Scheme Designator of “SNOMED-CT” and a numeric ConceptID code. It is the responsibility of such Application Entities to convert any such codes to the alphanumeric SnomedID with Coding Scheme Designator “SRT” for use in DICOM objects and services.

8.2 ISO_OID

ISO 8824 and ISO 9834-1 are the standards defined for the generation of object identifiers that are used as DICOM Unique Identifers (see PS 3.5), can also serve as a general mechanism for identifying organizations and objects defined by those organizations.

When the Coding Scheme Designator is ISO_OID, the Code Value shall be the numeric (dot delimited) form of a valid object identifier.

A repository of known existing object identifiers can be found at http://www.oid-info.com/index.htm. For example:

- the ISO 9834-1 assigned numeric object identifier for the country France, is “1.0.3166.2.2.1.250” (since ISO 3166 defines a means for maintaining country codes using object identifiers)
- the object identifier for the RIPEMD-160 cryptographic hash function is “1.0.10118.3.0.49”
- the object identifier for the HL7 V2 table of codes for marital status is “2.16.840.1.113883.12.2”

The re-use of object identifiers for existing concepts that do not have an alternative more appropriate coding scheme compatible with DICOM provides a mechanism to avoid defining new codes. For example, HL7 assigned object identifiers can be found at http://www.hl7.org/oid/index.cfm.

Though the intent of ISO_OID is to define organizational roots for the hierarchical assignment of object identifiers, and not specifically to identify organizations per se, the organizational root values can be construed as identifying the organization. For example, the DICOM Standards Organization itself can be identified by the value “1.2.840.10008”. See also CID 5002.

Annex A Structured Reporting Templates (Normative)

This Annex specifies the content of Standard Templates that may be used by DICOM SR IODs.

GENERAL TEMPLATES

TID 300 Measurement

This Template provides a general structure for a numeric measurement, together with evaluations of its normality and/or significance, and the inference source(s) for its value. This structure is instantiated by inclusion of this Template with specific contextual parameters from a parent Template.

TID 300 Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units of Measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value for Anatomic Location of measurement
$TargetSiteMod	ModifierValue for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$ImagePurpose	Purpose of Reference for an image used as a source of the measurement
$WavePurpose	Purpose of Reference for a waveform used as a source of the measurement
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter

TID 300
Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	$Measurement	1	M		Units = $Units
2	>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
3	>	HAS CONCEPT MOD	CODE	EV (G-C036, SRT, “Measurement Method")	1	U		$Method
4	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	U		$Derivation
5	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	U		$TargetSite

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality")	1	U		DCID (244) Laterality
7	>>	HAS CONCEPT MOD	CODE	DT (G-A1F8, SRT, “Topographical modifier")	1	U		$TargetSiteMod
8	>	HAS PROPERTIES	INCLUDE	DTID (310) Measurement Properties	1	U		$RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority
9	>	INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 10	$DerivationParameterUnits
10	>	R-INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 9	$DerivationParameterUnits
11	>	INFERRED FROM	INCLUDE	DTID (315) Equation or Table	1	UC	XOR Row 12	$Equation = $Equation
12	>	INFERRED FROM	TEXT	DCID (228) Equation or Table	1	UC	XOR Row 11	
13	>		INCLUDE	DTID (320) Image or Spatial Coordinates	1-n	U		$Purpose = $ImagePurpose
14	>		INCLUDE	DTID (321) Waveform or Temporal Coordinates	1-n	U		$Purpose = $WavePurpose
15	>		INCLUDE	DTID (1000) Quotation	1	U		
16	>	HAS CONCEPT MOD	TEXT	(121050, DCM, “Equivalent Meaning of Concept Name”)	1	U		

Content Item Descriptions

Rows 2, 3, 4, 5	The HAS CONCEPT MOD items allow the explicit definition of terms for post-coordination of the measurement concept name. Additional post-coordinated modifier terms may be included in a SOP Instance based on this template, in accordance with section 6.2.4, or as defined by templates that invoke this template and expicitly define additional post-coordinated modifiers (e.g., TID 5203).
Rows 9, 10	The INFERRED FROM items allow the specification (by-value or by-reference) of numeric values that were used in the derivation of the numeric measurement of Row 1. The nature of the inference is not explicitly conveyed; it may be implicit in the Concept Names of the measurements. Inference by-reference is valid only in SOP Classes that permit the INFERRED FROM relationship by-reference.
Row 16	Equivalent Meaning of Concept Name allows the creating application to specify the preferred composed concept name representing the measurement and the associated post-coordinated concept modifiers. The concept modifiers may include those specified in this template, in a template that invokes this template, or at the option of the creating application in accordance with section 6.2.4. This composed concept name may be rendered by a display application.

TID 310Measurement Properties

This Template provides the properties of a numeric measurement, including evaluations of its normality and/or significance, its relationship to a reference population, and an indication of its selection from a set of measurements.

TID 310 Parameters

Parameter Name	Parameter Usage
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement

TID 310
Measurement Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121402, DCM, “Normality”)	1	U		DCID (222) Normality Codes
2			INCLUDE	DTID (311) Measurement Statistical Properties	1	U		$RefAuthority = $RefAuthority
3			INCLUDE	DTID (312) Normal Range Properties	1	U		$RangeAuthority = $RangeAuthority
4			CODE	EV (121403, DCM, “Level of Significance”)	1	U		DCID (220) Level of Significance
5			NUM	DCID (225) Measurement Uncertainty Concepts	1-n	U		
6			CODE	EV (121404, DCM, “Selection Status”)	1	U		DCID (224) Selection Method

TID 311Measurement Statistical Properties

This Template provides the statistical properties of a reference population for a numeric measurement, and/or the position of a measurement in such a reference population.

TID 311 Parameters

Parameter Name	Parameter Usage
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population

TID 311
Measurement Statistical Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID (221) Measurement Range Concepts	1-n	M		
2			TEXT	EV (121405, DCM, ”Population description”)	1	U		
3			TEXT	EV (121406, DCM, “Reference Authority”)	1	UC	XOR row 4	
4			CODE	EV (121406, DCM, “Reference Authority”)	1	UC	XOR row 3	$RefAuthority

TID 312Normal Range Properties

This Template provides the normal range of values for a numeric measurement.

TID 312 Parameters

Parameter Name	Parameter Usage
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement

TID 312
Normal Range Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID (223) Normal Range Values	1-n	M		
2			TEXT	EV (121407, DCM, ”Normal Range description”)	1	U		
3			TEXT	EV (121408, DCM, “Normal Range Authority”)	1	UC	XOR row 4	
4			CODE	EV (121408, DCM, “Normal Range Authority”)	1	UC	XOR row 3	$RangeAuthority

TID 315Equation or Table

TID 315 Parameters

Parameter Name	Parameter Usage
$Equation	Coded term or Context Group for the equation or table from which a measurement was derived or computed

TID 315
Equation or Table
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (228) Equation or Table	1	M		$Equation
2	>	HAS PROPERTIES	NUM		1-n	U		
3	>	R-HAS PROPERTIES	NUM		1-n	U		

Content Item Descriptions

Row 2 - The HAS PROPERTIES allows the specification of the numeric values used as input to the equation or table identified in Row 1.

Row 3 - The HAS PROPERTIES allows the specification by-reference of the numeric values used as input to the equation or table. This row is valid only in SOP Classes that permit the HAS PROPERTIES relationship by-reference.

Note: For example, if Row 1 identifies a specific Body Surface Area equation, Rows 2 and 3 can be used to convey (by-value or by-reference) the Patient Height and Patient Weight numeric measurements used in the BSA computation.

TID 320Image or Spatial Coordinates

This Template provides a general structure for inference from an image, either as a whole, or with specific spatial coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Image Content Item may be included by-reference.

TID 320 Parameters

Parameter Name	Parameter Usage
$Purpose	Purpose of Reference for an image used as a source of the measurement

TID 320
Image or Spatial Coordinates
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		INFERRED FROM	IMAGE	$Purpose	1	MC	XOR Rows 2, 3	
2		R-INFERRED FROM	IMAGE		1	MC	XOR Rows 1, 3	
3		INFERRED FROM	SCOORD	$Purpose	1	MC	XOR Rows 1, 2	
4	>	SELECTED FROM	IMAGE		1	MC	XOR Row 5	
5	>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	

TID 321Waveform or Temporal Coordinates

This Template provides a general structure for referencing a waveform, either as a whole, or with specific temporal coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Waveform Content Item may be included by-reference.

TID 321 Parameters

Parameter Name	Parameter Usage
$Purpose	Purpose of Reference for a waveform used as a source of the measurement

TID 321
Waveform or Temporal Coordinates
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		INFERRED FROM	WAVEFORM	$Purpose	1	MC	XOR Rows 2, 3	
2		R-INFERRED FROM	WAVEFORM		1	MC	XOR Rows 1, 3	
3		INFERRED FROM	TCOORD	$Purpose	1	MC	XOR Rows 1, 2	
4	>	SELECTED FROM	WAVEFORM		1	MC	XOR Row 5	
5	>	R-SELECTED FROM	WAVEFORM		1	MC	XOR Row 4	

TID 350 References to Supporting Evidence

This template provides references to supporting evidence in the form of DICOM composite objects. This includes references to images, spatial coordinates on images, and other composite objects, such as Structured Reports.

TID 350
REFERENCES TO SUPPORTING EVIDENCE

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	BCID (7003) Diagnostic Imaging Report Purposes of Reference	1-n	U		
2			SCOORD	BCID (7003) Diagnostic Imaging Report Purposes of Reference	1-n	U		
3	>	SELECTED FROM	IMAGE		1	M		
4			COMPOSITE	DT (122073, DCM, "Current procedure evidence")	1-n	U		
5	>	HAS CONCEPT MOD	CODE	EV (121144, DCM, “Document Title")	1	U		

TID 351 Previous Reports

This general template provides a means to reference previous structured reporting composite object instances.

TID 351
PREVIOUS REPORTS

Type: Extensible

	NL	Rel with	VT	Concept Name	VM	Req	Condition	Value Set Constraint

		Parent				Type		
1			CONTAINER	EV (111549, DCM, ”Previous Reports”)	1	M		
2	>	CONTAINS	COMPOSITE		1-n	M		

Content Item Descriptions

Row 2	Concept Name may be the Root Concept Name (title) of a Structured Report composite object instance.

TID 1000 Quotation

Unless otherwise specified, content in an SR tree is “directly” observed. When material is quoted (from a source that is either a document or something spoken), then it is necessary to specify:

- the fact that one is quoting
- who is doing the quoting
- the source of the quote
- who is being quoted, and who and what the quote is about

This template establishes a mechanism for quoting by specifying:

- the fact that one is quoting, by the presence of the contents of the template in the tree
- that the “observer context” above the invocation of this template establishes who is doing the quoting
- the source of the quote, by the values of the content items in this template
- who is being quoted, and who and what the quote is about, by the observation context that is established at the start of the quoted material

This template may be invoked recursively, to nest quotes within quotes. In essence, the chain of who is quoting whom can be established by maintaining a “stack” of observer context.

If a dimension of observation context is the same in the quoted material as in the enclosing tree, then the observation context does not need to be respecified (e.g. the quote may be about the same subject or procedure). Typically, the observer context would change (unless one were quoting oneself).

In the case of quoting something that was spoken, the “observer” is the person speaking.

TID 1000 is attached using HAS OBS CONTEXT relationships to the top node of the material that is being quoted. The presence of the Quoted Source concept signals the fact that the material is quoted rather than directly observed.

TID 1000
QUOTATION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	CODE	EV (121001, DCM, “Quotation Mode”)	1	M		EV (121003, DCM, “Document”) EV (121004, DCM, “Verbal”)
2		HAS OBS	COMPOSITE	EV(121002,DCM,”Quoted	1	MC	Required if quoted material	

		CONTEXT		Source")			source is a DICOM composite object	
3		HAS OBS CONTEXT	INCLUDE	DTID (1001) "Observation Context"	1	M		

TID 1001 Observation Context

Specifies attributes of observation context that may be defined, extended or replaced at any location in the SR tree.

This includes attributes that specify:

- who or what the observation is about ("subject context")
- what procedure the observation is about ("procedure context")
- who or what is making the observation ("observer context")

Establishing context includes two aspects of each dimension: identification and description (e.g. patient name and ID vs. patient's age, height or weight).

Whenever one dimension of context is changed or an attribute is added, all attributes of that dimension of context are "flushed", that is they need to be repeated in their entirety. For example, when the subject is changed from patient (name, id) to fetus (number), then the parameters of the patient are discarded. E.g. the patient's ID does not apply to the fetus.

"Extending" the same class and dimension of observation context isn't feasible, since one cannot "null out" or remove a previously set attribute. Any time a dimension of observation context is "replaced", any attributes that are unspecified remain unspecified (i.e. they are not inherited).

TID 1001
OBSERVATION CONTEXT
Type: Non-Extensible

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	HAS OBS CONTEXT	INCLUDE	DTID (1002) "Observer Context"	1-n	MC	Required if all aspects of observer context are not inherited.	Defaults to the attributes of the Author Observer Sequence (0040,A078), or the Verifying Observer Sequence (0040,A073) if the Author Observer Sequence is not present
2	HAS OBS CONTEXT	INCLUDE	DTID (1005) "Procedure Context"	1	MC	Required if all aspects of procedure context are not inherited.	
3	HAS OBS CONTEXT	INCLUDE	DTID (1006) "Subject Context"	1	MC	Required if all aspects of observation subject context are not inherited.	

TID 1002 Observer Context

The observer (person or device) that created the Content Items to which this context applies.

Whenever this template is invoked, all previously inherited attributes of Observer Context are discarded and replaced.

There may be more than one observer, as this template may be invoked with a VM 1-n, and both person and device observers. In such a case, the Content Items of TID 1003 and 1004 shall be included in the order in which the values of Observer Type are specified. Since TID 1003 and 1004 both include a single mandatory Content Item as their first Content Item, which observer is being described can be determined

TID 1002
OBSERVER CONTEXT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	CODE	EV (121005,DCM, "Observer Type")	1	MC	IF Observer type is device	DCID (270) Observer Type Defaults to (121006,DCM, "Person")
2		HAS OBS CONTEXT	INCLUDE	DTID (1003) Person observer identifying attributes	1	MC	IFF Row 1 value = (121006,DCM, "Person") or Row 1 is absent	
3		HAS OBS CONTEXT	INCLUDE	DTID (1004) Device observer identifying attributes	1	MC	IFF Row 1 value = (121007,DCM, "Device")	

TID 1003 Person Observer Identifying Attributes

This template contains identifying (and optionally descriptive) attributes of persons that are observers.

TID 1003
PERSON OBSERVER IDENTIFYING ATTRIBUTES
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (121008,DCM, "Person Observer Name")	1	M		
2			TEXT	EV (121009,DCM, "Person Observer's Organization Name")	1	U		Defaults to Institution Name (0008,0080) of the General Equipment Module
3			CODE	EV (121010,DCM, "Person Observer's Role in the Organization")	1	U		BCID(7452) Organizational Roles
4			CODE	EV (121011,DCM, "Person Observer's Role in this Procedure")	1	U		BCID(7453) Performing Roles

TID 1004 Device Observer Identifying Attributes

This template (derived from the DICOM General Equipment Module of PS3.3) contains identifying (and optionally descriptive) attributes of devices that are observers.

TID 1004
DEVICE OBSERVER IDENTIFYING ATTRIBUTES
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121012,DCM, “Device Observer UID”)	1	M		
2			TEXT	EV (121013,DCM, “Device Observer Name”)	1	U		Defaults to value of Station Name (0008,1010) in General Equipment Module
3			TEXT	EV (121014,DCM, “Device Observer Manufacturer”)	1	U		Defaults to value of Manufacturer (0008,0070) in General Equipment Module
4			TEXT	EV (121015,DCM, “Device Observer Model Name”)	1	U		Defaults to value of Manufacturer’s Model Name (0008,1090) in General Equipment Module
5			TEXT	EV (121016,DCM, “Device Observer Serial Number”)	1	U		Defaults to value of Device Serial Number (0018,1000) in General Equipment Module
6			TEXT	EV (121017,DCM, “Device Observer Physical Location during observation”)	1	U		

TID 1005 Procedure Context

This template contains identifying (and optionally descriptive) attributes of the procedure that is the source of evidence being interpreted.

Whenever this template is invoked, all previously inherited attributes of Procedure Context are discarded and replaced.

Note: If an observed digital image is identified by other than a DICOM UID, a Study Instance UID must be generated for the non-DICOM evidence. The same must be done to document interpretation of hard-copy radiographs generated outside of the scope of the DICOM system.

TID 1005
PROCEDURE CONTEXT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121018,DCM, “Procedure Study Instance UID”)	1	U		Defaults to Study Instance UID (0020,000D) of General Study Module
2			UIDREF	EV (121019,DCM, “Procedure Study Component UID”)	1-n	U		
3			TEXT	EV (121020,DCM, “Placer Number”)	1	U		
4	>	HAS CONCEPT MOD	TEXT	EV (110190,DCM, “Issuer of Identifier”	1	U		See note
5			TEXT	EV (121021,DCM, “Filler Number”)	1	U		

6	>	HAS CONCEPT MOD	TEXT	EV (110190,DCM, “Issuer of Identifier”	1	U		See note
7			TEXT	EV(121022,DCM,” Accession Number”)	1	U		Defaults to (0008,0050)
8	>	HAS CONCEPT MOD	TEXT	EV (110190,DCM, “Issuer of Identifier”	1	U		See note
9			CODE	EV(121023,DCM, ”Procedure Code”)	1-n	U		Defaults to Procedure Code Sequence (0008,1032) of General Study Module

Content Item Descriptions

Rows 4, 6, 8	The issuer shall be formatted in accordance with the HL7v2 Hierarchic Designator Data Type. That format is [*Namespace ID*]^[*Universal ID^Universal ID Type*], where *Namespace ID* identifies an entity within the local namespace or domain, *Universal ID* is a universal or unique identifier for an entity, and *Universal ID Type* specifies the standard format of the Universal ID (see HL7 v2 Section 2.A.33).

TID 1006 Subject Context

This template contains identifying (and optionally descriptive) attributes of the subject of the observation.

Subject context identifies (and optionally) describes the subject of the observation, whether it be a patient (human or animal), a fetus (human or animal), a specimen, or a device.

TID 1006
SUBJECT CONTEXT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121024, DCM, "Subject Class”)	1	MC	IF subject is not the Patient	DCID (271) Observation Subject Class Defaults to (121025, DCM, "Patient”)
2			INCLUDE	DTID (1007) Subject Context, Patient	1	UC	IFF Row 1 value = (121025,DCM, "Patient") or Row 1 is absent	May be used for human or animal patients
3			INCLUDE	DTID (1008) Subject Context, Fetus	1	UC	IFF Row 1 value = (121026,DCM, "Fetus")	May be used for human or animal fetuses
4			INCLUDE	DTID (1009) Subject Context, Specimen	1	UC	IFF Row 1 value = (121027, DCM, “Specimen”)	
5			INCLUDE	DTID (1010) Subject Context, Device	1	UC	IFF Row 1 value = (121192, DCM, “Device Subject”)	

TID 1007 Subject Context, Patient

Identifies (and optionally describes) a patient who is the subject.

TID 1007
SUBJECT CONTEXT, PATIENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121028,DCM, "Subject UID")	1	U		E.g. SOP Instance UID of Detached Patient Instance
2			PNAME	EV (121029,DCM, "Subject Name")	1	MC	Required if not inherited.	Defaults to value of Patient's Name (0010,0010) in Patient Module
3			CODE	EV (121030,DCM, "Subject ID")	1	MC	Required if not inherited.	Defaults to value of Patient ID (0010,0020) in Patient Module
4			DATE	EV (121031,DCM, "Subject Birth Date")	1	U		Defaults to value of Patient's Birth Date (0010,0030) in Patient Module
5			CODE	EV (121032,DCM, "Subject Sex")	1	U		Defaults to value equivalent to Patient's Sex (0010,0040) in Patient Module DCID (7455) Sex
6			NUM	EV (121033,DCM, "Subject Age")	1	U		Defaults to value of Patient's Age (0010,1010) in Patient Study Module Units DCID (7456) Units of Measure for Age
7			CODE	EV (121034,DCM, "Subject Species")	1	MC	Required if not inherited.	DCID (7454) Species to define various animals or plants, e.g. veterinary or research. Defaults to (L-85B00, SRT,"homo sapiens").
8			CODE	EV (121035,DCM, "Subject Breed")	1	U		Defaults to value of Patient Breed Code Sequence (0010,2293) in General Patient Module DCID (7480)

TID 1008 Subject Context, Fetus

Identifies (and optionally describes) a fetus who is the subject.

TID 1008
SUBJECT CONTEXT, FETUS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (121036,DCM, "Mother of fetus")	1	U		Defaults to an observation subject that is a patient prior to replacing the Observation Subject Class with Fetus.
2			UIDREF	EV (121028,DCM, "Subject UID")	1	U		For longitudinal tracking of individual fetuses
3			TEXT	EV (121030,DCM, "Subject ID")	1	MC	IF row 4 is absent	For longitudinal tracking of individual fetuses (human readable value e.g. "A" or "1")

4			TEXT	EV (11951-1,LN, "Fetus ID")	1	MC	IF row 3 is absent	For separation of multiple fetuses during this procedure e.g. fetus '1" of '2" … not for longitudinal comparisons.; ie. the "m" of fetus "m" of "n"
5			NUM	EV (11878-6,LN, "Number of Fetuses")	1	U		i.e. the "n" of fetus "m" of "n" Units EV (1,UCUM,"no units")

TID 1009 Subject Context, Specimen

Identifies (and optionally describes) a specimen that is the subject.

TID 1009
SUBJECT CONTEXT, SPECIMEN
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121039,DCM, "Specimen UID")	1	U		
2			INCLUDE	DTID (1007) "patient subject context"	1	UC	IFF the source of the specimen is a human or animal patient	
3			TEXT	EV (121041,DCM, "Specimen Identifier")	1	U		
4			TEXT	EV (111724, DCM, "Issuer of Specimen Identifier")	1	U		See content item descriptions
5			CODE	EV (-00254,SRT, "Specimen Type")	1	U		DCID (8103) Anatomic Pathology Specimen Types
6			TEXT	EV (111700,DCM, "Specimen Container Identifier")	1	U		

Content Item Descriptions

Row 4	The Issuer of Specimen Identifier shall be formatted in accordance with the HL7 v2 Hierarchic Designator data type (see HL7 v2.6 Section 2.A.33), i.e., [*Namespace ID*]^[*Universal ID^Universal ID Type*]

TID 1010 Subject Context, Device

Identifies (and optionally describes) a device that is the subject of observations.

TID 1010
SUBJECT CONTEXT, DEVICE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121193,DCM, "Device Subject Name")	1	M		
2			UIDREF	EV (121198,DCM, "Device Subject UID")	1	U		
3			TEXT	EV (121194,DCM,	1	U		

				"Device Subject Manufacturer")				
4			TEXT	EV (121195,DCM, "Device Subject Model Name")	1	U		
5			TEXT	EV (121196,DCM, "Device Subject Serial Number")	1	U		
6			TEXT	EV (121197,DCM, "Device Subject Physical Location during observation")	1	U		

TID 1020 Person Participant

This template describes a person participating in an activity as other than an observer or subject. E.g. for a dose report documenting an irradiating procedure, participants include the person administering the irradiation and the person authorizing the irradiation.

This Template is included with specific contextual parameters from a parent Template.

TID 1020 Parameters

Parameter Name	Parameter Usage
$PersonProcedureRole	Coded term or Context Group for the Concept Name that describes the nature of the person's participation in this procedure.

TID 1020
PERSON PARTICIPANT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (113870,DCM, "Person Name")	1	M		
2	>	HAS PROPERTIES	CODE	EV (113875,DCM, "Person Role in Procedure")	1	M		$PersonProcedureRole
3	>	HAS PROPERTIES	TEXT	EV (113871,DCM, "Person ID")	1	U		
4	>	HAS PROPERTIES	TEXT	EV (113872,DCM, "Person ID Issuer")	1	U		
5	>	HAS PROPERTIES	TEXT	EV (113873,DCM, "Organization Name")	1	U		
6	>	HAS PROPERTIES	CODE	EV (113874,DCM, "Person Role in Organization")	1	U		BCID (7452) Organizational Roles

Content Item Descriptions

Row 1	The name of the person participating in the role identified in Row 2.
Row 2	The procedural role played by the person in this procedure.
Row 6	The organizational role played by the person in the organization.

TID 1021 Device Participant

This template describes a device participating in an activity as other than an observer or subject. E.g. for a dose report documenting an irradiating procedure, participants include the irradiating device.

This Template is included with specific contextual parameters from a parent Template.

TID 1021 Parameters

Parameter Name	Parameter Usage
$DeviceProcedureRole	Coded term or Context Group for the Concept Name that describes the nature of the device's participation in this procedure.

TID 1021
DEVICE PARTICIPANT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (113876, DCM, "Device Role in Procedure")	1	M		$DeviceProcedureRole
2	>	HAS PROPERTIES	TEXT	EV (113877, DCM, "Device Name")	1	U		
3	>	HAS PROPERTIES	TEXT	EV (113878, DCM, "Device Manufacturer")	1	M		
4	>	HAS PROPERTIES	TEXT	EV (113879, DCM, "Device Model Name")	1	M		
5	>	HAS PROPERTIES	TEXT	EV (113880, DCM, "Device Serial Number")	1	M		

Content Item Descriptions

Row 1	If no Device Procedure Role is provided, BCID (7445) Device Participating Roles may be used.
Row 2	This may be used for the name by which the organization manages the device.

TID 1200 Language Designation

Defines a mechanism for specifying a language, optionally with designation of the country in which that language applies.

Notes: 1. For example, the French language could be specified unmodified, or French as written in France or Canada could be distinguished.

2. The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

TID 1200
LANGUAGE DESIGNATION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint

1			CODE	(121045,DCM,"Language")	1	M		DCID(5000)
2	>	HAS CONCEPT MOD	CODE	(121046,DCM,"Country of Language")	1	U		DCID(5001)

TID 1201 Language of Value

Defines a mechanism for specifying the language in which the value of the parent content item (only) is written. Does not specify the language of the Concept Name of the parent content item, nor of any other descendants of the parent content item.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

TID 1201
LANGUAGE OF VALUE
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	(121047,DCM,"Language of Value")	1	M		DCID(5000)
2	>	HAS CONCEPT MOD	CODE	(121046,DCM,"Country of Language")	1	U		DCID(5001)

TID 1202 Language of Name and Value

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent content item (only) is written. Does not specify the language of any other descendants of the parent content item.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

TID 1202
LANGUAGE OF NAME AND VALUE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	(121048,DCM,"Language of Name and Value")	1	M		DCID(5000)
2	>	HAS CONCEPT MOD	CODE	(121046,DCM,"Country of Language")	1	U		DCID(5001)

TID 1204 Language of Content Item and Descendants

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent content item and any other descendants of the parent content item is written.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

TID 1204
LANGUAGE OF CONTENT ITEM AND DESCENDANTS
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	(121049,DCM,"Language of Content Item and Descendants")	1	M		DCID(5000)
2	>	HAS CONCEPT MOD	CODE	(121046,DCM,"Country of Language")	1	U		DCID(5001)

TID 1210 Equivalent Meaning(s) of Concept Name

Defines a mechanism for specifying one or more equivalent meanings for the Concept Name of the parent content item.

TID 1210
EQUIVALENT MEANING(S) OF CONCEPT NAME
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	TEXT	(121050,DCM,"Equivalent Meaning of Concept Name")	1-n	MC	XOR Row 3	Plain text equivalent of code meaning of the concept name of the content item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set
2	>		INCLUDE	DTID(1201) Language of Value	1	U		
3		HAS CONCEPT MOD	CODE	(121050,DCM,"Equivalent Meaning of Concept Name")	1-n	MC	XOR Row 1	
4	>		INCLUDE	DTID(1201) Language of Value	1	U		

TID 1211 Equivalent Meaning(s) of Value

Defines a mechanism for specifying one or more equivalent meanings for the Value of the parent content item.

TID 1211
EQUIVALENT MEANING(S) OF VALUE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT	TEXT	(121051,DCM,"Equivalent Meaning of Value")	1-n	MC	XOR Row 3	Plain text equivalent of code meaning of the value of the

		CONCEPT MOD		Meaning of Value")				meaning of the value of the content item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set
2	>		INCLUDE	DTID(1201) Language of Value	1	U		
3		HAS CONCEPT MOD	CODE	(121051,DCM,"Equivalent Meaning of Value")	1-n	MC	XOR Row 1	
4	>		INCLUDE	DTID(1201) Language of Value	1	U		

Notes. 1. For example, to describe a longer, more meaningful equivalent (in the same language) for a procedure code than is defined in a coding scheme:

CODE:(121023,DCM,"Procedure Code")=
(50291CC,ICD10PCS,"IMAGING:CNS:CT:SELLA:LOWOSMOLAR:IT,U,E:2PLANE3D")

> *Has Concept Mod* TEXT:(121051,DCM,"Equivalent meaning of value")="imaging study central nervous system of the sella turcica/pituitary gland with low osmolar contrast intrathecal, unenhanced and enhanced, in two planes with 3D reconstructions"

2. For example, to specify a concept name and value in both French and English in Canada:

CODE:(T-D0005,SRT,"Anatomical structure")=(T-04000,SRT,"Breast")

> *Has Concept Mod* CODE:(121048,DCM,"Language of name and value")=(en-CA,RFC3066,"English, Canada")

> *Has Concept Mod* CODE: (121050,DCM,"Equivalent meaning of concept name")=(T-D0005,SRT,"Structure de l'anatomie")

>> *Has Concept Mod* CODE: (121047,DCM,"Langue de la valeur")=(fr-CA,RFC3066,"Français, Canadie")

> *Has Concept Mod* CODE: (121051,DCM,"Equivalent meaning of value")=(T-04000,SRT,"Sein")

>> *Has Concept Mod* CODE: (121047,DCM,"Langue de la valeur")=(fr-CA,RFC3066,"Français, Canadie")

TID 1350 Negation Modifier, Presence of Finding

Concept Name Modifier for negation of the presence of a finding represented by a post-coordinated concept.

Notes. 1. For example, negation modifier applied to "sclera" in the post-coordinated structure:

CODE: anatomic location = "bile duct"

> HAS PROPERTY -- CODE: morphology = "distention"

>> HAS CONCEPT MOD -- CODE – “presence of property” = "absent"

means: “bile duct distention not present”

2. The presence-negation modifier modifies the entire post-coordinated concept, not just the source content item of the HAS CONCEPT MOD relationship. The entire branch of the tree from the content item is included in the post-coordinated structure that is negated.

TID 1350
NEGATION MODIFIER, PRESENCE OF FINDING
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV(121052,DCM,”Presence of property”)	1	M		DCID (240) Present-Absent

TID 1400 Linear Measurement Template

TID 1400
LINEAR MEASUREMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID (7470) "Linear Measurements"	1	M		UNITS = DCID(7460) "Units of Linear Measurement"
2	>	INFERRED FROM	SCOORD	EV (121055,DCM, "Path")	1	UC	XOR Row 5	GRAPHIC TYPE = {POLYLINE, CIRCLE, ELLIPSE}
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	INFERRED FROM	SCOORD	EV (121230, DCM, "Path Vertex")	2-n	UC	XOR Row 2	GRAPHIC TYPE = {POINT}
6	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 7	
7	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 6	

Content Item Descriptions

Row 2 "Path" Path shall represent the measured path or a projection of the measured path in the image. The Graphic Type (0070,0023) of the Path SCOORD shall be:

- an open POLYLINE with two different points (to measure length, diameter, distance, proximity, etc),
- a CIRCLE or ELLIPSE (to measure circumference) or
- an open or closed POLYLINE (closed polygon) to measure path length (open) or perimeter (closed).

Row 5 "Path Vertex" A measured path that traverses two or more images (e.g., the ends of the path are in different cross-sectional plane images) shall be identified by vertices along the path. The Path Vertices shall be ordered by the order of their SCOORD Content Items to identify the measured path. The Graphic Type (0070,0023) of each SCOORD shall be POINT

TID 1401 Area Measurement Template

TID 1401
AREA MEASUREMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID(7471) "Area Measurements"	1	M		Value shall be > 0 UNITS = DCID(7461) "Units of

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								Area Measurement"
2	>	INFERRED FROM	SCOORD	EV (121056,DCM, "Area Outline")	1	MC	Shall be present if concept name of Row 1 is (G-A16A,SRT, "Area of defined region"). May be present otherwise.	GRAPHIC TYPE = not {MULTIPOINT}
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	HAS PROPERTIES	CODE	EV (G-C036, SRT, "Measurement Method")	1	U		DCID (7473) General Area Calculation Methods

Content Item Descriptions

Row 2 "Area Outline" A Graphic Type of POINT implies that the object is a single pixel and the object's area is the area of the pixel. Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.

TID 1402 Volume Measurement Template

TID 1402
VOLUME MEASUREMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID(7472) "Volume Measurements"	1	M		Value shall be > 0 UNITS = DCID(7462) "Units of Volume Measurement"
2	>	INFERRED FROM	SCOORD	EV (121057,DCM, "Perimeter Outline")	1-n	U		GRAPHIC TYPE = not {MULTIPOINT}
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	HAS PROPERTIES	CODE	EV (G-C036, SRT, "Measurement Method")	1	U		DCID (7474) General Volume Calculation Methods

Content Item Descriptions

Row 2 "Perimeter Outline" The two dimensional perimeter of the volume's intersection with or projection into the image. A Graphic Type of POINT implies that the volume's intersection or projection in a plane is a single pixel. A single pixel projection perimeter cannot cause a volume calculation to become 0.

Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.

TID 1404 Numeric Measurement Template

TID 1404
NUMERIC MEASUREMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	No baseline CID	1	M		Units = DCID (82) Units of Measurement
2	>	INFERRED FROM	SCOORD	No baseline CID	1-n	UC	XOR Row 5, 6	
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	R-INFERRED FROM	IMAGE	BCID (7003) Diagnostic Imaging Report Purposes of Reference	1-n	UC	XOR Row 2,6	
6	>	INFERRED FROM	IMAGE	BCID (7003) Diagnostic Imaging Report Purposes of Reference	1-n	UC	XOR Row 2,5	

Content Item Descriptions

Row 2 The SCOORD may indicate the points or area where the measurement was taken (e.g., a POINT showing the pixel location of a density measurement, or an open POLYLINE of three points showing the calculation of an angle).

Rows 3,5 Valid only in IODs that permit relationships by-reference.

TID 1406 3D Linear Measurement Template

TID 1406
3D LINEAR MEASUREMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID (7470) Linear Measurements	1	M		UNITS = DCID (7460) Units of Linear Measurement
2	>	INFERRED FROM	SCOORD3D	EV (121055,DCM, “Path”)	1	M		GRAPHIC TYPE = {POLYLINE, ELLIPSE, POLYGON}

Content Item Descriptions

Row 2 “Path” Path shall represent the measured path in a reference coordinate space. The Graphic Type (0070,0023) of the Path SCOORD3D shall be:

- an open POLYLINE with two or more different (x,y,z) triplets (to measure length, diameter, distance, proximity, etc.),
- an ELLIPSE (to measure circumference) or
- A closed POLYGON to measure perimeter, where the (x,y,z) triplets are

coplanar.

TID 2000 Basic Diagnostic Imaging Report

Basic report template for general diagnostic imaging interpretation reports.

Can only be instantiated at the root node and cannot be included in other templates.

TID 2000
BASIC DIAGNOSTIC IMAGING REPORT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID(7000) Diagnostic Imaging Report Document Titles	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058,DCM,"Procedure reported")	1-n	U		
3	>	HAS CONCEPT MOD	INCLUDE	DTID(1204) Language of Content Item and Descendants	1	M		
4	>	HAS CONCEPT MOD	INCLUDE	DTID (1210) Equivalent Meaning of Concept Name	1-n	U		
5	>	HAS OBS CONTEXT	INCLUDE	DTID(1001) Observation Context	1	M		
6	>	CONTAINS	CONTAINER	BCID(7001) Diagnostic Imaging Report Headings	1-n	U		
7	>>	HAS OBS CONTEXT	INCLUDE	DTID(1001) Observation Context	1	U		
8	>>	CONTAINS	CODE	BCID(7002) Diagnostic Imaging Report Elements	1-n	U		
9	>>>	INFERRED FROM	INCLUDE	DTID(2001)Basic Diagnostic Imaging Report Observations	1-n	U		
10	>>	CONTAINS	TEXT	BCID(7002) Diagnostic Imaging Report Elements	1-n	U		
11	>>>	INFERRED FROM	INCLUDE	DTID(2001)Basic Diagnostic Imaging Report Observations	1-n	U		
12	>>	CONTAINS	INCLUDE	DTID(2001)Basic Diagnostic Imaging Report Observations	1-n	U		

No content items other than those defined in Observation Context TID 1001 may be the target of a HAS OBS CONTEXT relationship when TID 2000 is invoked.

TID 2001 Basic Diagnostic Imaging Report Observations

Individual numeric or image observations that may be useful for inclusion as individual findings or as the source of inferences in a report.

TID 2001
BASIC DIAGNOSTIC IMAGING REPORT OBSERVATIONS
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint

1			IMAGE	BCID(7003) Diagnostic Imaging Report Purposes of Reference	1	MC	XOR Rows 2,3,4,5.	
2			INCLUDE	TID(1400) Linear Measurements	1	MC	XOR Rows 1,3,4,5. Shall not be present if the NUM value type is not supported by the IOD.	
3			INCLUDE	TID(1401) Area Measurements	1	MC	XOR Rows 1,2,4,5. Shall not be present if the NUM value type is not supported by the IOD.	
4			INCLUDE	TID(1402) Volume Measurements	1	MC	XOR Rows 1,2,3,5. Shall not be present if the NUM value type is not supported by the IOD.	
5			INCLUDE	TID (1404) Numeric Measurements	1	MC	XOR Rows 1,2,3,4. Shall not be present if the NUM value type is not supported by the IOD.	

TID 2005 Transcribed Diagnostic Imaging Report

Basic report template for general diagnostic imaging interpretation reports produced in a dictation/transcription workflow. SR documents encoded using this template are intended to be transformable to HL7 Clinical Document Architecture format (see PS3.17).

This template can be instantiated only at the root node, and cannot be included in other templates.

Observation Context shall be inherited from outside the SR Content tree, and shall not be changed within the Content tree. To satisfy the requirement that Observer Context is inherited, either or both the Author Observer Sequence (0040,A078) or the Verifying Observer Sequence (0040,A073) from the SR Document Module must be present in the SOP Instance.

Note: See Section on Observation Context Encoding in PS3.3

TID 2005
TRANSCRIBED DIAGNOSTIC IMAGING REPORT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID (7000) Diagnostic Imaging Report Document Titles	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121049, DCM, ”Language of Content Item and Descendants”)	1	M		DCID (5000) Language
3	>	CONTAINS	CONTAINER	BCID (7001) Diagnostic Imaging Report Headings	1-n	M		
4	>>	CONTAINS	TEXT	BCID (7002) Diagnostic Imaging Report Elements	1	U		
5	>	CONTAINS	CONTAINER	EV (121180, DCM, “Key Images”)	1-n	U		

6	>>	CONTAINS	TEXT	EV (113012, DCM, ”Key Object Description”)	1	U		
7	>>	CONTAINS	IMAGE	Purpose of Reference is not used	1-n	M		

Content Item Descriptions

Row 3 CONTAINER Concept Name may be absent.

Row 7 IMAGE Concept Name shall be absent.

TID 2010 Key Object Selection

The Key Object Selection template is intended for flagging one or more significant images, waveforms, or other composite SOP Instances. Key Object Selection contains:

- coded document title stating the reason for significance of the referenced objects in the Key Object Selection,
- optional free form text comment in an explicitly identified language, and
- optional identification of the observer (device or person) which created the Key Object Selection.

Notes: 1. For instance, when this template is used to identify images rejected for quality reasons, the device or person performing the quality assessment is identified in observation context items (invoked through TID 1002). The reason for rejection can be included both as a code used as a concept modifier for the document title, and as text description.

2. The order of object references may be significant, e.g., when the title concept is "For Conference".

3. Instances referenced in a Key Object Selection Document may be securely referenced by Digital Signature or MAC mechanisms within the SR Document General Module (See PS 3.3).

The Template can only be instantiated at the root node and cannot be included in other templates. The Template is not extensible; that is, no other content items may be added to this template, or the templates that are included, recursively.

TID 2010
KEY OBJECT SELECTION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID(7010) Key Object Selection Document Titles	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1-n	U		
3	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	UC	IF Row 1 Concept Name = (113001, DCM, "Rejected for Quality Reasons") or (113010, DCM," Quality Issue")	DCID (7011)
4	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	MC	IF Row 1 Concept Name = (113013, DCM, "Best In Set")	DCID (7012)
5	>	HAS CONCEPT MOD	INCLUDE	DTID(1204) Language of Content Item and Descendants	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID(1002) Observer Context	1-n	U		

7	>	CONTAINS	TEXT	EV(113012, DCM, "Key Object Description")	1	U		
8	>	CONTAINS	IMAGE	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 8, 9 and 10 shall be present	
9	>	CONTAINS	WAVEFORM	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 8, 9 and 10 shall be present	
10	>	CONTAINS	COMPOSITE	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 8, 9 and 10 shall be present	

TID 2020 Template for Spectacle Prescription Report Root Template

The Spectacle Prescription Report is a structured report used to represent the prescription for a patient. Usually a prescription is for both eyes, but sometimes just one. The Spectacle Prescription Report defines a refractive correction relative to which visual acuity may be measured subjectively, and thus may be referenced by a Visual Acuity Measurements Storage SOP Instance.

TID 2020
Spectacle Prescription Report
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111671, DCM, "Spectacle Prescription Report")	1	M		
2	>	CONTAINS	CONTAINER	EV (111688, DCM, "Right Eye Rx")	1	UC	IF Right Spectacle Lens is prescribed	
3	>>	CONTAINS	INCLUDE	TID (2021) Spectacle Prescription Details	1	M		
4	>	CONTAINS	CONTAINER	EV (111689, DCM, "Left Eye Rx")	1	UC	IF Left Spectacle Lens is prescribed	
5	>>	CONTAINS	INCLUDE	TID (2021) Spectacle Prescription Details	1	M		
6	>	CONTAINS	NUM	EV (111679, DCM, "Distance Pupillary Distance")	1	U		$UNITS=EV(mm,UCUM,"mm")
7	>	CONTAINS	NUM	EV (111680, DCM, "Near Pupillary Distance")	1	U		$UNITS=EV(mm,UCUM,"mm")
8	>	CONTAINS	TEXT	EV (121106, DCM, "Comments")	1	U		

TID 2021 Template for Spectacle Prescription Details

TID 2021
Spectacle Prescription Details
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	NUM	EV (F-02FB4, SRT, “Sphere”)	1	M		$UNITS=EV([diop],UCUM,”diopters”)
2		CONTAINS	NUM	EV (F-A2143, SRT, “Cylinder Power”)	1	UC	IF Cylinder is prescribed	$UNITS=EV([diop],UCUM,”diopters”)
3		CONTAINS	NUM	EV (F-02FB7, SRT, “Axis”)	1	MC	IF ROW 2 is Present	$UNITS=EV(deg,UCUM ,”degrees”)
4		CONTAINS	NUM	EV (111672, DCM, “Add Near”)	1	UC	IF Add Near is prescribed	$UNITS=EV([diop],UCUM,”diopters”)
5		CONTAINS	NUM	EV (111673, DCM, “Add Intermediate”)	1	UC	IF Add Intermediate is prescribed	$UNITS=EV([diop],UCUM,”diopters”)
6		CONTAINS	NUM	EV (111674, DCM, “Add Other”)	1	UC	IF Add Other is prescribed	$UNITS=EV([diop],UCUM,”diopters”)
7		CONTAINS	NUM	EV (111675, DCM, “Horizontal Prism Power”)	1	UC	IF Horizontal Prism is prescribed	$UNITS=EV([p’diop],UCUM,”prism diopters”)
8		CONTAINS	CODE	EV (111676, DCM, “Horizontal Prism Base”)	1	MC	IF ROW 7 is present	DCID (4214) Ophthalmic Horizontal Directions
9		CONTAINS	NUM	EV (111677, DCM, “Vertical Prism Power”)	1	UC	IF Vertical Prism is prescribed	$UNITS=EV(([p’diop],UCUM,”prism diopters”)
10		CONTAINS	CODE	EV (111678, DCM, “Vertical Prism Base”)	1	MC	IF Row 9 is present	DCID (4215) Ophthalmic Vertical Directions

TID 2100 Macular Grid Thickness and Volume Report

The Macular Grid Thickness and Volume Report is a structured report encoding the macular grid thickness and volume values derived from ophthalmic images, such as ophthalmic OPT images. This may encode measurements of either or both eyes.

The macular grid conveyed by this report is based upon the grid employed by the Early Treatment of Diabetic Retinopathy Study (ETDRS) to measure area and proximity of macular edema to the anatomic center (fovea) of the macula. See *ETDRS Report Number 10*.

TID 2100
Macular Grid Thickness and Volume Report
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111690, DCM, “Macular Grid Thickness and Volume Report”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1001) Observation Context	1	M		
4	>	CONTAINS	INCLUDE	TID (2101) Macular Grid Thickness and Volume Measurement	1	MC	IF Row 5 is absent.	$Laterality = EV (G-A100,SRT, “Right”)
5	>	CONTAINS	INCLUDE	TID (2101) Macular Grid Thickness and Volume Measurement	1	MC	IF Row 4 is absent.	$Laterality = EV (G-A101,SRT, “Left”)

TID 2101 Macular Grid Thickness and Volume Measurement

This Template encodes the macular grid thickness and volume measurements for a single eye.

Parameter Name	Parameter Usage
$Laterality	Which eye

TID 2101
Macular Grid Thickness and Volume Measurement
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070,DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		EV (T-AA000, SRT, “Eye”)
3	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality”)	1	M		$Laterality
4	>	CONTAINS	NUM	EV (57108-3, LN, “Macular Grid.Center Point Thickness”)	1	M		UNITS=EV(um, UCUM, “micrometer”)
5	>	CONTAINS	NUM	EV (57109-1, LN, “Macular Grid.Center Subfield Thickness”)	1	M		UNITS=EV(um, UCUM, “micrometer”)
6	>	CONTAINS	NUM	EV (57110-9, LN, “Macular Grid.Inner Superior Subfield Thickness”)	1	M		UNITS=EV(um, UCUM, “micrometer”)
7	>	CONTAINS	NUM	EV (57111-7, LN, “Macular Grid.Inner Nasal Subfield	1	M		UNITS=EV(um, UCUM, “micrometer”)

				Thickness")				
8	>	CONTAINS	NUM	EV (57112-5, LN, "Macular Grid.Inner Inferior Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
9	>	CONTAINS	NUM	EV (57113-3, LN, "Macular Grid.Inner Temporal Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
10	>	CONTAINS	NUM	EV (57114-1, LN, "Macular Grid.Outer Superior Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
11	>	CONTAINS	NUM	EV (57115-8, LN, "Macular Grid.Outer Nasal Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
12	>	CONTAINS	NUM	EV (57116-6, LN, "Macular Grid.Outer Inferior Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
13	>	CONTAINS	NUM	EV (57117-4, LN, "Macular Grid.Outer Temporal Subfield Thickness")	1	M		UNITS=EV(um, UCUM, "micrometer")
14	>	CONTAINS	NUM	EV (57118-2, LN, "Macular Grid.Total Volume")	1	M		UNITS=EV(mm3, UCUM, "mm3")
15	>	CONTAINS	NUM	EV (111691, DCM, "Number of Images Used for Macular Measurements")	1	M		UNITS = EV ({images}, UCUM, "images")
16	>	CONTAINS	NUM	EV (111692, DCM, "Number of Samples Used per Image")	1	M		UNITS = EV ({samples},UCUM, "samples")
17	>	CONTAINS	NUM	EV (111693, DCM, "Analysis Quality Rating")	1	M		UNITS = EV({0:100}, UCUM, "range:0:100") Value = 0 – 100
18	>>	HAS OBS CONTEXT	INCLUDE	DTID (2102) Quality Rating Identification	1	M		
19	>	CONTAINS	NUM	EV (111694, DCM, "Image Set Quality Rating")	1	M		UNITS = EV({0:100}, UCUM, "range:0:100") Value = 0 – 100
20	>>	HAS OBS CONTEXT	INCLUDE	DTID (2102) Quality Rating Identification	1	M		
21	>	CONTAINS	NUM	EV (111029, DCM, "Image Quality Rating")	1-n	U		UNITS = EV({0:100}, UCUM, "range:0:100") Value = 0 – 100
22	>>	INFERRED FROM	IMAGE	No purpose of reference	1	M		
23	>>	HAS OBS CONTEXT	INCLUDE	DTID (2102) Quality Rating Identification	1	M		
24	>	CONTAINS	CODE	EV (111696, DCM, "Visual Fixation Quality During Acquisition")	1	U		DCID (4220) Visual Fixation Quality During Acquisition
25	>>	HAS CONCEPT MOD	CODE	EV (111697, DCM, "Visual Fixation Quality Problem")	1-n	U		DCID (4221) Visual Fixation Quality Problem
26	>	CONTAINS	CODE	EV (111698, DCM, "Ophthalmic Macular Grid Problem")	1-n	U		DCID (4222) Ophthalmic Macular Grid Problem
27	>	CONTAINS	TEXT	EV (121106, DCM,	1	U		

				"Comments")				

TID 2102 Quality Rating Identification

This template specifies the algorithm (and parameters) used to create a quality rating for an image or image set.

It is expected that the identified algorithm will create a consistent quality rating when analyzing a given image. If the algorithm allows change to its parameters which would alter the quality rating created, the specific parameters used should be specified.

TID 2102
QUALITY RATING IDENTIFICATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (111001, DCM, "Algorithm Name")	1	M		
2			TEXT	EV (111003, DCM, "Algorithm Version")	1	M		
3			TEXT	EV (122405, DCM, "Algorithm Manufacturer")	1	M		
4			TEXT	EV (111002, DCM, "Algorithm Parameters")	1-n	U		

PROCEDURE LOG IOD TEMPLATES

TID 3001 Procedure Log

The Procedure Log template is intended for the representation of reports or logs of time-stamped events occurring during an image-guided interventional or other procedure.

This Template does not require a particular ordering of the subsidiary Content Items.

Notes: 1. The Procedure Log IOD (PS3.3) requires ordering by Observation DateTime; thus log entries of different types (i.e., specified by different Rows in the Template) may appear in any order.
2. While this Template is extensible, the Procedure Log IOD forbids Container Content Items subsidiary to the top level Container.

TID 3001
Procedure Log
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID (3400) Procedure Log Titles	1	M		
2	>		INCLUDE	DTID (1002) Observer Context	1-n	M		
3	>		INCLUDE	DTID (3601) Procedure Context	1	M		
4	>	HAS ACQ CONTEXT	TEXT	EV (121121, DCM, "Room identification")	1	U		
5	>	HAS ACQ CONTEXT	TEXT	EV (121122, DCM, "Equipment identification")	1-n	U		
6	>	CONTAINS	TEXT	DCID (3401) Types of Log Notes	1-n	U		
7	>>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
8	>	CONTAINS	CODE	EV (121123, DCM, “Patient Status or Event”)	1-n	U		DCID (3402) Patient Status and Events
9	>>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
10	>	CONTAINS	PNAME	DCID (3404) Staff Actions	1-n			
11	>>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
12	>	CONTAINS	TEXT	DCID (3427) Equipment Events	1-n	U		Equipment identifier
13	>>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
14	>	CONTAINS	INCLUDE	DTID (3100) Procedure Action	1-n	U		
15	>	CONTAINS	INCLUDE	DTID (3101) Image Acquisition	1-n	U		
16	>	CONTAINS	INCLUDE	DTID (3102) Waveform Acquisition	1-n	U		
17	>	CONTAINS	INCLUDE	DTID (3103) Referenced Object	1-n	U		
18	>	CONTAINS	INCLUDE	DTID (3104) Consumables	1-n	U		
19	>	CONTAINS	INCLUDE	DTID (3105) Lesion Identification and Properties	1-n	U		
20	>	CONTAINS	INCLUDE	DTID (3106) Drugs/Contrast Administered	1-n	U		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
21	>	CONTAINS	INCLUDE	DTID (3107) Device Used	1-n	U		
22	>	CONTAINS	INCLUDE	DTID (3108) Intervention	1-n	U		
23	>	CONTAINS	CODE	EV (DD-60002, SRT, “Complication of Procedure”)	1-n	U		DCID (3413) Adverse Outcomes
24	>>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
25	>	CONTAINS	INCLUDE	DTID (3109) Measurements	1-n	U		
26	>	CONTAINS	INCLUDE	DTID (3110) Impressions or Findings	1-n	U		
27	>	CONTAINS	INCLUDE	DTID (3111) Percutaneous Entry	1-n	U		
28	>	CONTAINS	INCLUDE	DTID (3112) Specimen Obtained	1-n	U		
29	>	CONTAINS	INCLUDE	DTID (3113) Patient Support	1-n	U		
30	>	CONTAINS	INCLUDE	DTID (3114) Patient assessment	1-n	U		
31	>	CONTAINS	INCLUDE	DTID (3115) ECG ST assessment	1-n	U		

Content Item Descriptions

Row 2 includes TID 1002 Observer Context. TID 1002 shall be used to record the identity of the person responsible for recording the log, as well as all other participants in the procedure, even though these personnel may not technically be "observers" of the Procedure Log. As participants in the procedure, they are potential sources for events and observations recorded in the Log. TID 1002 allows the specification of the person’s role in the organization (e.g., physician, nurse), as well as the role in the procedure (e.g., circulating, performing, etc.).

Row 5 shall be used to record the identity of the major equipment used in the procedure.

Row 6 may be used to record any event not covered by a specific log entry template.

TID 3010 Log Entry Qualifiers

The Log Entry Qualifiers Template provides a common means for adding additional description to a procedure log content item. It allows identification of a source for the procedure log entry (other than the recording observer for the log as a whole), a free text comment, a link to a particular Procedure Action item, a link to a particular lesion, or the date/time of recording (if different than the time of the event occurrence recorded in the Observation DateTime of the parent content item).

TID 3010
Log Entry Qualifiers
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID (1000) Quotation	1	U		
2		HAS PROPERTIES	TEXT	EV (121106, DCM, “Comment”)	1	U		
3		HAS OBS CONTEXT	TEXT	EV (121124, DCM, "Procedure Action ID")	1-n	U		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
4		HAS OBS CONTEXT	TEXT	EV (121151, DCM, "Lesion Identifier")	1-n	U		Up to 3 numeric characters
5		HAS OBS CONTEXT	DATETIME	EV (121125, DCM, "DateTime of Recording of Log Entry")	1	U		
6		INFERRED FROM	IMAGE		1-n	U		
7		INFERRED FROM	WAVEFORM		1-n	U		
8		INFERRED FROM	COMPOSITE		1-n	U		
9		HAS OBS CONTEXT	CODE	EV (121135, DCM, ”Observation DateTime Qualifier”)	1	U		DCID (3430) DateTime Qualifiers

Content Item Descriptions

Row 3 Procedure Action ID allows linking recorded events to a particular action, step, or phase of a procedure. See description for TID 3100 Procedure Action.

Row 4 Lesion Identifier is specified as a numeric text string, and allows linking recorded events to the diagnosis or therapy of particular lesion. See description for TID 3105 Lesion Identifier.

TID 3100 Procedure Action

The Procedure Action Template is intended for the recording of the beginning or end of procedure steps or action items in a procedure. The level of granularity of the recorded events is not specified, and may vary between institutions, or even be at multiple levels within a single procedure log. There is no requirement for the real-world procedure step or action item recorded with this template to end before another one begins; there may be overlapping or simultaneous procedure steps or action items.

This log entry template may be used to record the start or stop of timers.

Other recorded events in the procedure may be linked to a particular step or action item by Procedure Action ID (see TID 3010 Log Entry Qualifiers).

TID 3100
Procedure Action
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (3421) Procedure Action	1	M		BCID (3405) Procedure Action Values
2	>	HAS PROPERTIES	TEXT	EV (121124, DCM, "Procedure Action ID")	1	M		
3	>	HAS PROPERTIES	PNAME	BCID (7453) Performing Roles	1-n	U		
4	>	HAS PROPERTIES	NUM	EV (121128, DCM, "Procedure Action Duration")	1	U		
5	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
6	>	HAS	UIDREF	EV (121126, DCM,	1	MC	IFF DICOM Modality	

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
		PROPERTIES		"Performed Procedure Step SOP Instance UID")			or General Purpose Performed Procedure Step SOP Class is used to provide status of the Procedure Step	
7	>	HAS PROPERTIES	UIDREF	EV (121127, DCM, "Performed Procedure Step SOP Class UID")	1	MC	IFF DICOM Modality or General Purpose Performed Procedure Step SOP Class is used to provide status of the Procedure Step	

Content Item Descriptions

Row 2 - The value of the Procedure Action ID shall be uniquely associated with the step or action within the context of the Study, and may be used to associate various Procedure Log entries with the step or action.

Row 3 may be used to record the identity of staff roles for the purpose of this Procedure Action, which may differ from their roles in the procedure as a whole.

TID 3101 Image Acquisition

The Image Acquisition Template allows recording of the essential parameters of a digital image acquired during the procedure.

TID 3101
Image Acquisition
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	EV (121138, DCM, “Image Acquired”)	1	M		
2	>	HAS ACQ CONTEXT	UIDREF	EV (112002, DCM, "Series Instance UID")	1	M		
3	>	HAS ACQ CONTEXT	CODE	EV (121139, DCM, “Modality”)	1	M		DCID (29) Acquisition Modality Derived from referenced image SOP Instance attribute (0008,0060)
4	>	HAS PROPERTIES	NUM	EV (121140, DCM, “Number of Frames”)	1	U		
5	>	HAS PROPERTIES	TEXT	EV (121141, DCM, “Image Type”)	1	U		From referenced image SOP Instance attribute (0008,0008)
6	>	HAS ACQ CONTEXT	NUM	EV (112011, DCM, “Positioner Primary Angle”)	1	U		UNITS = EV (deg, UCUM, “º”)
7	>	HAS ACQ CONTEXT	NUM	EV (112012, DCM, “Positioner Secondary Angle”)	1	U		UNITS = EV (deg, UCUM, “º”)
8	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3102 Waveform Acquisition

The Waveform Acquisition Template allows recording of the essential parameters of a digital waveform acquired during the procedure.

TID 3102
Waveform Acquisition
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			WAVEFORM	EV (121143, DCM, “Waveform Acquired”)	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (121139, DCM, “Modality”)	1	M		DCID (29) Acquisition Modality Derived from referenced waveform SOP Instance attribute (0008,0060)
3	>	HAS ACQ CONTEXT	NUM	EV (121142, DCM, “Acquisition Duration”)	1	U		
4	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3103 Referenced Object

The Referenced Object Template allows reference to measurement or report objects, such as prior medical reports, laboratory results, hemodynamic measurement reports, or quantitative analysis reports.

TID 3103
Referenced Object
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			COMPOSITE	BCID (3407) Purpose of Reference to Object	1	M		
2	>	HAS PROPERTIES	CODE	EV (121144, DCM, “Document Title")	1	MC	IFF Row 1 references an SR object	Root node concept of referenced SR object
3	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3104 Consumables

The Consumables Template allows recording of devices (e.g., catheters or stents), drugs, or contrast agents accessed in a procedure. This content item is directed towards inventory control and billing. The actual clinical use of the particular consumable is recorded using TID 3106 Drugs/Contrast Administered or TID 3107 Device Used.

This template allows recording both consumable retrieval from, and return to, inventory or stock, and disposal of used material. The quantity involved in each recorded transaction may be specified.

TID 3104
Consumables
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (3408) Actions with Consumables	1	M		Vendor or local bar coded values
2	>	HAS PROPERTIES	TEXT	DCID (3426) Consumables Parameters	1-n	U		
3	>	HAS PROPERTIES	NUM	EV (121146, DCM, "Quantity of Material")	1	U		
4	>	HAS PROPERTIES	CODE	EV (121147, DCM, "Billing Code")	1	U		local billing codes
5	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3105 Lesion Identification and Properties

The Lesion Identification and Properties Template allows recording the identification of each lesion addressed in a procedure. The lesion identifier may be used to relate diagnostic or therapeutic actions with their target lesion (see Row 4 in TID 3010 Log Entry Qualifiers). This content item may include the initial visually estimated measurements of stenosis or TIMI flow; measured values from a quantitative measurement report may be referenced indirectly (through TID 3103 Referenced Object), or by quotation (TID 3109 Measurements template). Subsequent (e.g., post-intervention) stenosis measurements may be encoded using TID 3109 Measurements, with the Lesion Identifier conveyed through its subsidiary TID 3010 Log Entry Qualifiers template.

TID 3105
Lesion Identification and Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121151, DCM, “Lesion Identifier")	1	M		Up to 3 numeric characters
2	>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3604) Arterial lesion locations
3	>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier")	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
4	>	HAS PROPERTIES	CODE	EV (121153, DCM, “Lesion Risk")	1	U		DCID (3418) Lesion Risk
5	>	HAS PROPERTIES	NUM	(R-101BB, SRT, “Lumen Diameter Stenosis”)	1	U		UNITS = EV (%, UCUM, "%")
6	>>	HAS CONCEPT MOD	CODE	EV (G-72BB, SRT, “Catheterization Procedure Phase”)	1	M		EV (G-7293, SRT, “Baseline Phase”)

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	U		DCID (3745) Calculation Method
8	>	HAS PROPERTIES	CODE	EV (122109, DCM, "Baseline TIMI Flow")	1	UC	IFF Row 2 specifies a coronary artery	DCID (3713) TIMI Flow Characteristics
9	>	HAS PROPERTIES	CODE	EV (122131, DCM, "Degree of Thrombus")	1	U		DCID (3714) Thrombus
10	>	HAS PROPERTIES	CODE	EV (F-01740, SRT, “Lesion Margin Characteristics”)	1	U		DCID (3715) Lesion Margin
11	>	HAS PROPERTIES	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		DCID (3712) Vessel Descriptors
12	>	HAS PROPERTIES	CODE	EV (122132, DCM, "Severity of Calcification")	1	U		DCID (3716) Severity
13	>	HAS PROPERTIES	IMAGE	DT (121080, DCM, "Best illustration of finding"	1	U		
14	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

Content Item Descriptions

Row 1 Lesion Identifier is specified as a numeric text string in order to facilitate transcoding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™.

TID 3106 Drugs/Contrast Administered

The Drugs/Contrast Administered Template allows the recording of the start or end of that type of event, together with its parameters. If start and end are represented by a single log entry (e.g., for an injection), the concept name “Drug/contrast administered” shall be used.

TID 3106
Drugs/Contrast Administered
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (3409) Administration of Drugs/Contrast	1	M		BCID (10) Interventional Drug, or BCID (12) Radiographic Contrast Agent
2	>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
3	>	HAS PROPERTIES	CODE	EV (G-C340, SRT, "Route of administration")	1	U		BCID (11) Route of Administration
4	>	HAS PROPERTIES	NUM	DCID (3410) Numeric Parameters of Drugs/Contrast	1-n	U		
5	>	HAS PROPERTIES	PNAME	EV (121152, DCM, “Person administering drug/contrast”)	1	U		
6	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3107 Device Used

The Device Used Template allows recording of the use of interventional diagnostic and therapeutic devices.

The identification of one device used to deploy another device (e.g., a balloon catheter to deploy a stent) may be described with two entries, with one identified as a deployment device in the Concept Modifier of Row 6 of this template, and linked by the same Procedure Action ID in the Log Entry Qualifiers of the included TID 3010.

TID 3107
Device Used
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (3422) Device Use Actions	1	M		BCID (3429) Catheterization Devices
2	>	HAS PROPERTIES	CODE	EV (121150, DCM, "Device Code")	1-n	U		Vendor or local bar coded values
3	>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
4	>	HAS PROPERTIES	NUM	DCID (3423) Numeric Device Characteristics	1-n	U		
5	>	HAS PROPERTIES	CODE	EV (G-C0E9, SRT, “Procedure site”)	1	U		BCID (3630) Cardiovascular Anatomic Locations
6	>	HAS CONCEPT MOD	CODE	EV (G-C0E8, SRT, “Has Intent")	1	U		DT (121155, DCM, “Deployment")
7	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3108 Intervention

The Intervention Template allows recording of interventions, including atherectomy, angioplasty, stent placement, brachytherapy, etc. The record may include reference to an image that documents the intervention.

TID 3108
Intervention
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (122090, DCM, "Intervention Action")	1	M		DCID (3412) Intervention Actions and Status
2	>	HAS PROPERTIES	CODE	EV (G-C0E9, SRT, “Procedure site”)	1	M		DCID (3604) Arterial Lesion Locations
3	>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier")	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
4	>	HAS PROPERTIES	TEXT	EV (121154, DCM, "Intervention attempt identifier")	1	M		Up to 3 numeric characters
5	>	HAS	CODE	EV (G-C50A, SRT, "Uses	1-n	U		BCID (3411)

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
		PROPERTIES		Equipment")				Intracoronary Devices
6	>>	HAS CONCEPT MOD	CODE	EV (122111, DCM, "Primary Intervention Device")	1	MC	IF Device is Primary for this Lesion	DCID (230) Yes-No
7	>	HAS PROPERTIES	NUM	DCID (3425) Intervention Parameters	1-n	U		
8	>	HAS PROPERTIES	IMAGE	BCID (7003) Diagnostic Imaging Report Purposes of Reference	1	U		
9	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

Content Item Descriptions

Row 4 Intervention attempt Identifier is specified as a numeric text string, and shall be treated as the ordinal of the recorded attempted intervention within this procedure (i.e., “1” for the first attempted intervention, “2” for the second, etc.).

TID 3109 Measurements

The Measurements Template allows recording of significant measurements, such as vital signs, laboratory results, hemodynamic measurements, or quantitative analysis measurements. These measurements are often quoted from another source, which would be documented in the included TID 3010 Log Entry Qualifiers.

TID 3109
Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	No BCID	1	U		
2	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
3	>	HAS PROPERTIES	INCLUDE	DTID (310) Measurement Properties	1	U		
4			CODE	No BCID	1	U		
5	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3110 Impressions or Findings

The Impressions or Findings Template allows the recording of unconfirmed (provisional) impressions or findings noted during the procedure. It is not intended to convey the Cath Lab Clinical Report (the formal report from the performing physician), although it may be used (like any Procedure Log entry) for the subsequent construction of the Cath Lab Clinical Report.

A finding that is supported by a specific image frame may reference that image in the INFERRED FROM / IMAGE row of the included TID 3010 Log Entry Qualifiers template.

TID 3110
Impressions or Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121071, DCM, "Finding")	1	U		BCID (3728) Cath Findings
2	>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
4	>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	U		
5	>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier")	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
6	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
7			TEXT	BCID (3419) Findings Titles	1	U		
8	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

Content Item Descriptions

Row 4 Finding Site has no Baseline Context ID specified. Typically terms would be drawn from coronary segments, other arterial segments, myocardial segments, etc.

TID 3111 Percutaneous Entry

The Percutaneous Entry Template allows recording of the opening or closing of invasive access ports.

TID 3111
Percutaneous Entry
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121156, DCM, “Percutaneous Entry Action”)	1	M		DCID (3403) Percutaneous Entry
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality")	1	U		DCID (244) Laterality
3	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3112 Specimen Obtained

The Specimen Obtained Template allows recording of obtaining a specimen, and the identifiers for that specimen. This is particularly designed for blood samples that will be analyzed for blood oxygen-related measurements. The analysis of the sample may be recorded in one or more log entries using TID 3109 Measurements Template, or in a separate Structured Report SOP Instance referenced by a log entry using TID 3103 Referenced Object Template.

TID 3112
Specimen Obtained
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, “Patient Status or Event”)	1	M		DCID (3515) Specimen Collection
2	>	HAS ACQ CONTEXT	CODE	EV (R-00254, SRT, "Specimen Type”)	1	UC	IFF specimen is blood sample	DCID (3520) Blood Source Type
3	>	HAS ACQ CONTEXT	CODE	EV (G-C0E9, SRT, “Procedure site”)	1	U		BCID (3630) Cardiovascular Anatomic locations
4	>	HAS PROPERTIES	INCLUDE	DTID (1009) Subject Context, Specimen	1	U		

TID 3113 Patient Support

The Patient Support Template allows recording of the use of various support technologies, including oxygen, ventilation, pacing, etc.

TID 3113
Patient Support
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID (3530) Oxygen Administration Actions	1	U		DCID (3531) Oxygen Administration
2	>	HAS PROPERTIES	NUM	EV (121160, DCM, “Oxygen Administration Rate")	1	MC	IFF Row 1 Concept is (121161, DCM, "Begin Oxygen Administration")	Units = DT (l/min, UCUM, "l/min")
3	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
4			CODE	DCID (3550) Circulatory Support Actions	1	U		DCID (3553) Circulatory Support
5	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
6			CODE	DCID (3551) Ventilation Actions	1	U		DCID (3554) Ventilation
7	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		
8			CODE	DCID (3552) Pacing Actions	1	U		DCID (3555) Pacing
9	>		INCLUDE	DTID (3010) Log Entry Qualifiers	1	U		

TID 3114 Patient Assessment

The Patient Assessment Template allows recording of the assessment of the patient's cardiovascular, neurological, and/or respiratory condition. A particular use of this template is for "vital signs", which are a specific subset of mandatory patient assessment measurements.

TID 3114
Patient Assessment
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, "Patient Status or Event")	1	M		DT (121165, DCM, "Patient Assessment Performed") or DT (PA-00500, SRT, "Observation of Vital Signs")
2	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (F-008EC, SRT, "Systolic blood pressure") $Units = DCID (3500) $Method = BCID (3560) Blood Pressure Methods
3	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (F-008ED, SRT, "Diastolic blood pressure") $Units = DCID (3500)
4	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (8867-4, LN, "Heart rate") $Units = EV ("{H.B.}/min", UCUM, "BPM")
5	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (8310-5, LN, "Body temperature") $Units = EV (Cel, UCUM, "°C")
6	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = DCID (3526) Blood gas saturation $Units = EV (%, UCUM, "%")
7	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (F-043E7, SRT, "Respiration rate") $Units = EV (/min, UCUM, "breaths/min")
8	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1-n	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (122195, DCM, "Pulse Strength") $Method = BCID (3442) Peripheral Pulse Methods $TargetSite = BCID (3440) Peripheral Pulse Locations $Units = DT ("{0:4}", UCUM, "range 0:4")
9	>	HAS PROPERTIES	INCLUDE	TID (300) Measurement	1	MC	IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs")	$Measurement = EV (F-009EA, SRT, "Pain Score") $Units = DT ("{1:10}", UCUM, "range 1:10")
10	>	HAS PROPERTIES	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID (3415) Cardiac Rhythms
11	>	HAS PROPERTIES	CODE	DT (9304-7, LN, "Respiration Rhythm")	1	U		BCID (3416) Respiration Rhythms
12	>	HAS PROPERTIES	CODE	DT (F-043E6, SRT, "Respiration Assessment")	1	U		BCID (3448) Airway Assessment

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>	HAS PROPERTIES	CODE	DT (F-046D8, SRT, “Skin condition")	1-n	U		BCID (3446) Skin Condition
14	>	HAS PROPERTIES	CODE	DT (F-04317, “Patient mental state assessment”)	1	U		No BCID
15	>	HAS PROPERTIES	TEXT	BCID (3441) Patient Assessments	1-n	U		

Content Item Descriptions

Row 8 Pulse Strength allows the assessment of the patient’s pulse at multiple locations using the Topographical concept modifier. It may also be used for a single pulse strength measurement from an unspecified location, as is typical of vital signs assessments.

Row 16 allows free text description of patient assessments that are not expressible by coded entries of Rows 10 to 14.

TID 3115 ECG ST Assessment

The ECG ST Assessment Template allows recording of the assessment of changes in the patient ECG relative to baseline.

TID 3115
ECG ST Assessment
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, “Patient Status or Event”)	1	M		DT (R-41D8B, SRT, “ECG Analysis”)
2	>	HAS PROPERTIES	NUM	DT (122099, DCM, “ST change from baseline”)	1-n	M		Units = EV(uV, UCUM, “uV”)
3	>>	HAS CONCEPT MOD	CODE	DT (122148, DCM, "Lead ID")	1	M		BCID (3001) ECG Leads

QUANTITATIVE VENTRICULAR ANALYSIS REPORT SR IOD TEMPLATES

The templates that comprise the Quantitative Ventricular Analysis SR are interconnected as in Figure A-3:

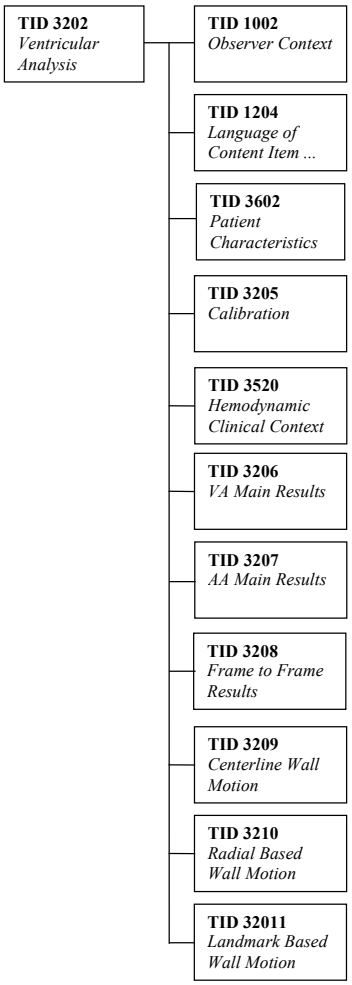


Figure A-3: Quantitative Ventricular Analysis Report SR IOD Template Structure

TID 3202 Ventricular Analysis Template

The Ventricular Analysis Template provides a CONTAINER with a structure for reporting the result of the ventricular analysis.

TID 3202
VENTRICULAR ANALYSIS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122292, DCM, "Quantitative Ventriculography Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language Of Content Item And Descendants	1	M		
3	>	HAS OBS	INCLUDE	DTID (1002) Observer	1-n	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		CONTEXT		Context				
4	>	CONTAINS	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	U		
5	>	CONTAINS	CONTAINER	EV (122144, DCM, “Quantitative Analysis”)	1-n	M		
6	>>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	U		
7	>>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, “Algorithm Name”)	1	M		
8	>>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, “Algorithm Version”)	1	M		
9	>>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, “Algorithm Manufacturer”)	1	M		
10	>>	CONTAINS	IMAGE	EV (121112, DCM, “Source of Measurements”)	1-n	M		
11	>>>	HAS CONCEPT MOD	CODE	EV (G-A60B), SRT, “Cardiac Phase”	1	M		DCID (12233) Cardiac Phase
12	>>>	HAS CONCEPT MOD	CODE	EV (111031, DCM, “Image View”)	1	MC	If Biplane Analysis	DCID (3466) Plane Identification
13	>>	HAS ACQ CONTEXT	INCLUDE	DTID (3205) Calibration	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	$CalibrationPlane = DCID (3466) Plane Identification
14	>>	HAS ACQ CONTEXT	INCLUDE	DTID (3520) Hemodynamic Clinical Context	1	U		
15	>>	CONTAINS	INCLUDE	DTID (3206) VA Main Results	1	M		
16	>>	CONTAINS	INCLUDE	DTID (3207) AA Main Results	1	U		
17	>>	CONTAINS	INCLUDE	DTID (3208) Frame to Frame Results	1	U		
18	>>	CONTAINS	INCLUDE	DTID (3209) Centerline Wall Motion	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	
19	>>	CONTAINS	INCLUDE	DTID (3210) Radial Based Wall Motion	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	
20	>>	CONTAINS	INCLUDE	DTID (3211) Landmark Based Wall Motion	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	

Content Item Descriptions

Row 7	Identifies the Ventricular Analysis program
Row 8	Identifies the Ventricular Analysis program version
Row 9	Identifies the Ventricular Analysis program manufacturer
Row 10	Identifies the ES and ED images on which the analysis is based, for frame by frame analysis the analyzed image are specified in the frame by frame results (3208) template

TID 3205 Calibration Template

The Calibration Template consists of a CONTAINER, with a structure for reporting of the calibration of images used in the analysis.

Parameter Name	Parameter Usage
$CalibrationPlane	XA Imaging plane

TID 3205
CALIBRATION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122505, DCM, “Calibration”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111031, DCM, “Image View”)	1	U		$CalibrationPlane
3	>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, “Algorithm Name”)	1	MC	If different from Analysis program specified in the invoking template	
4	>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, “Algorithm Version”)	1	MC	If different from Analysis program specified in the invoking template	
5	>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, “Algorithm Manufacturer”)	1	MC	If different from Analysis program specified in the invoking template	
6	>	CONTAINS	CODE	EV (122422, DCM, “Calibration Method”)	1	M		DCID (3452) Calibration Methods
7	>	CONTAINS	CODE	EV (122421, DCM, “Calibration Object”)	1	MC	If row 6 value specifies Calibration Object Used	DCID (3451) Calibration Object
8	>	CONTAINS	NUM	EV (122423, DCM, “Calibration Object Size”)	1	MC	If row 6 value specifies Calibration Object Used	DCID (3510) Catheter Size Units
9	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (111026, DCM, “Horizontal Pixel Spacing”) $Unit = DT (mm/{pixel}, UCUM, “mm/pixel”) $ImagePurpose = EV (121112, DCM, “Source of Measurement”)
10	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (111066, DCM, “Vertical Pixel Spacing”) $Unit = DT (mm/{pixel}, UCUM, “mm/pixel”) $ImagePurpose = EV (121112, DCM, “Source of Measurements”)
11	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 3	Identifies the Calibration program
Row 4	Identifies the Calibration program version
Row 5	Identifies the Calibration program manufacturer
Row 7	Besides a Sphere and a Catheter, a Distance can be identified as a Calibration Object. In this case a distance measurement of a known dimension of the object is used to calculate the pixel size.
Row 8	The catheter size units is also used to specify the size of other calibration objects (e.g. sphere)
Row 9,10	Spacing in the patient body. Point to a single frame containing the image used for calibration if applicable, the actual measurements may be indicated by a SCOORD (see TID 320, row 3)
Row 11	Secondary Capture image with calibration position

TID 3206 VA Main Results Template

The VA Main Results Template consists of a CONTAINER with a structure for reporting the main ventricular analysis measurements.

TID 3206
VA MAIN RESULTS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3462) Chamber Identification
3	>	CONTAINS	CODE	EV (122429, DCM, “Volume Method”)	1	M		DCID (3453) Cardiac Volume Methods
4	>	CONTAINS	NUM	EV (122435, DCM, “Regression Volume Exponent”)	1	U		Unit = DT (1, UCUM, “no units”)
5	>	CONTAINS	NUM	EV (122431, DCM, “Regression Slope ED”)	1	U		Unit = DT (1, UCUM, “ratio”)
6	>	CONTAINS	NUM	EV (122432, DCM, “Regression Offset ED”)	1	U		Unit = DT (ml, UCUM, “ml”)
7	>	CONTAINS	NUM	EV (122433, DCM, “Regression Slope ES”)	1	U		Unit = DT (1, UCUM, “ratio”)
8	>	CONTAINS	NUM	EV (122434, DCM, “Regression Offset ES”)	1	U		Unit = DT (ml, UCUM, “ml”)
9	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = DCID (3467) Ejection Fraction $Unit = DT (%, UCUM, “%”)
10	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3468) ED Volume $Unit = DT (ml, UCUM, “ml”)
11	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3469) ES Volume $Unit = DT (ml, UCUM, “ml”)
12	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, “Stroke Volume”) $Unit = DT (ml, UCUM, “ml”)
13	>	CONTAINS	NUM	EV (8867-4, LN, “Heart Rate”)	1	U		Unit = DT ({hb}/min, UCUM, “beats/min”)
14	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3468) ED Volume $ModType = EV (121425, DCM, “Index”) $ModValue = DCID (3455) Index Methods $Unit = DT (ml/m2, UCUM, “ml/m^ 2”)
15	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3468) ED Volume $ModType = EV (121425, DCM, “Index”) $ModValue = EV (29463-7. LN, “Patient Weight”) $Unit = DT (ml/kg, UCUM, “ml/kg”)
16	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3469) ES Volume $ModType = EV (121425, DCM, “Index”) $ModValue = DCID (3455) Index Methods $Unit = DT (ml/m2, UCUM, “ml/m^2”)
17	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3469) ES Volume $ModType = EV (121425, DCM, “Index”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$ModValue = EV (29463-7. LN, “Patient Weight”) $Unit = DT (ml/kg, UCUM, “ml/kg”)
18	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, “Stroke Volume”) $ModType = EV (121425, DCM, “Index”) $ModValue = DCID (3455) Index Methods $Unit = DT (ml/m2, UCUM, “ml/m^2”)
19	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, “Stroke Volume”) $ModType = EV (121425, DCM, “Index”) $ModValue = EV (29463-7. LN, “Patient Weight”) $Unit = DT (ml/kg, UCUM, “ml/kg”)
20	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (F-32100, SRT, “Cardiac Output”) $Unit = DT (l/min, UCUM, “l/min”)
21	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (F-32110, SRT, “Cardiac Index”) $ModType = EV (121425, DCM, “Index”) $ModValue = DCID (3455) Index Methods $Unit = DT (l/min/m2, UCUM, “l/min/m^2”)
22	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122445, DCM, “Wall Thickness”) $Unit = DT (mm, UCUM, “mm”)
23	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122446, DCM, “Wall Volume”) $Unit = DT (ml, UCUM, “ml”)
24	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122447, DCM, “Wall Mass”) $Unit = DT (g, UCUM, “gram”)
25	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122447, DCM, “Wall Mass”) $ModType = EV (121425, DCM, “Index”) $ModValue = DCID (3455) Index Methods $Unit = DT (g/m2, UCUM, “gram/m^2”)
26	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122447, DCM, “Wall Mass”) $ModType = EV (121425, DCM, “Index”) $ModValue = EV (29463-7. LN, “Patient Weight”) $Unit = DT (g/kg, UCUM, “gram/kg”)
27	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122448,

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								DCM, “Wall Stress”) $Unit = DT (dyn/cm2, UCUM, “dynes/cm^2”)
28	>	CONTAINS	IMAGE	No purpose of reference	1-n	U		

Content Item Descriptions

Row 28	Secondary Capture image with ED and/or ES contours

TID 3207 AA Main Results Template

The AA Main Results Template consists of a CONTAINER with a structure for reporting the main atrial analysis measurements.

TID 3207
AA MAIN RESULTS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3462) Chamber Identification
3	>	CONTAINS	CODE	EV (122429, DCM, “Volume Method”)	1	M		DCID (3453) Cardiac Volume Methods
4	>	CONTAINS	NUM	EV (122435, DCM, “Regression Volume Exponent”)	1	U		Unit = DT (1, UCUM, “no units”)
5	>	CONTAINS	NUM	EV (122431, DCM, “Regression Slope ED”)	1	U		Unit = DT (1, UCUM, “ratio”)
6	>	CONTAINS	NUM	EV (122432, DCM, “Regression Offset ED”)	1	U		Unit = DT (ml, UCUM, “ml”)
7	>	CONTAINS	NUM	EV (122433, DCM, “Regression Slope ES”)	1	U		Unit = DT (1, UCUM, “ratio”)
8	>	CONTAINS	NUM	EV (122434, DCM, “Regression Offset ES”)	1	U		Unit = DT (ml, UCUM, “ml”)
9	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3468) ED Volume $Unit = DT (ml, UCUM, “ml”)
10	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DCID (3469) ES Volume $Unit = DT (ml, UCUM, “ml”)
11	>	CONTAINS	IMAGE	No purpose of reference	1-n	U		

Content Item Descriptions

Row 11	Secondary Capture image with ED and/or ES contours

TID 3208 Frame-to-Frame Results Template

The Frame-to-Frame Result Template consists of a CONTAINER providing measurements derived from the angiographic images on frame-by-frame basis.

TID 3208
FRAME-TO-FRAME RESULT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, “Analysis Performed”)	1	M		EV (122499, DCM, “Frame to Frame Analysis”)
3	>	CONTAINS	IMAGE	EV (121112, DCM, “Source of Measurements”)	1-2	M	VM = 1: Single plane analysis, VM = 2: Biplane analysis	
4	>	CONTAINS	CODE	EV (122429, DCM, “Volume Method”)	1	M		DCID (3453) Cardiac Volume Methods
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	n	M		$Measurement = DCID (3471) Estimated Volumes $TargetSite = DCID (3462) Chamber Identification $Unit = DT (ml, UCUM, “ml”)
6	>	CONTAINS	INCLUDE	DTID (300) Measurement	n	U		$Measurement = EV (122445, DCM, “Wall Thickness”) $Unit = DT (mm, UCUM, “mm”)
7	>	CONTAINS	IMAGE	No purpose of reference	1-n	U		

Content Item Descriptions

Row 3	Identifies each frame analyzed, using the multi-valued Referenced Frame Number (0008,1160) attribute of the IMAGE content item.
Row 5,6	Includes one measurement for each frame referenced in Row 3.
Row 7	Secondary Capture image with ventricular contours

TID 3209 Centerline Wall Motion Template

The Centerline Wall Motion Template consists of a CONTAINER providing measurements of the centerline wall motion.

TID 3209
CENTERLINE WALL MOTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, “Analysis Performed”)	1	M		EV (122449, DCM, “Centerline Wall Motion Analysis”)
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, “Contour Realignment”)	1	M		DCID (3458) Contour Realignment
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	100	M		$Measurement = EV (122450, DCM, “Normalized Chord Length”) $Unit = DT (%, UCUM, “%”)
5	>	CONTAINS	NUM	EV (122411, DCM, “Threshold Value”)	1	M		Values shall be 1, 2 or 3 Units = EV ({sd}, UCUM, “Standard Deviations”)
6	>	CONTAINS	CONTAINER	EV (122451, DCM, “Abnormal Region”)	1-6	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>>	CONTAINS	CODE	EV (F-32050, SRT, “Cardiac Wall Motion”)	1	M		DCID (3703) Wall Motion
8	>>	CONTAINS	CODE	EV (R-404F0, SRT, “Circumferential Extent”)	1	U		DCID (3460) Circumferential Extent
9	>>	CONTAINS	NUM	EV (122452, DCM, “First Chord of Abnormal Region”)	1	M		Unit = DT (1, UCUM, “no unit”)
10	>>	CONTAINS	NUM	EV (122453, DCM, “Last Chord of Abnormal Region”)	1	M		Unit = DT (1, UCUM, “no unit”)
11	>	CONTAINS	CONTAINER	EV (122417, DCM, “Regional Abnormal Wall Motion ”)	1-4	U		
12	>>	HAS CONCEPT MOD	CODE	EV (G-C03E, SRT, “Finding Site”)	1	M		DCID (3461) Regional Extent
13	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122459, DCM, “Territory Region Severity”) $ModType = EV (F-32050, SRT, “Cardiac Wall Motion”) $ModValue = DCID (3703) Wall Motion $Unit = DT ({sd}, UCUM, “Standard Deviations”)
14	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122461, DCM, “Opposite Region Severity”) $ModType = EV (F-32050, SRT, “Cardiac Wall Motion”) $ModValue = DCID (3703) Wall Motion $Unit = DT ({sd}, UCUM, “Standard Deviations”)
15	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 4	Normalized lengths of the chords determined between ED and ES contour. The measurement template allows the specification of the statistical properties of the normal population and of the chord measurement relative to the population.
Row 8	If the Circumferential Extent is not specified no limitations to the boundaries for regions are assumed.
Row 11	The Regional Abnormal Wall Motion container holds the information on the severity of the decreased or increased wall motion of the 4 predefined regions as described in [Sheehan, 1986].
Row 12	The name of the region with an abnormal ventricular wall motion as described in [Sheehan, 1986].
Row 13	The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the territory region as described in [Sheehan, 1986].
Row 14	The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the opposite region as described in [Sheehan, 1986].
Row 15	Secondary Capture image with centerline analysis result

TID 3210 Radial Based Wall Motion Template

The Radial Based Wall Motion Template consists of a CONTAINER providing measurements of the radial based wall motion.

TID 3210
RADIAL BASED WALL MOTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, “Analysis Performed”)	1	M		EV (122493, DCM, “Radial Based Wall Motion Analysis”)
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, “Contour Realignment”)	1	M		DCID (3458) Contour Realignment
4	>	CONTAINS	CONTAINER	EV (121070, DCM, “Findings”)	1-n	M		
5	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3718) Myocardial Wall Segments in Projection
6	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122495, DCM, “Regional Contribution to Ejection Fraction”) $Unit = DT (%, UCUM, “%”)
7	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = EV (122496, DCM, “Radial Shortening”) $Unit = DT (%, UCUM, “%”)
8	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 6	The CREF values of the 6 regions determined for the radial based wall motion
Row 7	The shortening of the measured radials within the region
Row 8	Secondary Capture image with radial based analysis result

TID 3211 Landmark Based Wall Motion Template

The Landmark Based Wall Motion Template consists of a CONTAINER providing measurements of the landmark based wall motion.

TID 3211
LANDMARK BASED WALL MOTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, “Analysis Performed”)	1	M		EV (122497, DCM, “Landmark Based Wall Motion Analysis”)
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, “Contour Realignment”)	1	M		DCID (3458) Contour Realignment
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = EV (122498, DCM, “Slice Contribution to Ejection Fraction”) $Unit = DT (%, UCUM, “%”)
5	>	CONTAINS	CONTAINER	EV (121070, DCM, “Findings”)	5	M		
6	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Sites”)	1	M		DCID (3718) Myocardial Wall Segments in Projection
7	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122495, DCM, “Regional Contribution to Ejection Fraction”) $Unit = DT (%, UCUM, “%”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 8	Secondary Capture image with Landmark Based Analysis result

QUANTITATIVE ARTERIAL ANALYSIS REPORT SR IOD TEMPLATES

The templates that comprise the Quantitative Arterial Analysis SR are interconnected as in Figure A-4:

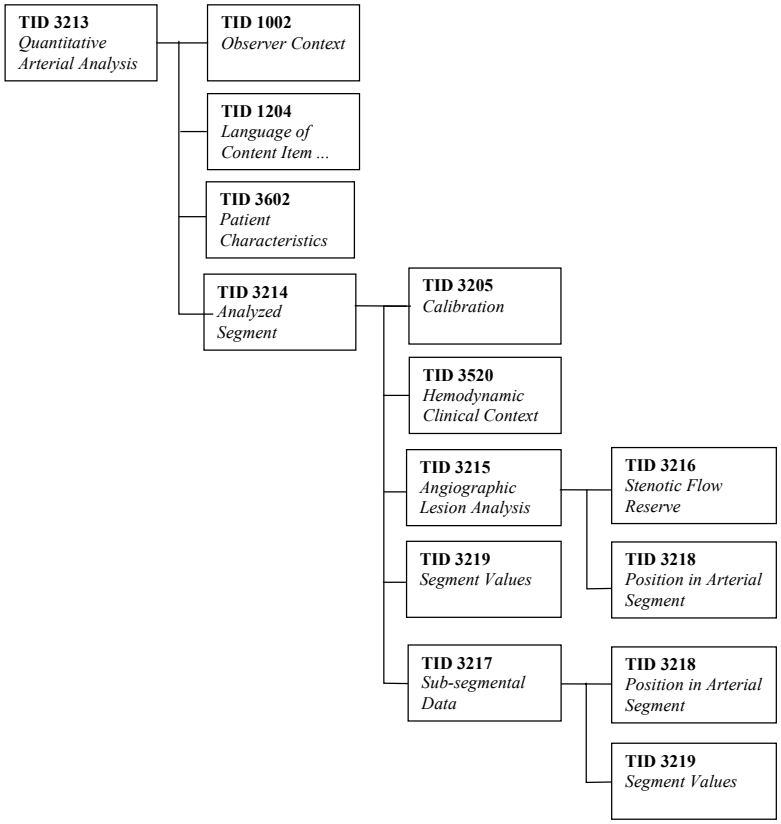


Figure A-4: Quantitative Arterial Analysis Report SR IOD Template Structure

TID 3213 Quantitative Arterial Analysis Template

The Quantitative Arterial Analysis Template consists of a CONTAINER with a structure for reporting the result of the quantitative arterial analysis process.

TID 3213
QUANTITATIVE ARTERIAL ANALYSIS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122291, DCM, “Quantitative Arteriography Report”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language Of Content Item And Descendants	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	M		
4	>	CONTAINS	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	U		
5	>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, “Algorithm Name”)	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, “Algorithm Version”)	1	M		
7	>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, “Algorithm Manufacturer”)	1	M		
8	>	CONTAINS	INCLUDE	DTID (3214) Analyzed Segment	1-n	M		

Content Item Descriptions

Row 5	Identifies the Arterial Analysis program
Row 6	Identifies the Arterial Analysis program version
Row 7	Identifies the Arterial Analysis program manufacturer

TID 3214 Analyzed Segment Template

The Analyzed Segment Template consists of a CONTAINER providing quantitative arterial analysis measurements derived from the angiographic images.

TID 3214
ANALYZED SEGMENT
Type: Extensible

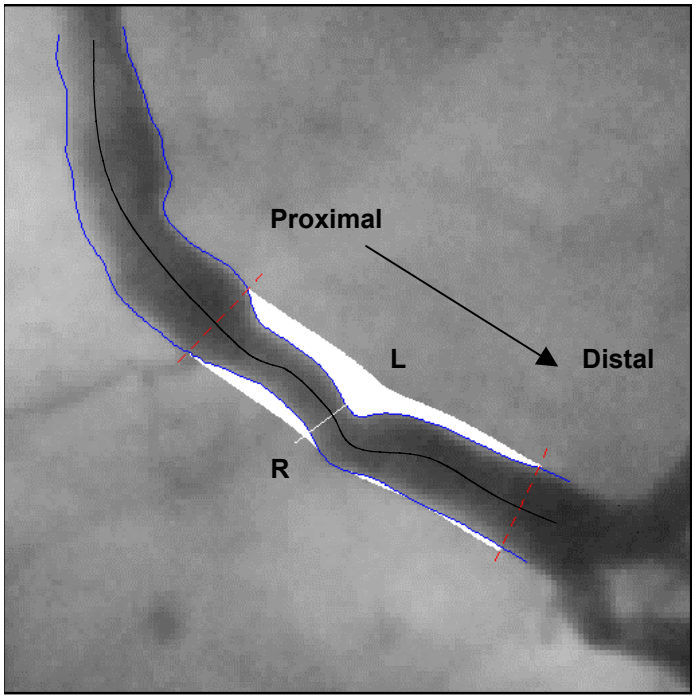
	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3604) Arterial lesion locations
3	>	CONTAINS	IMAGE	EV (121112, DCM, “Source of Measurements”)	1	M		
4	>	CONTAINS	INCLUDE	DTID (3205) Calibration	1	M		
5	>	HAS ACQ CONTEXT	INCLUDE	DTID (3520) Hemodynamic Clinical Context	1	U		
6	>	HAS ACQ CONTEXT	CODE	EV (G-72BB, SRT, “Catheterization Procedure Phase”)	1	U		DCID (3651) Hemodynamic Measurement phase
7	>	CONTAINS	SCOORD	EV (122507, DCM, “Left Contour”)	1	M		GRAPHIC TYPE = POLYLINE
8	>>	R-SELECTED FROM	IMAGE		1	M		Must reference Row 3
9	>	CONTAINS	SCOORD	EV (122508, DCM, “Right Contour”)	1	M		GRAPHIC TYPE = POLYLINE
10	>>	R-SELECTED FROM	IMAGE		1	M		Must reference Row 3
11	>	CONTAINS	INCLUDE	DTID (3219) Segment Values	1	M		
12	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation = (R-404FB, SRT, “Minimum”) $Unit = DT (mm, UCUM, “mm”)
13	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation =(G-A437, SRT, “Maximum”) $Unit = DT (mm, UCUM, “mm”)
14	>	CONTAINS	CONTAINER	EV (122509, DCM, “Diameter	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				Graph")				
15	>>	CONTAINS	NUM	EV (122511, DCM, "Graph Increment")	1	M		Value = 1 Units = DT ({pixels}, UCUM, "pixels")
16	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = EV (G-0364, SRT, "Vessel Luminal Diameter") $Unit = DT (mm, UCUM, "mm")
17	>	CONTAINS	NUM	EV (122382, DCM, "Site of Luminal Minimum ")	1	U		Units = DT ({pixels}, UCUM, "pixels")
18	>	CONTAINS	NUM	EV (122516, DCM, "Site of Luminal Maximum")	1	U		Units = DT ({pixels}, UCUM, "pixels")
19	>	CONTAINS	INCLUDE	DTID (3215) Angiographic Lesion Analysis	1-n	U		
20	>	CONTAINS	INCLUDE	DTID (3217) Sub-Segmental Data	1-n	U		
21	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 1	Observation DateTime (0040,A032) of container needs to be flagged with the time of the analysis
Row 6	Numeric coordinates (x,y) identifying the contour points from proximal to distal of left contour. Left is relative to the direction of the blood flow.
Row 9	Numeric coordinates (x,y) identifying the contour points from proximal to distal of right contour. Right is relative to the direction of the blood flow.
Row 12,13	Positions are relative to the midpoint between the first left and right contour points and measured along the midline between the left and right contour.
Row 14	The X-axis represents the pixel points of the midline of the vessel from proximal to distal. The points on the midline are not necessarily equidistant.
Row 16	For each point of the midline of the vessel a measurement value for the diameter is calculated.
Row 17,18	The positions in the graph are related to the points on the midline of the vessel.
Row 21	Secondary Capture image with Arterial Analysis contour.

Definition of Left and Right defined by the direction of the blood flow:



TID 3215 Angiographic Lesion Analysis Template

The Angiographic Lesion Analysis Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

TID 3215
ANGIOGRAPHIC LESION ANALYSIS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (F-00585, SRT, “Lesion Finding”)	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, “Lesion Identifier”)	1	M		
3	>>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3604) Arterial lesion locations
4	>>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier”)	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation =(R-404FB, SRT, “Minimum”) $Unit = DT (mm, UCUM, “mm”)
6	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”) $Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods $Derivation =(R-404FB, SRT, “Minimum”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$Unit = DT (mm2, UCUM, “mm^2”)
7	>	CONTAINS	CODE	EV (122430, DCM, “Reference Method”)	1	M		DCID (3465) QA Reference Method
8	>	CONTAINS	CONTAINER	EV (122438, DCM, “Reference Points”)	1	U		
9	>>	CONTAINS	NUM	EV (122337, DCM, “Relative Position”)	1-n	M		$Unit = DT (mm, UCUM, “mm”)
10	>>>	HAS PROPERTIES	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Unit = DT (mm, UCUM, “mm”)
11	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $TargetSite = (122382, DCM, ”Site of Luminal Minimum”) $Unit = DT (mm, UCUM, “mm”)
12	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”) $Derivation = EV (122404, DCM, “Reconstructed”) $TargetSite = (122382, DCM, ”Site of Luminal Minimum”) $Unit = DT (mm2, UCUM, “mm^2”)
13	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation = EV (R-41D2D, SRT, “Calculated”) $TargetSite =EV (122481, DCM, “Contour Start”) $Unit = DT (mm, UCUM, “mm”)
14	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation = EV (R-41D2D, SRT, “Calculated”) $TargetSite = EV (122482, DCM, “Contour End”) $Unit = DT (mm, UCUM, “mm”)
15	>	CONTAINS	INCLUDE	DTID (3218) Position in Arterial Segment	1	M		
16	>	CONTAINS	CONTAINER	EV (122517, DCM, “Densitometric Luminal Cross-sectional Area Graph”)	1	U		
17	>>	CONTAINS	NUM	EV (122511, DCM, “Graph Increment”)	1	M		Value = 1 Units = DT ({pixels}, UCUM, “pixels”)
18	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = EV (G-0366, SRT, ”Vessel Lumen Cross-Sectional Area”) $Unit = (mm2, UCUM, “mm^2”)
19	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”) $Derivation = EV (R-41D2D, SRT, “Calculated”) $Method = EV(122474, DCM, “Densitometric method”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$TargetSite =EV (122481, DCM, “Contour Start”) $Unit = (mm2, UCUM, “mm^2”)
20	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”) $Derivation = EV (R-41D2D, SRT, “Calculated”) $Method = EV(122474, DCM, “Densitometric method”) $TargetSite = EV (122482, DCM, “Contour End”) $Unit = (mm2, UCUM, “mm^2”)
21	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (R-101BC, SRT, “Lesion Length”) $Unit = DT (mm, UCUM, “mm”)
22	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (R-101BB, SRT, “Lumen Diameter Stenosis”) $Unit = DT (%, UCUM, “%”)
23	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = EV (R-101BA, SRT, “Lumen Area Stenosis”) $Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods $Unit = DT (%, UCUM, “%”)
24	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = EV (122372, DCM, “Lumen Volume”) $Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods $Unit = DT (mm3, UCUM, “mm^3”)
25	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122542, DCM, “Plaque Area”) $Unit = DT (mm2, UCUM, “mm^2”)
26	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122376, DCM, “Total Plaque Volume”) $Unit = DT (mm3, UCUM, “mm^3”)
27	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122544, DCM, “Diameter Symmetry”) $Unit = DT ({ratio}, UCUM, “ratio”)
28	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122545, DCM, “Area Symmetry”) $Unit = DT ({ratio}, UCUM, “ratio”)
29	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122546, DCM, “Inflow Angle”) $Unit = DT (deg, UCUM, “degrees”)
30	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122547, DCM, “Outflow Angle”) $Unit = DT (deg, UCUM, “degrees”)
31	>	CONTAINS	INCLUDE	DTID (3216) Stenotic Flow Reserve	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
32	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 8	Set of user defined reference position for method that requires local reference position.
Row 9	Distance of local reference position from an arbitrary landmark.
Row 10	Diameter at a local reference position.
Row 11	The reference diameter for the arterial lesion calculated with the applicable reference method
Row 12	The reference area for the arterial lesion calculated with the applicable reference method
Row 13	The diameter measurement at the start of the reconstruction line in the diameter graph (TID 3214 Row 13)
Row 14	The diameter measurement at the end of the reconstruction line in the diameter graph (TID 3214 Row 13)
Row 15	The positions of the lesion, borders of the lesion, etc.
Row 16	The graph with the calculated cross sectional area results based on the densitometric method
Row 18	The cross sectional area measurements calculated based on the densitometric method
Row 19	The cross sectional area measurement at the start of the reconstruction line in the area graph
R0w 20	The cross sectional area measurement at the end of the reconstruction line in the area graph
Row 21	Measured along the midline of the left and right contour
Row 22	The diameter stenosis is calculated as follows: (Reference Luminal Diameter – Minimum Luminal Diameter / Reference Luminal Diameter) * 100%
Row 23	The circular and the densitometric area stenosis are calculated respectively as: (Reference Vessel Lumen Cross-Sectional Area – Minimum Luminal Circular Area / Reference Vessel Lumen Cross-Sectional Area) * 100% (Reference Vessel Lumen Cross-Sectional Area – Minimum Luminal Densitometric Area / Reference Vessel Lumen Cross-Sectional Area) * 100%
Row 24	Estimated lumen volume between proximal border and distal border of lesion (TID 3218, row 1 and 2)
Row 32	Secondary Capture image with obstruction analysis contour

TID 3216 Stenotic Flow Reserve Template

The Stenotic Flow Reserve Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

TID 3216
STENOTIC FLOW RESERVE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122548, DCM, “Stenotic Flow Reserve”) $Unit = DT ({ratio}, UCUM, “ratio”)
2		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122549, DCM, “Poiseuille Resistance”) $Unit = DT (mm[Hg]s/cm, UCUM, “mmHGs/cm”)
3		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122550, DCM, “Turbulence Resistance”) $Unit = DT (mm[Hg]s2/cm2, UCUM, “mmHGs^2/cm^2”)
4		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122555, DCM, “Estimated Normal Flow”) $Unit = DT (ml/s, UCUM, “ml/s”)
5		CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (122551,

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								DCM, “Pressure Drop at SFR”) $Unit = DT (mm[Hg], UCUM, “mmHg”)
6		CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 6	Secondary Capture image with SFR analysis contour

TID 3217 Sub-segmental Data Template

The Sub-segmental Data Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for a sub-segment in a total analyzed segment.

TID 3217
SUB-SEGMENTAL DATA
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3604) Arterial lesion locations
3	>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier”)	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
4	>	CONTAINS	CODE	EV (122554, DCM, “Segmentation Method”)	1	M		DCID (3456) Sub-segment Methods
5	>	CONTAINS	INCLUDE	DTID (3219) Segment Values	1	U		
6	>	CONTAINS	INCLUDE	DTID (3218) Position in Arterial Segment	1	M		
7	>	CONTAINS	IMAGE	No purpose of reference	1	U		

Content Item Descriptions

Row 7	Secondary Capture image with obstruction analysis contour

TID 3218 Position in Arterial Segment

The Position in Arterial Segment Template consists of the position content items common for the Angiographic Lesion Analysis and Sub-Segmental Data.

TID 3218
POSITION IN ARTERIAL SEGMENT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122528, DCM, “Position of Proximal Border”) $Unit = DT (mm, UCUM, “mm”)
2		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122529, DCM, “Position of Distal Border”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$Unit = DT (mm, UCUM, “mm”)
3		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122382, DCM, “Site of Luminal Minimum”) $Unit = DT (mm, UCUM, “mm”)
4		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122516, DCM, “Site of Luminal Maximum”) $Unit = DT (mm, UCUM, “mm”)
5		CONTAINS	NUM	EV (122528, DCM, “Position of Proximal Border”)	1	UC	IFF TID 3214 Row 13 is present	Units = DT ({pixels}, UCUM, “pixels”)
6		CONTAINS	NUM	EV (122529, DCM, “Position of Distal Border”)	1	UC	IFF TID 3214 Row 13 is present	Units = DT ({pixels}, UCUM, “pixels”)
7		CONTAINS	NUM	EV (122382, DCM, “Site of Luminal Minimum”)	1	UC	IFF TID 3214 Row 13 is present	Units = DT ({pixels}, UCUM, “pixels”)
8		CONTAINS	NUM	EV (122516, DCM, “Site of Luminal Maximum”)	1	UC	IFF TID 3214 Row 13 is present	Units = DT ({pixels}, UCUM, “pixels”)

Content Item Descriptions

Row 1,2,3,4	Positions are relative to the midpoint of the first left and right contour points and measured along the midline of the left and right contour
Row 5,6,7,8	The positions are relative to the measurement locations of the Diameter Graph of TID 3214 row 13.

TID 3219 Segment Values Template

The Segment Values Template consists of content items providing quantitative arterial analysis measurements for a total analyzed segment or sub segment.

TID 3219
SEGMENT VALUES
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (122510, DCM, “Length Luminal Segment”) $Unit = DT (mm, UCUM, “mm”)
2		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation = (R-404FB, SRT, “Minimum”) $Unit = DT (mm, UCUM, “mm”)
3		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation =(G-A437, SRT, “Maximum”) $Unit = DT (mm, UCUM, “mm”)
4		CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”) $Derivation = (R-00317, SRT, “Mean”) $Unit = DT (mm, UCUM, “mm”)
5		CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-0364,

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								SRT, “Vessel Luminal Diameter”) $Derivation = (R-10047, SRT, “Standard Deviation”) $Unit = DT (mm, UCUM, “mm”)

Content Item Descriptions

Row 1	Measured along the midline of the left and right contour.

IVUS REPORT TEMPLATES

The templates that comprise the IVUS Report within the Evidence Report IOD are interconnected as shown in Figure A-5.

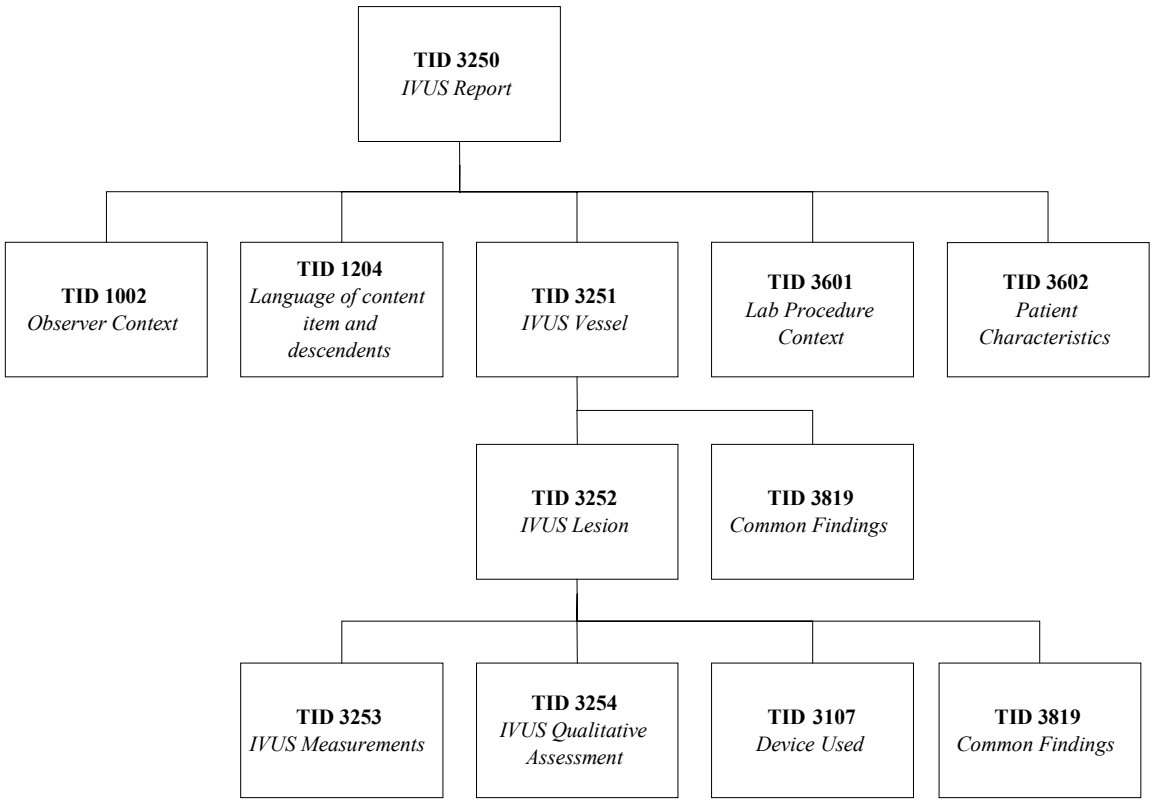


Figure A-5 IVUS Report Template Hierarchy

TID 3250 IVUS Report

The IVUS Report template is the root structure for the representation of IVUS measurements acquired during a catheterization procedure.

TID 3250
IVUS Report
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122325, DCM, “IVUS Report”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (1204) Language of content item and descendents	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	U		
4	>	HAS OBS CONTEXT	INCLUDE	DTID (3601) Lab Procedure Context	1	U		
5	>	HAS ACQ CONTEXT	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	U		
6	>	CONTAINS	CONTAINER	EV (111028, DCM, “Image Library”)	1	U		
7	>>	CONTAINS	IMAGE	No purpose of reference	1-n	U		
8	>	CONTAINS	INCLUDE	DTID (3251) IVUS Vessel	1-n	M		

TID 3251 IVUS Vessel

The IVUS Vessel template provides a structure for grouping one or more lesions analyzed and/or treated during a single phase of a catheterization procedure, according to vessel (or arterial location).

TID 3251
IVUS Vessel
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	U		DCID (3604) Arterial Locations
3	>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier”)	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
4	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality")	1	UC	IFF anatomy has laterality	DCID (244) Laterality
5	>	HAS ACQ CONTEXT	CODE	EV (G-72BB, SRT, “Catheterization Procedure Phase”)	1	U		DCID (3480) IVUS Procedure Phases
6	>	CONTAINS	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		CID (3712) Vessel Descriptors
7	>	CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	U		
8	>	CONTAINS	CODE	EV (115, NCDR [2.0b], "Dissection in segment")	1	U		DCID (230) Yes-No
9	>	CONTAINS	INCLUDE	DTID (3252) IVUS Lesion	1-n	U		

TID 3252 IVUS Lesion

The IVUS Lesion template provides a structure for grouping measurements and observations made on a single lesion during an Intravascular Ultrasound Procedure.

TID 3252
IVUS Lesion
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (F-00585, SRT, “Lesion Finding”)	1	M		
2	>	HAS OBS CONTEXT	TEXT	EV (121151, DCM, “Lesion Identifier")	1	M		Up to 3 numeric characters
3	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1-n	U		DCID (3604) Arterial lesion locations
4	>>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier")	1	U		DCID (3019) Cardio-vascular Anatomic Location Modifiers
5	>	HAS ACQ CONTEXT	INCLUDE	DTID (3107) Device Used	1-n	U		
6	>	CONTAINS	INCLUDE	DTID (3253) IVUS Measurements	1	MC	One or both of rows 6 & 7 must be present	
7	>	CONTAINS	INCLUDE	DTID (3254) IVUS Qualitative Assessment	1	MC	One or both of rows 6 & 7 must be present	
8	>	CONTAINS	INCLUDE	DTID(3819) Common Findings	1-n	U		

Content Item Descriptions

Row 2 Lesion Identifier is specified as a numeric text string in order to facilitate trans-coding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™.

Note: Also see TID 3105.

Row 3 - Finding site may span multiple segments with the proximal and distal extent specified by separate items. These may not be totally contained with the segment specified at the Vessel level.

TID 3253 IVUS Measurements

The IVUS measurements template groups together simple distance, area and angle measurements, along with derived measurements that made during an IVUS procedure. Refer to the “*ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS)”* for more information.

TID 3253
IVUS Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3481) IVUS Distance Measurements $Units = EV (mm, UCUM, "mm")

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$Derivation = DCID (3488) Min/Max/Mean $TargetSite = BCID (3486) Vascular Measurement Sites
2			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3482) IVUS Area Measurements $Units = EV (mm2, UCUM, "mm2") $Derivation = DCID (3488) Min/Max/Mean $TargetSite = BCID (3486) Vascular Measurement Sites
3			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3483) IVUS Longitudinal Measurements $Units = EV (mm, UCUM, "mm")
4			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = EV (122355, DCM, "Arc of Calcium") $Units = EV (deg, UCUM,"degrees") $TargetSite = BCID (3486) Vascular Measurement Sites
5			INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (R-101BA, SRT, "Lumen Area Stenosis") $Units = EV (%, UCUM, "%")
6			INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122354, DCM, "Plaque Burden") $Units = EV (%, UCUM, "%") $TargetSite = BCID (3486) Vascular Measurement Sites
7			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3484) IVUS Indices and Ratios $Units = EV (1, UCUM, "ratio") $TargetSite = BCID (3486) Vascular Measurement Sites
8			INCLUDE	TID (3255) IVUS Volume Measurement	1-n	U		
9			INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122339, DCM, "Stent Volume Obstruction") $Units = EV (%, UCUM, "%")

TID 3254 IVUS Qualitative Assessments

The IVUS Qualitative Assessments template groups together the qualitative properties of a lesion that are observed during an IVUS procedure. Refer to the “ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS)” for more information.

TID 3254
IVUS Qualitative Assessments
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (122133, DCM, "Lesion Morphology")	1-n	U		DCID (3491) IVUS Lesion Morphologies
2			CODE	EV (121071, DCM, “Finding”)	1-n	U		DCID (3494) IVUS Non Morphological Findings

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>		INCLUDE	DTID (1350) “Negation Modifier, Presence of Finding”	1	U		
4			CODE	EV (121071, DCM, “Finding”)	1	U		EV (D3-81310, SRT, "Arterial Dissection")
5	>	HAS CONCEPT MOD	CODE	EV (122387, DCM, "Dissection Classification")	1	U		DCID (3492) Vascular Dissection Classifications
6	>		INCLUDE	DTID (1350) “Negation Modifier, Presence of Finding”	1	U		
7			CODE	EV (122391, DCM, "Relative Stenosis Severity")	1	U		DCID (3493) IVUS Relative Stenosis Severities
8			CODE	EV (108, NCDR [2.0b], "Previously Dilated Lesion ")	1	U		DCID (3750) Previously Dilated Lesion
9			CODE	EV (121071, DCM, “Finding”)	1	U		EV (122393, DCM, "Restenotic Lesion")
10	>		INCLUDE	DTID (1350) “Negation Modifier, Presence of Finding”	1	U		
11			CODE	EV (111009, “Calcification Type”)	1	U		DCID (3489) Calcium Distribution

TID 3255 IVUS Volume Measurement

The IVUS Volume Measurement Template contains information describing an IVUS Volumetric measurement

TID 3255
IVUS Volume Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	TID (300) Measurement	1	M		$Measurement = DCID (3485) IVUS Volume Measurements $Units = EV (mm3, UCUM, "mm3") $TargetSite = BCID (3487) IVUS Volumetric Regions
2	>	HAS PROPERTIES	NUM	EV (122336, DCM, “Vascular Volume measurement length”)	1	U		$Unit = DT (mm, UCUM, “mm”)
3	>	HAS PROPERTIES	NUM	EV (122337, DCM, “Relative position”)	1	U		$Unit = DT (mm, UCUM, “mm”)
4	>>	HAS CONCEPT MOD	CODE	EV (122340, DCM, "Fiducial feature”)	1	M		DCID (3496) IVUS Fiducial Points

STRESS TESTING REPORT TEMPLATES

TID 3300 Stress Testing Report

The Stress Testing Report template is the root structure for the representation of measurements and findings of a stress testing procedure.

TID 3300
Stress Testing Report
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (18752-6, LN, “Stress Testing Report”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DCID (3200) Stress Procedure Type
3	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	M		
5	>	CONTAINS	CONTAINER	EV (121109, DCM, "Indications for Procedure")	1	U		
6	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3201) Indications for Stress Test
7	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
8	>	CONTAINS	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	M		
9	>	CONTAINS	INCLUDE	DTID (3802) Cardiovascular Patient History	1	U		
10	>	CONTAINS	INCLUDE	DTID (3301) Stress Test Procedure Description	1	M		
11	>	CONTAINS	INCLUDE	DTID (3303) Stress Test Phase Data	1-n	M		
12	>	CONTAINS	INCLUDE	DTID (3311) Stress Test Summary	1	U		
13	>	CONTAINS	INCLUDE	DTID (3318) Comparison to Prior Stress Exam	1	U		
14	>	CONTAINS	INCLUDE	DTID (3320) Conclusions and Recommendations	1	U		

TID 3301 Stress Test Procedure Description

TID 3301
Stress Test Procedure Description
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121064, DCM, “Current Procedure Descriptions”)		M		
2	>	CONTAINS	CODE	DT (109056, DCM, ”Stress Protocol”)	1	U		BCID (3261) Stress Protocols
3	>	CONTAINS	TEXT	DT (109056, DCM, ”Stress Protocol”)	1	U		

4	>	CONTAINS	CODE	DT (10:11345, MDC, “Lead System”)	1	U		BCID (3263) Electrode Placement Values
5	>	CONTAINS	CODE	DT (A-17200, SRT, “Exerciser Device”)	1	U		BCID (3203) Exerciser Device
6	>	CONTAINS	CODE	DT (G-C11C, SRT, “Pharmacological Stress Agent”)	1	MC	IFF Pharmacological Stress used	BCID (3204) Stress Agents
7	>	CONTAINS	CONTAINER	EV (122700, DCM, "Indications for Pharmacological Stress")	1	MC	IFF Pharmacological Stress used	
8	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3205) Indications for Pharmacological Stress Test
9	>	CONTAINS	CODE	DT (P0-0099A, SRT, “Imaging procedure”)	1	MC	IFF imaging used in procedure	DCID (3206) Non-invasive Cardiac Imaging Procedures
10	>	CONTAINS	CODE	DT (125203, DCM, ”Acquisition Protocol”)	1	UC	IFF Nuclear imaging	DCID (3110) Nuclear Cardiology Protocols
11	>	CONTAINS	CODE	DT (125203, DCM, ”Acquisition Protocol”)	1	UC	IFF PET imaging	DCID (3106) PET Cardiology Protocols
12	>	CONTAINS	TEXT	DT (121141, DCM, ”Image Type”)	1	UC	IFF Nuclear or PET imaging	STATIC, DYNAMIC, or GATED. See note.
13	>	CONTAINS	CODE	DT (125203, DCM, ”Acquisition Protocol”)	1	UC	IFF Contrast echocardiography	DT(P5-B3008, SRT, “Contrast echocardiography”)
14	>	CONTAINS	CODE	DT (113743, DCM, “Patient Orientation”)	1	U		DCID (19) Patient Orientation
15	>>	HAS CONCEPT MOD	CODE	EV (113744, DCM, “Patient Orientation Modifier”)	1	U		DCID (20) Patient Orientation Modifier
16	>	CONTAINS	TEXT	DT (121065, DCM, “Procedure Description”)	1	U		
17	>	CONTAINS	DATETIME	DT (122701, DCM, “Procedure Time Base”)	1	U		See note.

TID 3301 Stress Test Procedure Descriptions

Row 12	Image Type may be copied from the NM Image SOP Instance attribute Image Type (0008,0008) value 3, or from the PET Image SOP Instance attribute Series Type (0054,1000).
Row 17	The Procedure Time Base is the time from which elapsed times are measured. The Study Time (0008,0030) may include the patient prep period, while this Procedure Time Base is typically established when baseline data collection begins.

TID 3303 Stress Test Phase Data

The Stress Test Phase Data template provides a structure for measurements acquired during a single procedure phase.

TID 3303
Stress Test Phase Data
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		See note.
2	>	HAS ACQ CONTEXT	CODE	EV (G-7292, SRT, “Procedure phase”)	1	MC	XOR row 3	BCID (3207) Stress Test Procedure Phases
3	>	HAS ACQ CONTEXT	CODE	EV (G-7292, SRT, “Procedure phase”)	1	MC	IFF Nuclear Imaging; XOR row 2	DCID (3101) NM Procedural State Values
4	>	HAS ACQ CONTEXT	TEXT	EV (G-7292, SRT, “Procedure phase”)	1	U		
5	>	CONTAINS	INCLUDE	DTID (3301) Stress Test Procedure	1	MC	IFF protocol changed from initial specification	
6	>	HAS ACQ CONTEXT	NUM	EV (109055, DCM, “Protocol Stage”)	1	U		UNITS = DT(“{stage}”, UCUM, “stage”)
7	>	CONTAINS	INCLUDE	DTID (3304) Stress Test Measurement Group	1-n	U		
8	>	CONTAINS	INCLUDE	DTID (3307) NM/PET Perfusion Measurement Group	1	MC	IFF Nuclear or PET Imaging	
9	>	CONTAINS	INCLUDE	DTID (3309) Stress Echo Measurement Group	1	UC	IFF Echocardiography Imaging	

TID 3303 Stress Test Phase Data Descriptions

Row 1	The Container shall have a specific Content Item Observation Datetime (0040,A032) attribute to indicate the time at which the phase began.

TID 3304 Stress Test Measurement Group

Each instance of the Stress Test Measurement Group represents a group of data elements acquired at approximately the same instant, and conventionally rendered as row in a tabular presentation. It is typically generated during the Stress exam whenever a time interval elapses (for example, every minute of the phase), when a technician observes data worth capturing, or when measurements exceed a given range.

TID 3304
Stress Test Measurement Group
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		See note.
2	>	CONTAINS	NUM	DT(F-031F9, SRT, “Time since start of exam”)	1	M		UNITS = DT(min, UCUM, “min”)
3	>	CONTAINS	NUM	DT (122710, DCM, “Time since start of stage”)	1	M		UNITS = DT(min, UCUM, “min”)
4	>	CONTAINS	NUM	DT (122702, DCM, “Treadmill speed”)	1	U		UNITS = DCID (3212) Treadmill Speed

5	>	CONTAINS	NUM	DT (122703, DCM, “Treadmill gradient”)	1	U		UNITS = EV (%, UCUM, "%")
6	>	CONTAINS	NUM	DT (122704, DCM, “Ergometer power”)	1	U		UNITS = EV (W, UCUM, "watts")
7	>	CONTAINS	NUM	DT (122709, DCM, ”Activity workload”)	1	U		UNITS = DT ([MET], UCUM, "METS")
8	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = DT(122706, DCM, “Rating of Perceived Exertion”) $Method = BCID (3239) Perceived Exertion Scales
9	>	CONTAINS	NUM	DT (122705, DCM, “Pharmacological Stress Agent Dose Rate”)	1	MC	IFF Pharma-cological Stress used	UNITS = EV (ug/kg/min, UCUM, "ug/kg/min”)
10	>	CONTAINS	INCLUDE	DCID (3106) Drugs/Contrast Administered	1	U		See note.
11	>	CONTAINS	NUM	EV (8867-4, LN, “Heart Rate”)	1	U		UNITS = EV ("{H.B.}/min", UCUM, "BPM")
12	>	CONTAINS	NUM	EV (F-008EC, SRT, “Systolic Blood Pressure”)	1	U		UNITS = DCID (3500) Pressure Units
13	>	CONTAINS	NUM	EV (F-008ED, SRT, “Diastolic Blood Pressure”)	1	U		UNITS = DCID (3500) Pressure Units
14	>	CONTAINS	NUM	DT (122707, DCM, “Number of Ectopic Beats”)	1	U		UNITS = ({beats}, UCUM, “beats”)
15	>>	HAS CONCEPT MOD	NUM	DT (R-40861, SRT, "Period of collection")	1	M		UNITS = DT(min, UCUM, “min”)
16	>>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1-n	U		BCID (3234) Ectopic Beat Morphology
17	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DT(F-03204, SRT, “ST Elevation”) $Units = DT (mV, UCUM, “mV”) $TargetSite = DCID (3001) ECG Leads
18	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DT(F-38279, SRT, “ST Depression”) $Units = DT (mV, UCUM, “mV”) $TargetSite = DCID (3001) ECG Leads
19	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (3228) ECG Timing Measurements $Units = DT (ms, UCUM, "ms") $TargetSite = DCID (3001) ECG Leads See note.
20	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (3227) QTc Measurements $Units = DT (ms, UCUM, "ms") $TargetSite = DCID (3001) ECG Leads $Equation = DCID (3678) QT Correction Algorithms See note.
21	>>	INFERRED FROM	NUM	DT (2:16000, MDC, “RR Interval for QTc”)	1	U		UNITS = DT (ms, UCUM, "ms") See note.

22	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (3229) ECG Axis Measurements $Units = DT(deg, UCUM, "°") See note.
23	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement =DCID (3526) Blood gas saturation $Units = EV (%, UCUM, "%")
24	>	CONTAINS	NUM	DT (122708, DCM, ”Double Product”)	1	U		UNITS = DT (mm[Hg]{HB}/min, UCUM, "mmHg*BPM")
25	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3220) Stress Symptoms
26	>	CONTAINS	CODE	EV (F-00033, SRT, "ECG Finding")	1-n	U		DCID (3230) ECG Findings
27	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		

TID 3304 Stress Test Measurement Group Descriptions

Row 1	The Container shall have a specific Content Item Observation Datetime (0040,A032) attribute to indicate the time at which the measurements were made.
Row 10	Included Template 3106 allows the recording of test medications other than the Pharmacological Stress Agent identified in Template x3301.
Rows 17, 18	ECG ST elevation/depression is measured in units of mV, but is conventionally reported in units of mm, based on strip recordings with scaling of 100 uV/mm. The display application should render these measurements in units meaningful to the user.
Row 19	Note that the MDC codes for “per lead” measurements specified in CID 3228 are base codes for post-coordination with lead identifiers conveyed in the Target Site modifier in TID 300. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in this row.
Row 20	Note that the MDC code for “QTc interval per lead” specified in CID 3227 is a base code for post-coordination with lead identifiers conveyed in the Target Site modifier in TID 300. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in this row. Note that TID 300 enables the encoding of a non-standard correction algorithm, either as a local code, or as a TEXT Method Citation (see TID 300 row 12).
Row 21	R-R interval used for QT correction algorithm
Row 22	Recommended range for ECG axis measurements is -90° to +270°

TID 3307 NM/PET Perfusion Measurement Group

TID 3307
NM/PET Perfusion Measurement Group
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DCID (3108) NM/PET Procedures

3	>	CONTAINS	CODE	EV (123001, DCM, “Radiopharmaceutical”)	1	M		DCID (3111) Nuclear Cardiology Radiopharmaceuticals
4	>	CONTAINS	NUM	EV (123006, DCM, “Radionuclide Total Dose”)	1	M		DCID (3083) Units of Radioactivity
5	>	CONTAINS	DATETIME	EV (123003, DCM, “Radiopharmaceutical Start Time”)	1	M		
6	>	CONTAINS	NUM	DT (122711, DCM, “Exercise duration after stress agent injection”)	1	U		UNITS = DT(min, UCUM, “min”)
7	>	CONTAINS	DATETIME	EV (122712, DCM, “Imaging Start Time”)	1	M		
8	>	CONTAINS	CODE	EV (122713, DCM, “Attenuation correction”)	1	U		BCID (3112) Attenuation Correction
9	>>	HAS PROPERTIES	CODE	EV (111001, DCM, “Algorithm Name”)	1	U		BCID (3117) Attenuation Correction Methods
10	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		BCID (3113) Types of Perfusion Defects
11	>>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		BCID (3717) Myocardial Wall Segments
12	>>	HAS PROPERTIES	CODE	EV (112025, DCM, “Size Descriptor”)	1	M		BCID (252) S-M-L Size Descriptor
13	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	M		BCID (3716) Severity
14	>	CONTAINS	CODE	EV (F-02220, SRT, “Left Ventricular Function”)	1	U		BCID (3119) LV Function
15	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		BCID (3716) Severity
16	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%") $Derivation = DT (R-41D2D, SRT, “Calculated”)
17	>	CONTAINS	CODE	EV (F-02236, SRT, “Left Ventricular Size”)	1	U		BCID (3122) Ventricular enlargement
18	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (8821-1, LN, "Left Ventricular ED Volume") $Units = EV (ml, UCUM, "ml")
19	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (8823-7, LN, "Left Ventricular ES Volume") $Units = EV (ml, UCUM, "ml")
20	>	CONTAINS	INCLUDE	DTID (5204) Wall Motion Analysis	1	U		$Procedure = DCID (3108) NM/PET Procedures

TID 3309 Stress Echo Measurement Group

TID 3309
Stress Echo Measurement Group
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		

2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (P5- B3000, SRT, “Echocardiography”)
3	>	CONTAINS	INCLUDE	DTID (5203) Echo Measurement	1-n	U		$Measurement = DCID (12200) Echocardiography Left Ventricle $Method=CID (12227) Echocardiography Measurement Method
4	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	MC	IF Row 3 measurement concept is in CID (12222) Orifice Flow Properties	EV (T-32600, SRT, “Left Ventricle”)
5	>	CONTAINS	INCLUDE	DTID (5203) Echo Measurement	1-n	U		$Measurement = DCID (12211) Echocardiography Aortic Valve $Method=CID (12227) Echocardiography Measurement Method
6	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	MC	IF Row 5 measurement concept is in CID (12222) Orifice Flow Properties	EV (T-35400, SRT, “Aortic Valve”)
7	>	CONTAINS	INCLUDE	DTID (5203) Echo Measurement	1-n	U		$Measurement = DCID (12207) Echocardiography Mitral Valve $Method=CID (12227) Echocardiography Measurement Method
8	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	MC	IF Row 7 measurement concept is in CID (12222) Orifice Flow Properties	EV (T-35300, SRT, “Mitral Valve”)
9	>	CONTAINS	INCLUDE	DTID (5203) Echo Measurement	1-n	U		$Measurement = DCID (12208) Echocardiography Tricuspid Valve $Method=CID (12227) Echocardiography Measurement Method
10	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	MC	IF Row 9 measurement concept is in CID (12222) Orifice Flow Properties	EV (T-35100, SRT, “Tricuspid Valve”)
11	>	CONTAINS	INCLUDE	DTID (5204) Wall Motion Analysis	1	U		$Procedure = DT (P5-B3121, SRT, "Echocardiography for Determining Ventricular Contraction")

TID 3309 Stress Echo Measurement Group Descriptions

Rows 3-10	These invocations of TID 5203 do not include an inherited Findings Site concept, for example as in the invocations of TID 5203 from TID 5202. Echo measurements that do not have the associated Finding Site pre-coordinated in the measurement concept (i.e., the orifice flow measurements of CID 12222), shall have the Finding Site explicitly post-coordinated with a Concept Modifier (Rows 4, 6, 8, and 10). This template does not include the concept of an Image Library, for example as used in TID 5200. Image Content Items in the Echo Measurement template shall be included with by-value relationships, not with by-reference relationships.

TID 3311 Stress Test Summary

TID 3311
Stress Test Summary
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	INCLUDE	DTID (3312) Physiological Summary	1	U		
4	>	CONTAINS	INCLUDE	DTID (3313) Stress ECG Summary	1	U		
5	>	CONTAINS	INCLUDE	DTID (3317) Stress Imaging Summary	1	U		
6	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (D3-13025, SRT, “Exercise-induced angina”) See note.
7	>>		INCLUDE	DTID (1350) Negation Modifier, Presence of Finding	1	M		
8	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3220) Stress Symptoms
9	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
10	>	CONTAINS	CODE	DT (G-0180, SRT, ”Reason for stopping test”)	1	U		DCID (3221) Stress Test Termination Reasons
11	>	CONTAINS	NUM	DT (122715, DCM, “Pharmacological Stress Agent Dose”)	1	U		DT (mg/kg, UCUM, “mg/kg”)

TID 3311 Stress Test Summary Descriptions

Rows 6-7	These rows allow an explicit finding of presence or absence of exercise-induced angina through the Template 1350 Concept Modifier “Presence of property”

TID 3312 Physiological Summary

TID 3312
Physiological Summary
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DT (40443-4, LN, “Resting Heart Rate”)	1	M		UNITS = DT({H.B.}/min, UCUM, "BPM”)
2			NUM	EV (F-008EC, SRT, “Systolic Blood Pressure”)	1	M		Units = DCID (3500) Pressure Units
3	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, ”Patient State”)	1	M		DT(F-01604, SRT, “Resting State”)
4			NUM	EV (F-008ED, SRT, “Diastolic Blood Pressure”)	1	M		Units = DCID (3500) Pressure Units
5	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, ”Patient State”)	1	M		DT(F-01604, SRT, “Resting State”)

6			NUM	DT (F-04F92, SRT, ”Target HR”)	1	M		UNITS = DT({H.B.}/min, UCUM, "BPM”)
7			NUM	DT (F-04FA6, SRT, ”Maximum HR Achieved”)	1	M		UNITS = DT({H.B.}/min, UCUM, "BPM”)
8			NUM	DT (F-04FA6, SRT, ”Maximum HR Achieved”)	1	M		UNITS = EV (%, UCUM, "%")
9	>	HAS CONCEPT MOD	CODE	EV(121425, DCM, "Index")	1	M		DT (F-04F92, SRT, ”Target HR”)
10			NUM	DT (122716, DCM, ”Maximum Power Output Achieved”)	1	U		UNITS = DT(W, UCUM, "Watts”)
11			NUM	DT (122717, DCM, ”Peak activity workload”)	1	U		UNITS = DT ([MET], UCUM, "METS")
12			CODE	DT (F-04F9F, SRT, ”HR Response”)	1	U		DCID (3210) Speed of Response
13			NUM	DT (F-00E11, SRT, ”Maximum systolic blood pressure”)	1	U		UNITS = DCID (3500) Pressure Units
14			NUM	DT (F-00E21, SRT, ”Maximum diastolic blood pressure”)	1	U		UNITS = DCID (3500) Pressure Units
15			CODE	DT (F-04F74, SRT,”BP Response”)	1	U		DCID (3210) Speed of Response
16			NUM	DT (122718, DCM, ”Peak Double Product”)	1	U		UNITS = DT (mm[Hg]{HB}/min, UCUM, "mmHg*BPM")
17			NUM	DT (F-031F8, SRT, ”Total Exercise duration”)	1	U		UNITS = DT (min, UCUM, "min")
18			NUM	DT (F-031F7, SRT, ”Total test duration”)	1	U		UNITS = DT (min, UCUM, "min")
19			INCLUDE	TID (300) Measurement	1	U		$Measurement = DT (F-04FCC, SRT, ”Functional capacity”) See note.
20			TEXT	DT (F-04FCC, SRT, ”Functional capacity”)	1	U		
21			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = EV(122760, DCM, “Stress test score”) $Method = BCID (3238) Stress Scoring Scales
22			NUM	DT (F-04FCA, SRT, ”Heart rate recovery time”)	1	U		UNITS = DT (s, UCUM, "s")
23			CODE	EV (121071, DCM, "Finding")	1-n	U		BCID (3213) Stress Hemodynamic Findings
24			CODE	EV (F-00F4E, SRT, “Cardiovascular event risk”)	1	U		BCID (3118) Level of Risk

TID 3312 Physiological Summary Descriptions

Row 22	Numerical scoring of a patient’s functional capacity shall include the range of the scoring system in the Units of Measurement (see Section 7.2.2), and may include a coded identifier for the scoring system in the Method concept modifier of Template 300.

TID 3313 Stress ECG Summary

TID 3313
Stress ECG Summary
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (F-00033, SRT, "ECG Finding")	1	U		Device Generated Test Summary
2	>	HAS OBS CONTEXT	CODE	EV (121005, DCM, “Observer Type”)	1	M		EV (121007, DCM, “Device”)
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1004) Device Observer Identifying Attributes	1	M		
4			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = EV (F-03204, SRT, “ST Elevation”) $Units = DT(mV, UCUM, “mV”) $Derivation = (G-A437, SRT, “Maximum”) $TargetSite = DCID (3001) ECG Leads
5			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = EV (F-38279, SRT, “ST Depression”) $Units = DT(mV, UCUM, “mV”) $Derivation = (G-A437, SRT, “Maximum”) $TargetSite = DCID (3001) ECG Leads
6			INCLUDE	TID (300) Measurement	1-n	U		$Measurement = EV (F-38287, SRT, “T wave alternans”) $Units = DT(uV, UCUM, “uV”) $Derivation = (G-A437, SRT, “Maximum”) $TargetSite = DCID (3001) ECG Leads
7			CODE	EV (F-38035, SRT, "ST Segment Finding")	1	U		BCID (3231) ST Segment Findings
8	>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1-n	U		BCID (3232) ST Segment Location
9	>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1	U		BCID (3233) ST Segment Morphology
10			NUM	DT (122707, DCM, “Number of Ectopic Beats”)	1	U		UNITS = ({beats}, UCUM, “beats”)
11	>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1-n	U		BCID (3234) Ectopic Beat Morphology
12			CODE	DT (8884-9, LN, "Cardiac Rhythm")	1-2	U		BCID (3415) Cardiac Rhythms See note.
13	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, ”Patient State”)	1	M		DCID (3102) Rest-Stress
14			CODE	EV (F-00033, SRT, "ECG Finding")	1-n	U		BCID (3230) ECG Findings
15	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, ”Patient State”)	1	U		BCID (3262) ECG Patient State Values

TID 3313 Stress ECG Summary Descriptions

Rows 4-14	Each observation (measurement or finding) may have a specific Content Item Observation Datetime attribute to indicate the time in the procedure at which the observation was made (e.g., time of maximum heart rate, or time of occurrence of an arrhythmia).
Row 12-13	This Concept and the associated Concept Modifier may be instantiated twice, once for resting state measurements, once for stress.

TID 3317 Stress Imaging Summary

TID 3317
Stress Imaging Summary
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DT (122739, DCM, "Overall study quality")	1	M		BCID (3114) Study Quality
2			CODE	DT (113010, DCM, "Quality Issue")	1	U		BCID (3115) Stress Imaging Quality Issues
3			CODE	EV (121071, DCM, "Finding")	1	U		BCID (3116) NM Extracardiac Findings
4			INCLUDE	DTID (300) Measurement	1-2	U		$Measurement = DT(F-04F76, SRT, “Perfusion defect extent”) $ModType = EV (109054, DCM, ”Patient State”) $ModValue = DCID (3102) Rest-Stress $Units = EV (%, UCUM, "%") See note.
5			INCLUDE	DTID (300) Measurement	1	U		$Measurement = DT(F-04FCD, SRT, “Stress ischemia extent”) $Units = EV (%, UCUM, "%")
6			INCLUDE	DTID (300) Measurement	1	U		$Measurement = DT(122762, DCM, “Number of diseased vessel territories”) $Units = EV({territories}, UCUM, “territories”)
7			CODE	EV (121071, DCM, "Finding")	1	U		EV (D3-13040, SRT, “Coronary artery disease”)
8	>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, “Finding Site”)	1-n	M		BCID (3016) Major Coronary Arteries
9			CODE	EV (F-0238D, SRT, “Myocardial perfusion”)	1-2	U		BCID (3120) Perfusion Findings
10	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		BCID (3463) Ventricle Identification
11	>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1	U		BCID (3121) Perfusion Morphology
12			CODE	EV (121071, DCM, "Finding")	1	U		DT(D4-31124, SRT, “Transient cavitary dilatation”)
13	>		INCLUDE	DTID (1350) Negation Modifier, Presence of Finding	1	U		

14			INCLUDE	DTID (300) Measurement	1	U		$Measurement = DT(F-04FB4, SRT, “Transient cavitary dilatation ratio”) $Units = EV({ratio}, UCUM, “ratio”)
15			INCLUDE	TID (300) Measurement	1-2	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $ModType = EV (109054, DCM, ”Patient State”) $ModValue = DCID (3102) Rest-Stress $Units = EV (%, UCUM, "%") See note.

TID 3317 Stress Imaging Summary Descriptions

Row 4	This row may be instantiated twice, once for resting state measurements, once for stress.
Row 15	The LVEF code specified in this row is defined in LOINC with method “imaging”. LVEF measurement by ultrasound may also be encoded elsewhere in the Content Tree (e.g., in TID x3309 Stress Echo Measurement Group) with LOINC code 18043-0, which has method “ultrasound”. It is recommended that such findings from the per-phase measurements be summarized here with the generic “LVEF by Imaging” concept code.

TID 3318 Comparison to Prior Stress Exam

This template describes changes in findings from a prior stress exam. Comparison is to only one prior exam, even though the generic concept name for the template uses the plural “exams”.

TID 3318
Comparison to Prior Stress Exam
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111424, DCM, “Comparison to previous exams”)	1	M		
2	>	CONTAINS	CODE	DT(121058, DCM, “Procedure Reported”)	1	U		DCID (3200) Stress Procedure Type
3	>>	HAS PROPERTIES	DATETIME	EV(122146, DCM, “Procedure Datetime”)	1	U		
4	>>	HAS PROPERTIES	UIDREF	EV (121018, DCM, “Procedure Study Instance UID”)	1	U		
5	>>	HAS PROPERTIES	COMPOSITE	EV (122075, DCM, "Prior report for current patient")	1-n	U		
6	>	CONTAINS	CODE	DT(F-03D1D, SRT, “Exercise tolerance”)	1	U		BCID (3236) Tolerance Comparison Findings
7	>	CONTAINS	CODE	DT(F-0238D, SRT, “Myocardial Perfusion”)	1	U		BCID (3235) Perfusion Comparison Findings
8	>>	HAS CONCEPT MOD	CODE	EV (G-C036, SRT, “Measurement Method")	1-n	U		BCID (3215) Perfusion Finding Method
9	>	CONTAINS	CODE	DT(F-02225, SRT, “LV Wall motion”)	1-n	U		BCID (3237) Wall Motion Comparison Findings

10	>>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	M		DCID (3102) Rest-stress
11	>	CONTAINS	CODE	EV (111424, DCM, "Comparison to previous exams")	1	U		BCID (3217) Comparison Finding
12	>	CONTAINS	NUM	DT(122768, DCM, "Difference in Ejection Fraction")	1	U		UNITS = EV (%, UCUM, "%")
13	>	CONTAINS	NUM	DT(122769, DCM, "Difference in ED LV Volume")	1	U		UNITS = EV (ml, UCUM, "ml")
14	>	CONTAINS	NUM	DT(122769, DCM, "Difference in ED LV Volume")	1	U		UNITS = EV (ml/m2, UCUM, "ml/m2")
15	>>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	M		DT(8277-6, LN, "BSA")

TID 3320 Conclusions and Recommendations

TID 3320
Conclusions and Recommendations
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121076, DCM, "Conclusions")	1	MC	IF Completion Flag (0040,A491) = COMPLETE	
2	>	CONTAINS	TEXT	EV (121077, DCM, "Conclusion")	1	U		
3	>	CONTAINS	CODE	EV (F-00033, SRT, "ECG Finding")	1	M		DCID (3208) Summary Codes Exercise ECG
4	>	CONTAINS	CODE	EV (F-01969, SRT, "Imaging Finding")	1	M		DCID (3209) Summary Codes Stress Imaging
5			CONTAINER	EV (121074, DCM, "Recommendations")	1	U		
6	>	CONTAINS	TEXT	EV (121075, DCM, "Recommendation")	1	U		

HEMODYNAMICS REPORT TEMPLATES

The templates that comprise the Hemodynamic Report are interconnected as shown in Figure A-6.

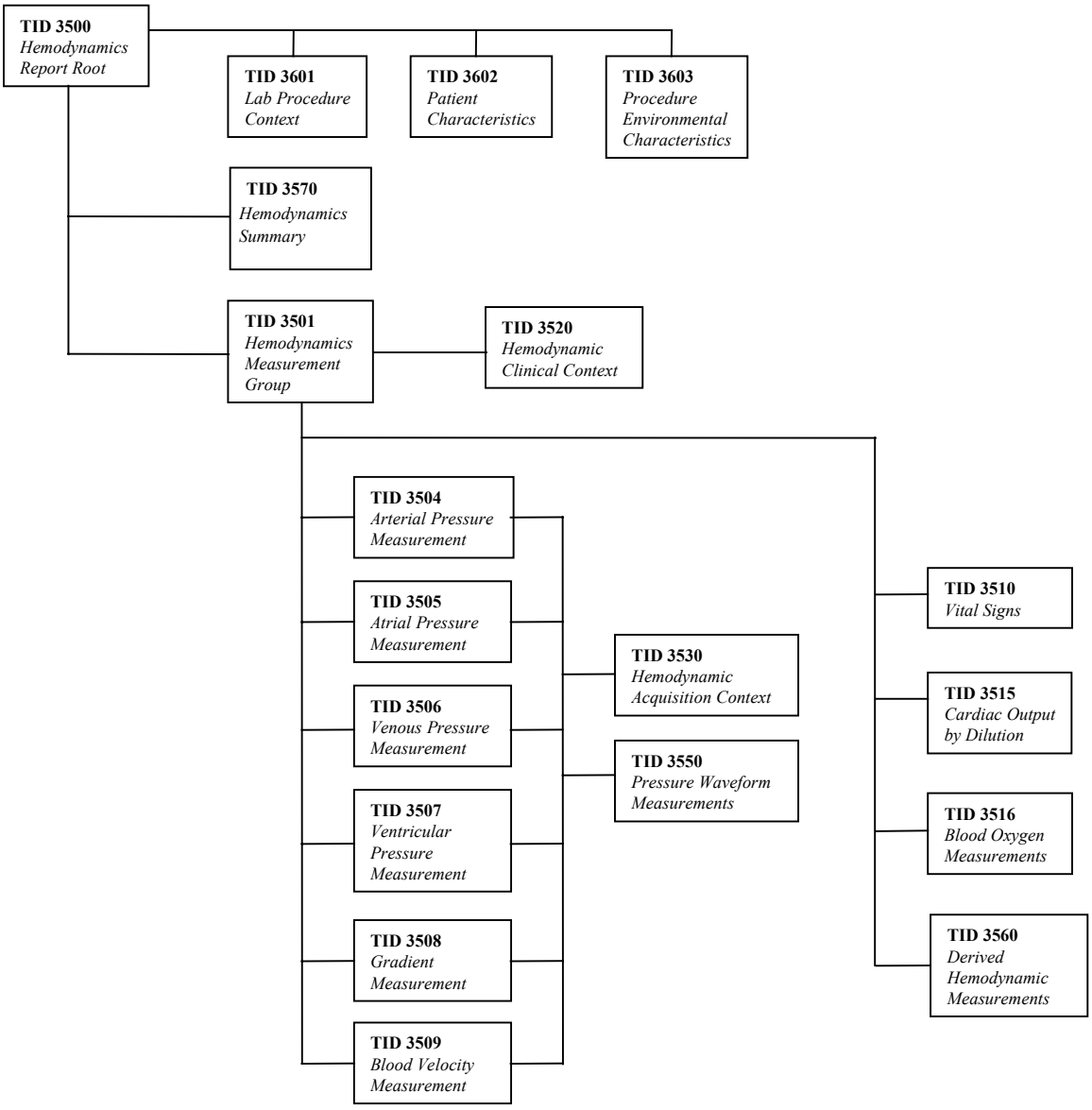


Figure A-6 Hemodynamic Report Template Hierarchy

The figure shows only the use of templates specific to the Hemodynamic Report; it does not show common structural templates such as TID 300.

Note: The figure shows the relationship of templates; it does not show the structural hierarchy of Content Items in the IOD. See PS 3.17.

TID 3500 Hemodynamics Report

The Hemodynamic Report template is the root structure for the representation of measurements acquired during a procedure in a cardiac catheterization lab.

TID 3500
Hemodynamics Report
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122120, DCM, “Hemodynamics Report”)	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	M		
3	>		INCLUDE	DTID (3601) Procedure Context	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	M		
5	>	HAS ACQ CONTEXT	INCLUDE	DTID (3603) Procedure Environmental Characteristics	1	U		
6	>	CONTAINS	INCLUDE	DTID (3501) Hemodynamic Measurement Group	1-n	M		
7	>	CONTAINS	INCLUDE	DTID (3570) "Summary, Hemodynamics"	1	U		

TID 3501 Hemodynamics Measurement Group

The Hemodynamic Measurement Group template provides a structure for measurements acquired during a single procedure phase in a cardiac catheterization lab.

TID 3501
Hemodynamics Measurement Group
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, “Findings”)	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (G-72BB, SRT, “Catheterization Procedure Phase”)	1	M		DCID (3651) Hemodynamic Measurement phase
3	>	HAS ACQ CONTEXT	INCLUDE	DTID (3520) Hemodynamic Clinical Context	1	U		
4	>	HAS ACQ CONTEXT	TEXT	EV (121124, DCM, "Procedure Action ID")	1	U		
5	>	CONTAINS	INCLUDE	DTID (3510) Vital signs	1-n	U		
6	>	CONTAINS	INCLUDE	DTID (3504) Arterial Pressure Measurement	1-n	U		
7	>	CONTAINS	INCLUDE	DTID (3505) Atrial Pressure Measurement	1-n	U		
8	>	CONTAINS	INCLUDE	DTID (3506) Venous Pressure Measurement	1-n	U		
9	>	CONTAINS	INCLUDE	DTID (3507) Ventricular Pressure Measurement	1-n	U		
10	>	CONTAINS	INCLUDE	DTID (3508) Gradient Measurement	1-n	U		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
11	>	CONTAINS	INCLUDE	DTID (3509) Blood Velocity Measurements	1-n	U		
12	>	CONTAINS	INCLUDE	DTID (3515) Cardiac Output Measurement by Indicator Dilution	1-n	U		
13	>	CONTAINS	INCLUDE	DTID (3516) Blood lab measurements	1-n	U		
14	>	CONTAINS	INCLUDE	DTID (3560) Derived Hemodynamic Measurements	1-n	U		
15	>	CONTAINS	INCLUDE	DTID (3714) ECG Lead Measurements	1-n	U		

Content Item Descriptions

Row 4 Procedure Action ID allows linkage between the hemodynamic measurements recorded in this Template and a procedure step or phase recorded in the Procedure Log, e.g., using TID 3100.

TID 3504 Arterial Pressure Measurement

The Arterial Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic, diastolic, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

TID 3504
Arterial Pressure Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (P2-36102, SRT, “Arterial pressure measurements")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	M		$LocationName = EV (G-C0E3, SRT, “Finding Site”) $LocationValue = DCID (3606) Arterial source locations
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (8480-6, LN, “Intravascular arterial Systolic pressure”) $Units = DCID (3500) Pressure Units
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (8462-4, LN, “Intravascular arterial Diastolic pressure”) $Units = DCID (3500) Pressure Units
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (8478-0, LN,

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
								"Intravascular arterial mean pressure") $Units = DCID (3500) Pressure Units
6	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

TID 3505 Atrial Pressure Measurement

The Atrial Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a-wave, v-wave, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

TID 3505
Atrial Pressure Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122121, DCM, "Atrial pressure measurements")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	M		$LocationName = EV (G-C0E3, SRT, "Finding Site") $LocationValue = DCID (3608) Atrial source locations
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (109016, DCM, "A-wave peak pressure") $Units = DCID (3500) Pressure Units
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (109034, DCM, "V-wave peak pressure") $Units = DCID (3500) Pressure Units
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (F 31150, SRT, "Mean blood pressure") $Units = DCID (3500) Pressure Units
6	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

TID 3506 Venous Pressure Measurement

The Venous Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a mean measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

TID 3506
Venous Pressure Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (P2-36110, SRT, “Venous pressure measurements")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	M		$LocationName = EV (G-C0E3, SRT, “Finding Site”) $LocationValue = DCID (3607) Venous source locations
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = EV (F 31150, SRT, “Mean blood pressure”) $Units = DCID (3500) Pressure Units
4	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

TID 3507 Ventricular Pressure Measurement

The Ventricular Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic and end-diastolic measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

TID 3507
Ventricular Pressure Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122122, DCM, “Ventricular pressure measurements")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	M		$LocationName = EV (G-C0E3, SRT, “Finding Site”) $LocationValue = DCID (3609) Ventricular source locations
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32600, SRT, “Left Ventricle”) or subsite thereof	$Measurement = EV (F-03E0D, SRT, “Left Ventricular Systolic blood pressure”) $Units = DCID (3500) Pressure Units

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32600, SRT, "Left Ventricle") or subsite thereof	$Measurement = EV (F-03E0E, SRT, "Left Ventricular End Diastolic pressure") $Units = DCID (3500) Pressure Units
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32500, SRT, "Right Ventricle") or subsite thereof	$Measurement = EV (F-03DFE, SRT, "Right Ventricular Systolic blood pressure") $Units = DCID (3500) Pressure Units
6	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32500, SRT, "Right Ventricle") or subsite thereof	$Measurement = EV (F-03E02, SRT, "Right Ventricular End Diastolic pressure") $Units = DCID (3500) Pressure Units
7	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32400, SRT, "Common Ventricle")	$Measurement = EV (122194, DCM, "Ventricular Systolic blood pressure") $Units = DCID (3500) Pressure Units
8	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	IFF $LocationValue selected in row 2 is (T-32400, SRT, "Common Ventricle")	$Measurement = EV (122191, DCM, "Ventricular End Diastolic pressure") $Units = DCID (3500) Pressure Units
9	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

TID 3508 Gradient Measurement

The Gradient Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing the gradient measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

TID 3508
Gradient Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122123, DCM, "Gradient assessment")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	MC	XOR with Rows 3 & 4 IFF single location is appropriate	$LocationName = EV (G-C0E3, SRT, "Finding Site") $LocationValue = DCID (3610) Gradient Source Locations
3	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	MC	XOR with Row 2 IFF a dual location is appropriate	$LocationName = EV (121116, DCM, "Proximal Finding Site")

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$LocationValue = DCID (3630) Cardiovascular Anatomic Locations
4	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	MC	XOR with Row 2 IFF a dual location is appropriate	$LocationName = EV (121117, DCM, “Distal Finding Site”) $LocationValue = DCID (3630) Cardiovascular Anatomic Locations
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = EV (F-023F7, ”Pressure Gradient”) $Units = DCID (3500) Pressure Units $Derivation = DCID (3627) Measurement Type
6	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

Content Item Descriptions

Row 5, which is used to encode the gradient measurements, uses Template 300 for the content item structure of the measurements. That template allows an INFERRED FROM relationship to other numeric measurements used in the computation or derivation of the current measurement. In the case of a gradient measurement, the pressure measurements at the distal and proximal locations may thus be explicitly conveyed.

TID 3509 Blood Velocity Measurement

The Blood Velocity Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing primary (not derived) velocity measurements, e.g., from a Doppler catheter. Derived velocity measurements may be recorded using TID 3560.

TID 3509
Blood Velocity Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122124, DCM, “Blood velocity measurements")	1	M		
2	>		INCLUDE	DTID (3530) Hemodynamic Acquisition Context	1	M		$LocationName = EV (G-C0E9, SRT, “Procedure site”) $LocationValue = BCID (3606) Arterial source locations
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = DCID (3612) Blood Velocity Measurements $Units = EV (mm/s, UCUM, "mm/s")
4	>	CONTAINS	INCLUDE	DTID (3550) Pressure waveform measurements	1-n	U		

TID 3510 Vital Signs

The Vital Signs template consists of a CONTAINER containing the various vital signs measurements. These measurements may be acquired automatically from patient monitoring equipment, or may be entered based on manual measurements.

TID 3510
Vital Signs
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (8716-3, LN, “Vital Signs”)	1	M		
2	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-008EC, SRT, "Systolic blood pressure") $Units = DCID (3500) $Method = BCID (3560) Blood Pressure Methods
3	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-008ED, SRT, "Diastolic blood pressure") $Units = DCID (3500)
4	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8867-4, LN, "Heart rate") $Units = EV ("{H.B.}/min", UCUM, "BPM")
5	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8310-5, LN, "Body temperature") $Units = EV (Cel, UCUM, “°C”)
6	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = DCID (3526) Blood gas saturation $Units = EV (%, UCUM, "%")
7	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-043E7, SRT, "Respiration rate") $Units = EV (/min, UCUM, "breaths/min")
8	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122195, DCM, "Pulse Strength") $Units = DT("{0:4}", UCUM, "range 0:4")
9	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-009EA, SRT, “Pain Score”) $Units = DT("{1:10}", UCUM, "range 1:10")
10	>	CONTAINS	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID (3415) Cardiac Rhythms
11	>	CONTAINS	CODE	DT (9304-7, LN, "Respiration Rhythm")	1	U		BCID (3416) Respiration Rhythms

TID 3515 Cardiac Output Measurement by Indicator Dilution

The Cardiac Output Measurement by Indicator Dilution template consists of a CONTAINER containing the measurement and significant parameters of the technical method. If the measurement is based on a DICOM Hemodynamic Waveform SOP Instance, that object may also be referenced.

Note: Fick Cardiac Output is encoded in the Derived Hemodynamic Measurements Template 3560.

TID 3515
Cardiac Output Measurement by Indicator Dilution
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (P2-34201, SRT, “Cardiac Output measurement”)	1	M		
2	>	CONTAINS	INCLUDE	TID (300) Measurement	1	M		$Measurement = EV (8737-9, LN, “Cardiac Output by Indicator Dilution”) $Units = EV (l/min, UCUM, ”l/min”) $Method = DCID (3628) Cardiac Output Methods $WavePurpose = DT (121112, DCM, "Source of measurement”)
3	>	HAS ACQ CONTEXT	NUM	EV (122319, DCM, “Catheter Size”)	1	MC	IFF Row 2 indicates a thermal method	UNITS = DCID (3510) Catheter Size Units
4	>	HAS ACQ CONTEXT	NUM	EV (122320, DCM, “Injectate Temperature”)	1	MC	IFF Row 2 indicates a thermal method	UNITS = EV (Cel, UCUM, “°C”)
5	>	HAS ACQ CONTEXT	NUM	EV (122321, DCM, “Injectate Volume”)	1	M		UNITS = DT (ml, UCUM, “ml”)
6	>	HAS ACQ CONTEXT	NUM	EV (122322, DCM, “Calibration Factor”)	1	M		UNITS = DT (1, UCUM, “no units”)

TID 3516 Blood Lab Measurements

The Blood Lab Measurements template provides for the recording of measurements made on blood samples obtained during a catheterization procedure. The type and anatomic source of the blood is recorded as acquisition context. The results from the blood chemistry measurement system are quoted; the measurement names may be pre-coordinated with the type or source of the blood, or generic measurement names may be reported. In the latter case, the full measurement concept name may be effectively post-coordinated using the recorded acquisition context.

TID 3516
Blood Lab Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122125, DCM, ”Blood lab measurements”)	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (R-00254, SRT, "Specimen Type”)	1	M		DCID (3520) Blood Source Type
3	>	HAS ACQ CONTEXT	CODE	EV (G-C0E9, SRT, “Procedure site”)	1	M		BCID (3630) Cardiovascular Anatomic Locations

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>		INCLUDE	DTID (1000) Quotation	1	U		
5	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (718-7, LN, “Hemoglobin”) $Units = DT (g/dl, UCUM, "g/dl")
6	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3524) Blood Gas Pressures $Units = DCID (3500)
7	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3525) Blood Gas Content $Units = DT (ml/dl, UCUM, "ml/dl")
8	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3528) Blood pH $Units = EV ([pH], UCUM, "pH")
9	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3526) Blood Gas Saturation $Units = EV (%, UCUM, "%")
10	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3527) Blood Base Excess $Units = DT (meq/dl, UCUM, "meq/dl")
11	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122183, DCM, "Blood temperature") $Units = EV (Cel, UCUM, “°C”)

TID 3520 Hemodynamic Clinical Context

The Clinical Context template allows the recording of information about the patient's clinical state that may affect interpretation of the hemodynamic measurements. This Template includes several coded conditions (e.g., complications, drugs, physiological challenges, etc.), each of which may have a Concept Modifier of “Relative Time”. This Modifier indicates the temporal relationship of the hemodynamic measurements to the conditions recorded in this template. E.g., the Content Item structure:

[CONTAINER] “Findings”
  HAS ACQ CONTEXT “Cath Procedure Phase” “Post-intervention phase”
  HAS ACQ CONTEXT [CONTAINER] “Clinical Context”
    CONTAINS [CODE] “Complication” “Arrhythmia”
      HAS CONCEPT MOD [CODE] “Relative Time” “After”
  CONTAINS [CONTAINER] “Arterial Measurements”
…

conveys the semantics that this group of measurements for the post-intervention phase of a cath procedure was made after an occurrence of arrhythmia in the patient.

In the absence of a Relative Time modifier, the acquisition context is during the identified event or state.

TID 3520
Hemodynamic Clinical Context
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122127, DCM, "Clinical Context")	1	M		

2	>	CONTAINS	CODE	EV (109054, DCM, ”Patient State”)	1-n	U		BCID (3602) Hemodynamic Patient State
3	>	CONTAINS	TEXT	EV (109054, DCM, ”Patient State”)	1	U		
4	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (DD-60002, SRT, “Complication of Procedure”) $ConditionValue = DCID (3413) Adverse Outcomes
5	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (122086, DCM, "Contrast administered") $ConditionValue = BCID (12) Radiographic Contrast Agent
6	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (122083, DCM, "Drug administered") $ConditionValue = BCID (10) Interventional Drug
7	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (109059, DCM, ”Physiological challenges”) $ConditionValue = BCID (3271) Hemodynamic Physiological Challenges
8	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (122138, DCM, "Circulatory Support") $ConditionValue = DCID (3553) Circulatory Support
9	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (P2-2200A, SRT, "Ventilatory assistance") $ConditionValue = DCID (3554) Ventilation
10	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (P2-35000, SRT, "Cardiac Pacing") $ConditionValue = BCID (3555) Pacing
11	>	CONTAINS	INCLUDE	DTID (3521) Relative Time	1-n	U		$ConditionName = EV (P0-0000, SRT, "Procedure") $ConditionValue = BCID (3405) Procedure Action Values

TID 3521 Relative Time

The Relative Time template is invoked by 3520 Hemodynamic Acquisition Context template. It specifies an applicable clinical context condition and the time of the current measurements relative to that condition.

TID 3521 Parameters

Parameter Name	Parameter Usage
$ConditionName	Coded term for Concept Name of condition
$ConditionValue	Context Group for condition values

TID 3521
Relative Time
Type: Non-Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	$ConditionName	1	M		$ConditionValue
2	>	HAS CONCEPT MOD	CODE	EV (G-D709, SRT, "Relative time")	1	U		BCID (3600) Relative times

TID 3530 Hemodynamic Acquisition Context

The Hemodynamic Acquisition Context template is invoked by the various hemodynamic measurement templates.

Parameter Name	Parameter Usage
$LocationName	Coded term for Concept Name of measurement location
$LocationValue	Context Group for appropriate anatomic locations

TID 3530
Hemodynamic Acquisition Context
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	$LocationName	1	M		$LocationValue
2	>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier”)	1	U		BCID (3019) Cardiovascular anatomic location modifiers
3		HAS ACQ CONTEXT	CODE	EV (G-C036, SRT, “Measurement Method ")	1	U		BCID (3241) Hemodynamic Measurement Technique
4		HAS ACQ CONTEXT	WAVEFORM	DT (121112, DCM, "Source of measurement”)	1	UC	XOR Row 5	
5		HAS ACQ CONTEXT	TCOORD	DT (121112, DCM, "Source of measurement”)	1	UC	XOR Row 4	
6	>	SELECTED FROM	WAVEFORM		1	M		

TID 3550 Pressure Waveform Measurements

The Pressure Waveform Measurements template is invoked by the various hemodynamic measurement templates for recording general measurements made in conjunction with the specific required measurements for that anatomic location.

TID 3550
Pressure Waveform Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3611) Pressure Measurements $Units = DCID (3500)
2		CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3612) Blood Velocity Measurements $Units = EV (mm/s, UCUM, "mm/s")
3		CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3613) Hemodynamic Time Measurements $Units = DT (ms, UCUM, "ms")
4		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-32100, SRT, "Cardiac Output") $Units = EV (l/min, UCUM, "l/min")
5		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, "Stroke Volume”) $Units = DT (ml, UCUM, "ml")
6		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%")
7		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8867-4, LN, "Heart rate") $Units = DT ("{H.B.}/min", UCUM, "BPM")
8		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-043E7, SRT, "Respiration rate") $Units = DT (“/min”, UCUM, "breaths/min")
9		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (109025, DCM, "Max dp/dt") $Units = DT (mm[Hg]/s, UCUM, "mmHg/s")
10		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (109026, DCM, "Max neg dp/dt") $Units = DT (mm[Hg]/s, UCUM, "mmHg/s")
11		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122190, DCM, "Max dp/dt/P") $Units = DT (s-1, UCUM, "/s")
12		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122192, DCM, "Indicator appearance time") $Units = DT (s, UCUM, "s")
13		CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122193, DCM, "Maximum pressure acceleration") $Units = DT (mm[Hg]/s2, UCUM, "mmHg/s/s")
14		CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3617) Valve Flows $Units = DT (ml/min, UCUM, "ml/min")

TID 3560 Derived Hemodynamic Measurements

The Derived Hemodynamic Measurements template consists of a CONTAINER containing measurements derived from one or more other measurements. These measurements are associated with a particular procedure phase, but not necessarily with a particular anatomic location.

TID 3560
Derived Hemodynamic Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122126, DCM, "Derived Hemodynamic Measurements")	1	U		
2	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3614) Valve Areas, non-Mitral $Units = EV (cm2, UCUM, "cm2") $Equation = DT (122262, DCM, “Area = Flow / 44.5 * sqrt(Gradient[mmHg])”)
3	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-02320, SRT, "Mitral Valve Area”) $Units = EV (cm2, UCUM, "cm2") $Equation = DT (122263, DCM, “MVA= Flow / 38.0 * sqrt(Gradient[mmHg])”)
4	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3615) Valve Areas $ModType = EV (121425, DCM, “Index”) $ModValue = EV (8277-6, LN, “Body Surface Area”) $Units = DT (cm2/m2, UCUM, "cm2/m2")
5	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3616) Hemodynamic Period Measurements $Units = DT ("s/min", UCUM, "s/min")
6	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3617) Valve Flows $Units = DT (ml/s, UCUM, "ml/s")
7	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-32110, SRT, "Cardiac Index”) $Units = DT (l/min/m2, UCUM, "l/min/m2")
8	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3529) Arterial / Venous Content $Units = DT (ml/dl, UCUM, "ml/dl")
9	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3618) Hemodynamic Flows $Units = DT (l/min, UCUM, "l/min")
10	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8736-1, LN, "FICK Cardiac Output”) $Units = DT (l/min, UCUM, "l/min")
11	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8750-2, LN, "FICK Cardiac Index”)

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$Units = DT (l/min/m2, UCUM, "l/min/m2")
12	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122229, DCM, "Arteriovenous difference”) $Units = DT (ml/dl, UCUM, "ml/dl")
13	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = BCID (3620) Hemodynamic Ratios $Units = DT (1, UCUM, "ratio")
14	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122237, DCM, "Corrected Sinus Node Recovery Time”) $Units = DT (ms, UCUM, "ms")
15	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8861-7, LN, "Left Ventricular Stroke Work”) $Units = DT (gf.m, UCUM, "gf.m")
16	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8862-5, LN, "Right Ventricular Stroke Work”) $Units = DT (gf.m, UCUM, "gf.m")
17	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8863-3, LN, "Left Ventricular Stroke Work Index”) $Units = DT (gf.m/m2, UCUM, "gf.m/m2")
18	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (8864-1, LN, "Right Ventricular Stroke Work Index”) $Units = DT (gf.m/m2, UCUM, "gf.m/m2")
19	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122238, DCM, "Max volume normalized to 50mmHg pulse pressure”) $Units = DT (ml, UCUM, "ml")
20	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122239, DCM, "Oxygen Consumption”) $Units = DT (ml/min, UCUM, "ml/min") $Equation = BCID (3664) Oxygen Consumption Equations and Tables
21	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (19217-9, LN, "Oxygen partial pressure at 50% saturation (P50)") $Units = DCID (3500) $Equation = BCID (3666) P50 Equations
22	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (11556-8, LN, "Blood Oxygen partial pressure”) $Units = DCID (3500)
23	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3618) Hemodynamic Flows $ModType = EV (121425, DCM, “Index”) $ModValue = EV (8277-6, LN, “Body Surface Area”) $Units = DT (l/min/m2, UCUM, "l/min/m2")
24	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3619) Hemodynamic Resistance

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
				Measurement				Measurements $Units = BCID (3502) Hemodynamic Resistance Units
25	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3619) Hemodynamic Resistance Measurements $ModType = EV (121425, DCM, “Index”) $ModValue = EV (8277-6, LN, “Body Surface Area”) $Units = BCID (3503) Indexed Hemodynamic Resistance Units
26	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122227, DCM, "Left to Right Flow”) $Units = DT (l/min, UCUM, "l/min")
27	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (122228, DCM, "Right to Left Flow”) $Units = DT (l/min, UCUM, "l/min")
28	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, "Stroke Volume”) $Units = DT (ml, UCUM, "ml")
29	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-32120, SRT, "Stroke Volume”) $ModType = EV (121425, DCM, “Index”) $ModValue = EV (8277-6, LN, “Body Surface Area”) $Units = DT (ml,/m2 UCUM, "ml/m2")
30	>	CONTAINS	INCLUDE	TID (300) Measurement	1	U		$Measurement = EV (F-042BA, SRT, "Total blood volume”) $Units = DT (l, UCUM, "l")
31	>	CONTAINS	INCLUDE	TID (300) Measurement	1-n	U		$Measurement = DCID (3667) Framingham Scores $Units = DT (%, UCUM, "%") $Equation = DCID (3668) Framingham Tables

TID 3570 Summary, Hemodynamics

This Template allows the recording of any significant numeric measurements or findings.

TID 3570
Summary, Hemodynamics
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		
4	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3640) Hypertension

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>>		INCLUDE	DTID (1350) “Negation Modifier, Presence of Finding”	1	U		
6	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
7	>	CONTAINS	CODE	DCID (3641) Hemodynamic Assessments	1-n	U		DCID (3642) Degree Findings
8	>>	HAS PROPERTIES	CODE	EV (G-C0B2, SRT, “Condition”)	1	U		EV (R-102B9, SRT, “Large v-wave”)
9	>	CONTAINS	CODE	EV (121071, DCM, “Finding”)	1	U		EV (R-102BA, SRT, “Diastolic pressure equalization”)

TID 3601 Procedure Context

The Procedure Context template describes acquisition context for measurements made or events recorded in a procedure.

TID 3601
Procedure Context
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	TEXT	EV (121065, DCM, "Procedure Description")	1	U		Defaults to Study Description (0008,1030) of the General Study Module
2		HAS ACQ CONTEXT	CODE	EV (G-C0E8, SRT, “Has Intent”)	1	U		BCID (3629) Procedure Intent
3		HAS ACQ CONTEXT	CODE	EV (G-C09C, SRT, “Procedure Priority”)	1	U		BCID (3414) Procedure Urgency
4		HAS OBS CONTEXT	CODE	EV (121023, DCM, ”Procedure Code”)	1-n	U		Defaults to Procedure Code Sequence (0008,1032) of General Study Module

TID 3602 Cardiovascular Patient Characteristics

This template describes the characteristics of the patient that are specific to the current clinical presentation (visit). Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

TID 3602
Cardiovascular Patient Characteristics
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, “Patient Characteristics”)	1	M		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	M		Units = DCID (7456) Units of Measure for Age
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	M		DCID (7455) Sex
4	>	CONTAINS	NUM	EV (8302-2, LN, "Patient Height")	1	M		UNITS = EV (cm, UCUM, "cm")
5	>	CONTAINS	NUM	EV (29463-7, LN, "Patient Weight")	1	M		UNITS = EV (kg, UCUM, "kg")
6	>	CONTAINS	NUM	EV (122221, DCM, "Thorax diameter, sagittal")	1	U		UNITS = EV (cm, UCUM, "cm")
7	>	CONTAINS	NUM	EV (8277-6, LN, "Body Surface Area")	1	MC	IF BSA used for indexed measurements in SOP Instance	UNITS = EV (m2, UCUM, "m^2")
8	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID (3663) Body Surface Area Equations
9	>	CONTAINS	NUM	EV (F-01860, SRT, "Body Mass Index")	1	U		UNITS = EV (kg/m2, UCUM, "kg/m^2")
10	>>	INFERRED FROM	CODE	EV (121420, DCM, "Equation")	1	U		DT (122265, DCM, "BMI = Wt/Ht^2")
11	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		UNITS = EV ("{H.B.}/min", UCUM, "BPM")
12	>	CONTAINS	NUM	EV (F-008EC, SRT, "Systolic Blood Pressure")	1	U		Units = DCID (3500)
13	>	CONTAINS	NUM	EV (F-008ED, SRT, "Diastolic Blood Pressure")	1	U		Units = DCID (3500)
14	>	CONTAINS	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID (3415) Cardiac Rhythms
15	>	CONTAINS	NUM	EV (F-03D8C, SRT, "Chest Circumference")	1	U		UNITS = EV (cm, UCUM, "cm")
16	>	CONTAINS	TEXT	EV (F-009E4, SRT, "Breast size")	1	U		Bra size as text string
17	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		DCID (3202) Chest Pain
18	>	CONTAINS	CODE	EV (F-04FCC, SRT, "Functional capacity")	1	U		DCID (3719) Canadian Clinical Classification
19	>	CONTAINS	CODE	EV (F-04FCC, SRT, "Functional capacity")	1	U		DCID (3736) NYHA Classification
20	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		
21	>	CONTAINS	TEXT	EV (121110, DCM, "Patient Presentation")	1	U		

TID 3602 Cardiovascular Patient Characteristics Descriptions

Rows 11-13	Cardiac vital signs, for use when the SR SOP Instance does not record vital signs at multiple procedure phases or stages.
Row 16	Breast size for interpretation of attenuation in nuclear medicine imaging

TID 3603 Procedure Environmental Characteristics

TID 3603
Procedure Environmental Characteristics
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122222, DCM, "Procedure Environmental Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (122223, DCM, "Room oxygen concentration")	1	U		UNITS = EV (%, UCUM, "%")
3	>	CONTAINS	NUM	EV (122224, DCM, "Room temperature")	1	U		UNITS = EV (Cel, UCUM, "ºC")
4	>	CONTAINS	NUM	EV (122225, DCM, "Room Barometric pressure")	1	U		UNITS = DT (mbar, UCUM, "millibar")

ECG REPORT TEMPLATES

TID 3700 ECG Report

The ECG Report template is the root structure for the representation of analysis of an ECG waveform, potentially in comparison to a prior ECG waveform analysis. The analyzed waveform may or may not be stored as a DICOM SOP Instance.

TID 3700
ECG Report
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (28010-7, LN, “ECG Report”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	U		DCID (3670) ECG Procedure Types
3	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
4	>	CONTAINS	INCLUDE	DTID (1002) Observer Context	1-n	M		
5	>	CONTAINS	INCLUDE	DTID (3701) "Clinical Context, ECG"	1	U		
6	>	CONTAINS	INCLUDE	DTID (3702) Prior ECG Exam	1	U		
7	>	CONTAINS	INCLUDE	DTID (3708) ECG Waveform Information	1	M		
8	>	CONTAINS	CONTAINER	EV (122144, DCM, "Quantitative Analysis")	1	M		
9	>>	CONTAINS	INCLUDE	DTID (3713) Global Measurements	1-n	U		
10	>>	CONTAINS	INCLUDE	DTID (3714) ECG Lead Measurements	1-n	U		
11	>	CONTAINS	INCLUDE	DTID (3717) ECG Qualitative Analysis	1	U		
12	>	CONTAINS	INCLUDE	DTID (3719) "Summary, ECG"	1	U		

TID 3701 Clinical Context, ECG

TID 3701
Clinical Context, ECG
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122127, DCM, "Clinical Context")	1	U		
2	>	CONTAINS	CODE	EV (122139, DCM, "Reason for Exam")	1-n	U		DCID (3671) Reason for ECG Exam
3	>	CONTAINS	TEXT	EV (122139, DCM, "Reason for Exam")	1	U		
4	>	CONTAINS	CODE	EV (109054, DCM, ”Patient	1	U		DCID (3262) ECG

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
				State")				Patient State Values
5	>	CONTAINS	CODE	EV (G-02D0, SRT, "Regular Medication")	1-n	U		No BCID
6	>	CONTAINS	TEXT	EV (G-02D0, SRT, "Regular Medication")	1	U		
7	>	CONTAINS	CODE	EV (G-02EC, SRT, "Pacemaker in situ")	1-n	U		DCID (3672) Pacemakers
8	>	CONTAINS	TEXT	EV (G-02EC, SRT, "Pacemaker in situ")	1	U		
9	>	CONTAINS	CODE	EV (121060, DCM, "History")	1-n	U		DCID (3673) Diagnosis
10	>	CONTAINS	TEXT	EV (121060, DCM, "History")	1	U		

TID 3702 Prior ECG Exam

TID 3702
Prior ECG Exam
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121066, DCM, "Prior Procedure Descriptions ")	1	M		
2	>	CONTAINS	CODE	EV (122140, DCM, "Comparison with Prior Exam Done")	1	M		DCID (230) Yes-No
3	>	CONTAINS	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	U		
4	>	CONTAINS	COMPOSITE	EV (122075, DCM, "Prior report for current patient")	1	U		
5	>	CONTAINS	WAVEFORM	EV (121112, DCM, "Source of Measurement")	1	U		

TID 3708 ECG Waveform Information

The ECG Waveform Information template provides reference to, and important parameters of, the analyzed waveform.

TID 3708
ECG Waveform Information
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121064, DCM, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	WAVEFORM	EV (121112, DCM, "Source of Measurement")	1	U		
3	>	HAS ACQ CONTEXT	CODE	EV (5.4.5-33-1, SCPECG [1.3], "Electrode Placement")	1	U		DCID (3263) Electrode Placement Values
4	>	HAS ACQ	CODE	EV (5.4.5-33-2, SCPECG	1	U		DCID (3264) XYZ

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
		CONTEXT		[1.3], “XYZ Electrode Configuration”)				Electrode Placement Values
5	>	HAS ACQ CONTEXT	TEXT	EV (122142, DCM, "Acquisition Device Type")	1	U		
6	>	HAS ACQ CONTEXT	TEXT	EV (121122, DCM, "Equipment Identifier")	1	U		
7	>	HAS ACQ CONTEXT	INCLUDE	DTID (1003) Person Observer Identifying Attributes	1	U		
8	>	HAS ACQ CONTEXT	TEXT	EV (121121, DCM, "Room Identification")	1	U		
9	>	HAS ACQ CONTEXT	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	M		
10	>	HAS ACQ CONTEXT	NUM	EV (5.4.5-27, SCPECG [1.3], "Baseline Filter Frequency")	1	U		UNITS = EV (Hz, UCUM, "Hz")
11	>	HAS ACQ CONTEXT	NUM	EV (5.4.5-28, SCPECG [1.3], "Low-Pass Filter Frequency ")	1	U		UNITS = EV (Hz, UCUM, "Hz")
12	>	HAS ACQ CONTEXT	CODE	EV (5.4.5-29, SCPECG [1.3], "Filters")	1-n	U		DCID (3675) Other Filters

TID 3713 ECG Global Measurements

The ECG Global Measurements Template provides a structure for measurements calculated across the ECG waveform as a whole (multiple leads).

TID 3713
ECG Global Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122158, DCM, "ECG Global Measurements")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (3715) ECG Measurement Source	1	U		
3	>	CONTAINS	NUM	EV (5.10.2.5-3, SCPECG[1.3], "Atrial Heart Rate")	1	U		UNITS = EV ({H.B.}/min, UCUM, "heart beats per minute")
4	>	CONTAINS	NUM	EV (5.10.2.5-1, SCPECG[1.3], "Ventricular Heart Rate")	1	M		UNITS = EV ({H.B.}/min, UCUM, "heart beats per minute")
5	>	CONTAINS	NUM	EV (F-38292, SRT, "QT Duration")	1	M		UNITS = EV (ms, UCUM, "ms")
6	>	CONTAINS	NUM	EV (5.10.2.5-5, SCPECG[1.3], "QT Corrected Duration")	1	U		UNITS = EV (ms, UCUM, "ms")
7	>	CONTAINS	CODE	EV (5.10.2.5-7, SCPECG[1.3], "Correction Algorithm")	1	U		DCID (3678) QT Correction Algorithms
8	>	CONTAINS	NUM	EV (F-025C5, SRT, "PR Duration")	1	M		UNITS = EV (ms, UCUM, "ms")
9	>	CONTAINS	NUM	EV (F-025C6, SRT, "QRS	1	M		UNITS = EV (ms,

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
				Duration")				UCUM, "ms")
10	>	CONTAINS	NUM	EV (5.10.3-11, SCPECG [1.3], "P Axis")	1	U		UNITS = EV (deg, UCUM, "°")
11	>	CONTAINS	NUM	EV (5.10.3-13, SCPECG [1.3], "QRS Axis")	1	U		UNITS = EV (deg, UCUM, "°")
12	>	CONTAINS	NUM	EV (5.10.3-15, SCPECG [1.3], "T Axis")	1	U		UNITS = EV (deg, UCUM, "°")

TID 3714 ECG Lead Measurements

The ECG Lead Measurements Template provides a structure for measurements calculated on individual ECG leads.

TID 3714
ECG Lead Measurements
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122159, DCM, "ECG Lead Measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (122148, DCM, "Lead ID")	1	M		BCID (3001) ECG Leads
3	>	HAS OBS CONTEXT	INCLUDE	DTID (3715) ECG Measurement Source	1	U		
4	>	CONTAINS	NUM	DCID (3687) Electrophysiology Waveform Durations	1-n	U		UNITS = EV (ms, UCUM, "ms")
5	>	CONTAINS	NUM	DCID (3688) Electrophysiology Waveform Voltages	1-n	U		UNITS = EV (mv, UCUM, "mv")
6	>	CONTAINS	CODE	EV (5.13.5-47, SCPECG [1.3], "T Morphology Description")	1	U		DCID (3679) ECG Morphology Descriptions
7	>	CONTAINS	CODE	EV (5.13.5-45, SCPECG [1.3], "P Morphology Description")	1	U		DCID (3679) ECG Morphology Descriptions
8	>	CONTAINS	NUM	EV (5.13.5-43, SCPECG [1.3], "ST Slope")	1	U		UNITS = EV (uV/s, UCUM, "uV/s ")
9	>	CONTAINS	CODE	DCID (3680) ECG Lead Noise Descriptions	1-n	U		DCID (3681) ECG Lead Noise Modifiers

TID 3715 ECG Measurement Source

The ECG Measurement Source Template provides a structure for identifying the particular cardiac cycle, or beat, in an analyzed ECG waveform used for the measurement group for which this template provides Observation Context. The cardiac cycle is identified by beat number, and optionally by specific temporal coordinates within a DICOM ECG waveform SOP Instance.

TID 3715
ECG Measurement Source
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (122149, DCM, "Beat Number")	1	U		Up to three numeric characters
2			CODE	EV (G-C036, SRT, "Measurement Method")	1	U		DCID (3676) Lead Measurement Technique
3			TCOORD	EV (121112, DCM, "Source of measurement")	1	U		
4	>	SELECTED FROM	WAVEFORM		1	U		

Content Item Descriptions

Row 1 Beat Number is specified as a numeric text string, and shall be treated as the ordinal of the beat (cardiac cycle) within the waveform acquisition for this lead that was analyzed for the measurements in this container (i.e., “1” for the first beat, “2” for the second, etc.). If absent, the measurements may have been made by a technique across multiple cycles as specified in Row 2 Measurement Method.

Rows 3 and 4 Source of measurement identify the specific channel and time period within a DICOM ECG Waveform SOP Instance that was analyzed for the measurements in this container.

TID 3717 ECG Qualitative Analysis

The ECG Qualitative Analysis template allows a free text qualitative interpretation of the analyzed ECG, as well as a structure for a coded analysis.

TID 3717
Qualitative Analysis, ECG
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122145, DCM, "Qualitative Analysis")	1	M		
2	>	CONTAINS	TEXT	EV (122147, DCM, "Clinical Interpretation")	1	M		
3	>	CONTAINS	CONTAINER	EV (122150, DCM, "Compound Statement")	1-n	U		
4	>>	CONTAINS	INCLUDE	DTID (3718) ECG Interpretive Statement	1-n	U		

Content Item Descriptions

Row 3 Interpretive Statement is a container for one or more coded statements, defined in Template 3718. This container will typically have the Continuity of Content (0040,A050) flag set to CONTINUOUS, as

multiple interpretive statements in one container may be linked by conjunctive terms, and should be understood as a continuous semantic unit.

TID 3718 ECG Interpretive Statement

The ECG Interpretive Statement template provides a structure for an atomic coded interpretation of an ECG, optionally followed by a conjunctive term to another interpretation coded in a subsequent invocation of this template.

TID 3718
ECG Interpretive Statement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (122151, DCM, "Trend")	1	U		DCID (3684) Trend
2	>	HAS CONCEPT MOD	CODE	EV (122157, DCM, "Probability")	1	U		DCID (3682) Probability
3			CODE	EV (122152, DCM, "Statement")	1	M		DCID (3686) ECG Interpretive Statements
4	>	HAS CONCEPT MOD	CODE	EV (122153, DCM, "Statement Modifier")	1	U		DCID (3683) Modifiers
5			CODE	EV (122154, DCM, "Conjunctive Term")	1	U		DCID (3685) Conjunctive Terms

TID 3719 Summary, ECG

TID 3719
Summary, ECG
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		DCID (3677) Summary Codes ECG

CATH LAB CLINICAL REPORT TEMPLATES

The templates that comprise the Cardiac Catheterization Report are interconnected as shown in Figure A-7.

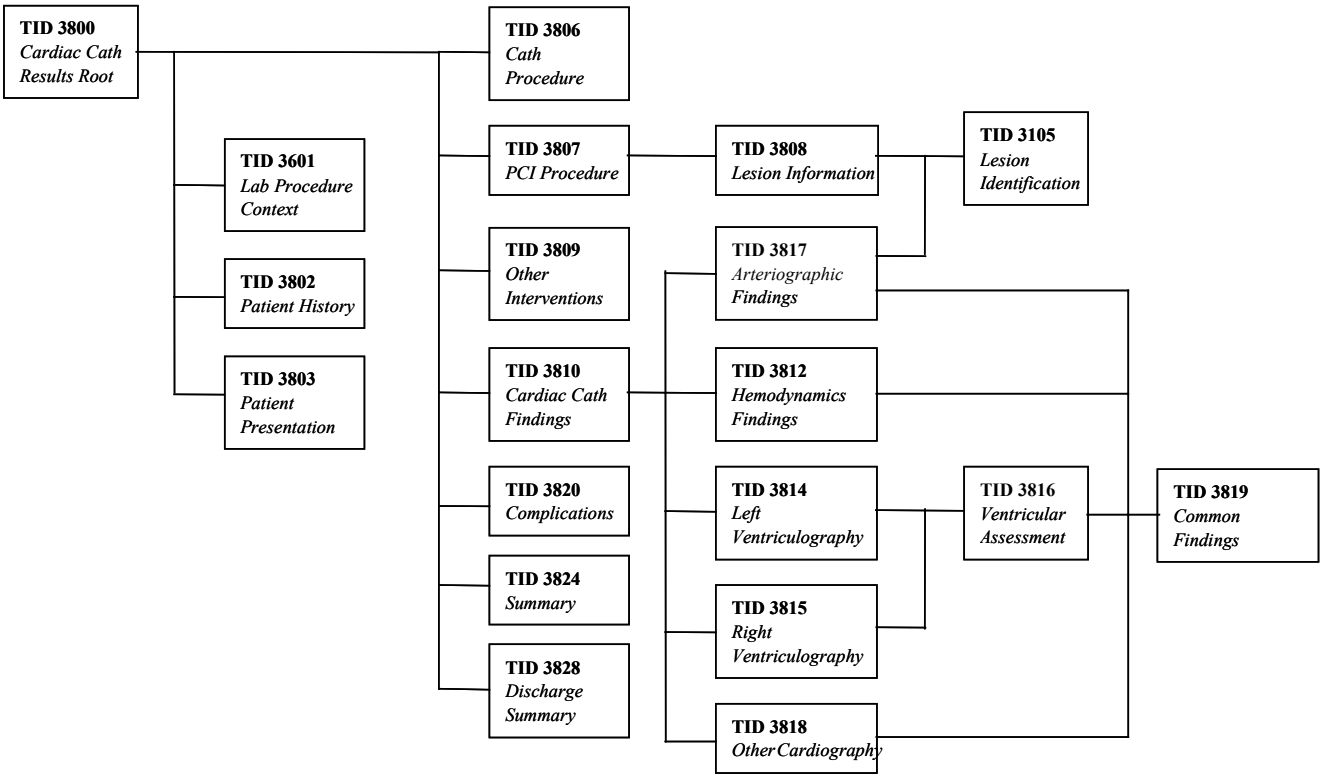


Figure A-7 Cardiac Catheterization Report Template Hierarchy

Note: The figure shows the relationship of templates; it does not show the structural hierarchy of Content Items in the IOD.

TID 3800 Cardiac Catheterization Report Root

The Cardiac Cath Report provides the overall clinical results of the catheterization procedure and interventions. In many cases, more detailed information is optionally available in other reports (Hemodynamic Measurements, Procedure Log, etc.). That information is collected and summarized here (and referenced when available).

When a Discharge Summary section (row 12) is included, this report template covers the full set of information required for submission to the ACC NCDR™ (version 2.0) registry.

Notes: 1. The information required for such a submission must sometimes be reformatted from a single concept in these templates to two data elements for the registry, or vice versa.
2. This Template is expected to be used with the Basic Text SR or Enhanced SR IOD.
3. This Cardiac Cath Report template is a baseline template within these SOP Classes that may be

replaced; it is therefore in no sense binding for exchange of this type of report. It is solely an example of a possible encoding of the Cardiac Cath Report.

TID 3800
Cardiac Catheterization Report Root
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (18745-0, LN, "Cardiac Catheterization Report")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DCID (3739) Cath Procedure Type
3	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
4	>		INCLUDE	DTID (3601) Procedure Context	1	M		
5	>	CONTAINS	INCLUDE	DTID (3802) "Cardiovascular Patient History"	1	U		
6	>	CONTAINS	INCLUDE	DTID (3803) "Patient Presentation, Cath"	1	M		
7	>	CONTAINS	INCLUDE	DTID (3806) Cath Procedure	1	M		
8	>	CONTAINS	INCLUDE	DTID (3810) Cardiac Catheterization Findings	1	M		
9	>	CONTAINS	INCLUDE	DTID (3807) Percutaneous Coronary Intervention Procedure	1	U		
10	>	CONTAINS	INCLUDE	DTID (3809) Other Interventional Procedures	1-n	U		
11	>	CONTAINS	INCLUDE	DTID (3820) "Adverse Outcomes, Cath"	1	M		
12	>	CONTAINS	INCLUDE	DTID (3824) "Summary, Cath"	1	M		
13	>	CONTAINS	INCLUDE	DTID (3828) "Discharge Summary, Cath"	1	U		

TID 3802 Cardiovascular Patient History

This template contains information about a cardiovascular patient’s past medical history that is relevant for the interpretation of the SR document of which it is part. This information is considered to have some degree of “persistence” across different episodes of care.

TID 3802
Cardiovascular Patient History
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121060, DCM, "History")	1	M		
2	>	CONTAINS	TEXT	EV (121060, DCM, "History")	1	U		
3	>	CONTAINS	CONTAINER	DT (11450-4, LN, “Problem List”)	1	U		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>>	CONTAINS	TEXT	DCID (3769) Concern Types	1-n	U		
5	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1-n	U		$Problem = DCID (3756) Cardiac Patient Risk Factors
6	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (G-023F, SRT, “History of Diabetes mellitus”) $Therapy = DCID (3722) Diabetic Therapy
7	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (G-0269, SRT, “History of Hypertension”) $Therapy = DCID (3760) Hypertension Therapy
8	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (R-102B8, SRT, “History of Hypercholesterol¬emia”) $Therapy = DCID (3761) Antilipemic agents
9	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (D3-30000, SRT, “Arrhythmia”) $Therapy = DCID (3762) Antiarrhythmic agents
10	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (G-03AA, SRT, “History of Myocardial infarction”) $ModType = DT (122170, DCM, “Type of Myocardial Infarction”) $ModValue = DCID (3723) MI Types $Therapy = DCID (3764) Myocardial Infarction Therapies
11	>>	CONTAINS	INCLUDE	DTID (3829) Problem Properties	1	U		$Problem = EV (G-0069, SRT, “History of Kidney disease”) $Stage = DCID (3778) Stages
12	>	CONTAINS	CONTAINER	DT (29762-2, LN, “Social History”)	1	U		
13	>>	CONTAINS	TEXT	EV (F-02455, SRT, "Social History")	1	U		
14	>>	CONTAINS	TEXT	DCID (3774) Social History	1-n	U		
15	>>	CONTAINS	CODE	EV (F-93109, SRT, "Tobacco Smoking Behavior")	1	U		DCID (3724) Smoking History
16	>>	CONTAINS	CODE	DT (F-931D4, SRT, “Drug misuse behavior”)	1	U		DT (D9-30400, SRT, “Cocaine Abuse”)
17	>	CONTAINS	CONTAINER	DT (10167-5, LN, “Past Surgical History”)	1	U		

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>>	CONTAINS	TEXT	EV (121060, DCM, "History")	1-n	U		
19	>>	CONTAINS	INCLUDE	DTID (3830) Procedure Properties	1-n	U		$ProcType = DT (P0-009C3, SRT, “Surgical Procedure”) $Procedure = DCID (3721) Cardiovascular Surgeries
20	>	CONTAINS	CONTAINER	DT (30954-2, LN, “Relevant Diagnostic Tests and/or Laboratory Data”)	1	U		
21	>>	CONTAINS	TEXT	EV (121060, DCM, "History")	1-n	U		
22	>>	CONTAINS	INCLUDE	DTID (3830) Procedure Properties	1-n	U		$ProcType = DT (P0-00002, SRT, “Diagnostic procedure”) $Procedure = DCID (3757) Cardiac Diagnostic Procedures
23	>>	CONTAINS	NUM	DT (2086-7, LN, “Cholesterol.in HDL”)	1	U		UNITS= (mg/dl, UCUM, “mg/dl”)
24	>>	CONTAINS	NUM	DT (2089-1, LN, “Cholesterol.in LDL”)	1	U		UNITS= (mg/dl, UCUM, “mg/dl”)
25	>	CONTAINS	CONTAINER	DT (10160-2, LN, “History of Medications”)	1	U		
26	>>	CONTAINS	TEXT	DT (111516, DCM, “Medication Type”)	1-n	U		
27	>>>	HAS PROPERTIES	CODE	DT (33999-4, LN, “Status”)	1	U		DCID (3773) Use Status
28	>>	CONTAINS	CODE	DT (111516, DCM, “Medication Type”)	1-n	U		
29	>>>	HAS PROPERTIES	NUM	DT (G-C0B7, SRT, “Dosage”)	1	U		
30	>>>	HAS PROPERTIES	CODE	DT (33999-4, LN, “Status”)	1	U		DCID (3773) Use Status
31	>	CONTAINS	CONTAINER	DT (10157-6, LN, “History of Family Member Diseases”)	1	U		
32	>>	CONTAINS	TEXT	EV (121060, DCM, "History")	1-n	U		
33	>>	CONTAINS	CODE	EV (G-03E5, SRT, “Family history of clinical finding”)	1-n	U		DCID (3758) Cardiovascular Family History
34	>>>	HAS PROPERTIES	CODE	EV (G-C32E, SRT, “Subject relationship”)	1	M		DCID (7451) Family Member
35	>	CONTAINS	CONTAINER	DT (46264-8, LN, “History of medical device use”)	1	U		
36	>>	CONTAINS	TEXT	EV (121060, DCM, "History")	1	U		
37	>>	CONTAINS	INCLUDE	DTID (3831) Medical Device Use	1-n	U		$Device = DCID (3777) Implanted Devices

TID 3803 Patient Presentation, Cath

This template describes the aspects of the patient that are specific to this clinical presentation (admission).

- Standard -

TID 3803
Patient Presentation, Cath
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121110, DCM, "Patient Presentation")	1	M		
2	>	CONTAINS	TEXT	EV (122128, DCM, "Patient Transferred From")	1	U		
3	>	CONTAINS	DATETIME	EV (15, NCDR [2.0b], "Admission Date/Time")	1	U		
4	>	CONTAINS	CODE	EV (17, NCDR [2.0b], "Admission Status")	1	U		DCID (3729) Admission Status
5	>	CONTAINS	CODE	EV (18, NCDR [2.0b], "Insurance Payor Type")	1	U		DCID (3730), Insurance Payor
6	>	CONTAINS	CODE	EV (46, NCDR [2.0b], "Congestive Heart Failure Prior to Procedure")	1	U		DCID (230) Yes-No
7	>	CONTAINS	CODE	EV (47, NCDR [2.0b], "NYHA Classification")	1	UC	IFF Row 6 Value code meaning is <yes>	DCID (3736) NYHA Classification
8	>	CONTAINS	CODE	EV (48, NCDR [2.0b], "Noninvasive Testing - Ischemia")	1	U		DCID (3737) Non-Invasive Test - Ischemia
9	>	CONTAINS	CODE	EV (49, NCDR [2.0b], "Pre-Cath Angina Type")	1	U		DCID (3738) Pre-Cath Angina Type
10	>	CONTAINS	CODE	EV (50, NCDR [2.0b], "Pre-Cath Canadian Classification")	1	U		DCID (3719) Canadian Clinical Classification
11	>	CONTAINS	CODE	EV (51, NCDR [2.0b], "Acute Coronary Syndrome Time Period")	1	UC	IFF Row 9 Value code meaning is <ACS>	DCID (3735) Acute Coronary Syndrome Time Period
12	>	CONTAINS	CONTAINER	EV (121109, DCM, "Indications for Procedure")	1	U		
13	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3727) Indications for Catheterization
14	>	CONTAINS	NUM	EV (10230-1, LN, "LV Ejection Fraction")	1-n	U		Units = EV (%, UCUM, "%")
15	>>	HAS CONCEPT MOD	CODE	EV (G-C036, SRT, "Measurement method")	1	U		DCID (3744) EF Testing Method
16	>>		INCLUDE	DTID (1000) Quotation	1	U		
17	>	CONTAINS	CODE	EV (121069, DCM, “Previous Finding”)	1-n	U		DCID (3700) Cath Diagnosis
18	>	CONTAINS	TEXT	EV (121110, DCM, "Patient Presentation")	1	U		

TID 3806 Cath Procedure

This template describes the patient-related information about this specific clinical encounter (catheterization).

TID 3806
Cath Procedure
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121064, DCM, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	DATETIME	EV (52, NCDR [2.0b], "Procedure DateTime")	1	M		
3	>	CONTAINS	TEXT	EV (53, NCDR [2.0b], "Procedure Number in this admission")	1	U		Up to three numeric characters
4	>	CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1	U		
5	>	CONTAINS	COMPOSITE	EV (121120, DCM, "Cath Lab Procedure Log")	1-n	U		
6	>	CONTAINS	NUM	EV (55, NCDR [2.0b], "Fluoroscopy Time")	1	U		UNITS = DT (min, UCUM, "min")
7	>	CONTAINS	NUM	EV (122130, DCM, "Dose Area Product")	1	U		UNITS = DT (mGycm2, UCUM, "mGycm2")
8	>	CONTAINS	PNAME	EV (76, NCDR [2.0b], "Catheterization Operator")	1	M		
9	>	CONTAINS	PNAME	EV (121088, DCM, "Fellow")	1-n	U		
10	>	CONTAINS	PNAME	BCID (7453) Performing Roles	1-n	U		
11	>	CONTAINS	CODE	EV (122129, DCM, "PCI during this procedure")	1	U		DCID (230) Yes-No
12	>	CONTAINS	CONTAINER	EV (F-04460, "Medication Given")	1	M		
13	>>	CONTAINS	CODE	EV (57, NCDR [2.0b], "Thrombolytics")	1	U		DCID (3740) Thrombolytic Administration
14	>>	CONTAINS	CODE	EV (58, NCDR [2.0b], "IIb/IIIa Blockade")	1	U		DCID (3741) Medication Administration, Lab Visit
15	>>	CONTAINS	CODE	EV (59, NCDR [2.0b], "Heparin")	1-n	U		DCID (3742) Medication Administration, PCI
16	>>	CONTAINS	CODE	EV (60, NCDR [2.0b], "Aspirin")	1	U		DCID (3741) Medication Administration, Lab Visit
17	>>	CONTAINS	CODE	EV (61, NCDR [2.0b], "Clopidogrel/Ticlopidine")	1	U		DCID (3743) Clopidogrel/Ticlopidine Administration
18	>>	CONTAINS	TEXT	EV (122083, DCM, “Drug administered”)	1-n	U		
19	>	CONTAINS	CODE	EV (122138, DCM, "Circulatory Support")	1-n	U		DCID (3553) Circulatory Support
20	>	CONTAINS	CODE	EV (74, NCDR [2.0b], "Percutaneous Entry Site")	1	M		DCID (3746) Percutaneous Entry
21	>	CONTAINS	CODE	EV (75, NCDR [2.0b], "Closure Device")	1	U		DCID (3747) Percutaneous Closure

Content Item Descriptions

Row 3 Procedure Number (this admission) is specified as a numeric text string, and shall be treated as the ordinal of this catheterization procedure within the admission (i.e., “1” for the first catheterization, “2” for the second, etc.).

TID 3807 Percutaneous Coronary Intervention Procedure

This template describes the various aspects of a coronary intervention.

TID 3807
Percutaneous Coronary Intervention Procedure
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121064, DCM, "Current Procedure Descriptions")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (122061, DCM, “Percutaneous Coronary Intervention”)
3	>	CONTAINS	PNAME	EV (121114, DCM, "Performing Physician")	1	M		
4	>	CONTAINS	PNAME	EV (121088, DCM, "Fellow")	1-n	U		
5	>	CONTAINS	PNAME	DCID (7452) Organizational Roles	1-n	U		
6	>	CONTAINS	CODE	EV (G-C09C, SRT, “Procedure Priority”)	1	M		DCID (3414) Procedure Urgency
7	>	CONTAINS	CONTAINER	EV (121109, DCM, "Indications for Procedure")	1	U		
8	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3726) Indications for Coronary Intervention
9	>>	CONTAINS	CODE	EV (122172, DCM, "Acute MI Present")	1	U		DCID (230) Yes-No
10	>>>	HAS PROPERTIES	CODE	DT (122170, DCM, “Type of Myocardial Infarction”)	1	U		DCID (3723) MI Types
11	>>>	HAS PROPERTIES	DATETIME	EV (122173, DCM, "ST Elevation Onset DateTime")	1	U		
12	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	U		
13	>	CONTAINS	NUM	EV (122175, DCM, "Number of lesion interventions attempted")	1	M		UNITS = (1, UCUM, "units")
14	>	CONTAINS	NUM	EV (122176, DCM, "Number of lesion interventions successful")	1	M		UNITS = (1, UCUM, "units")
15	>	CONTAINS	CODE	EV (122177, DCM, "Procedure Result")	1	M		DCID (3749) PCI Procedure Result
16	>	CONTAINS	TEXT	EV (122177, DCM, "Procedure Result")	1	U		
17	>	CONTAINS	INCLUDE	DTID (3808) Lesion Intervention Information	1-n	M		

Content Item Descriptions

Rows 8 and 12 allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.

Similarly, rows 15 and 16 allow the recording of procedure results as either codes or as text, but not as both.

TID 3808 Lesion Intervention Information

TID 3808
Lesion Intervention Information
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122178, DCM, "Lesion Intervention Information")	1	M		
2	>	CONTAINS	INCLUDE	DTID (3105) Lesion Identification and Properties	1	M		
3	>	CONTAINS	CODE	EV (108, NDR [2.0b, "Previous Dilation")	1	U		DCID (3750) Previously Dilated Lesion
4	>	CONTAINS	CODE	EV (103, NDR [2.0b], “Guidewire crossing lesion")	1	U		DCID (3752) Guidewire Crossing
5	>	CONTAINS	CODE	EV (G-C50A, SRT, "Uses Equipment")	1-n	M		DCID (3411) Coronary Intervention Devices
6	>>	HAS CONCEPT MOD	CODE	EV (122111, DCM, "Primary Intervention Device")	1	MC	IF Device is Primary for this Lesion	DCID (230) Yes-No
7	>>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
8	>>	HAS PROPERTIES	NUM	DCID (3423) Numeric Device Characteristics	1-n	U		
9	>>	HAS PROPERTIES	NUM	DCID (3425) Intervention Parameters	1-n	U		
10	>>	HAS PROPERTIES	DATETIME	EV (122105, DCM, "DateTime of Intervention")	1	U		
11	>>	HAS PROPERTIES	NUM	EV (122106, DCM, “Duration of Intervention”)	1	U		UNITS = EV (s, UCUM, “s”)
12	>	CONTAINS	NUM	(R-101BB, SRT, “Lumen Diameter Stenosis”)	1	M		UNITS = EV (%, UCUM, "%")
13	>>	HAS CONCEPT MOD	CODE	EV (G-72BB, SRT, “Catheterization Procedure Phase”)	1	M		EV (G-7298, SRT, “Post-intervention Phase”)
14	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	U		DCID (3745) Calculation Method
15	>>		INCLUDE	DTID (1000) Quotation	1	U		
16	>	CONTAINS	CODE	EV (122110, DCM, "Post-Intervention TIMI Flow")	1	U		DCID (3713) TIMI Flow Characteristics
17	>	CONTAINS	CODE	EV (115, NCDR [2.0b], "Dissection in segment observed")	1	U		DCID (230) Yes-No
18	>	CONTAINS	CODE	EV (116, NCDR [2.0b], "Acute closure observed")	1	U		DCID (230) Yes-No
19	>	CONTAINS	CODE	EV (117, NCDR [2.0b], "Acute closure re-opened")	1	UC	IFF Row 18 value is <yes>	DCID (230) Yes-No
20	>	CONTAINS	CODE	EV (118, NCDR [2.0b], "Perforation occurred")	1	U		DCID (230) Yes-No
21	>	CONTAINS	IMAGE	DT (121080, DCM, "Best illustration of finding"	1	U		
22	>	CONTAINS	TEXT	DT (122177, DCM, "Procedure Result")	1	U		

TID 3809 Other Interventional Procedures

TID 3809
Other Interventional Procedures
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121064, DCM, "Current Procedure Descriptions")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		BCID (3406) Non-Coronary Transcatheter Interventions
3	>	CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1	U		
4	>	CONTAINS	CODE	DT (121065, DCM, "Procedure Description")	1	U		No BCID
5	>	CONTAINS	TEXT	DT (122177, DCM, "Procedure Result")	1	U		

Content Item Descriptions

Rows 3 and 4 allow the recording of procedure description as either code or as text; the same description shall not be recorded as both.

TID 3810 Cardiac Catheterization Findings

The Cardiac Catheterization Findings Template provides the structure for the diagnostic findings of the cath procedure, organized into sub-sections based on type of sub-procedure. It also provides for top-level summary findings and diagnoses.

TID 3810
Cardiac Catheterization Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	CONTAINS	INCLUDE	DTID (3812) Hemodynamic Findings	1	U		
3	>	CONTAINS	INCLUDE	DTID (3817) Coronary Arteriography Findings	1	U		
4	>	CONTAINS	INCLUDE	DTID (3814) Left Ventriculography Findings	1	U		
5	>	CONTAINS	INCLUDE	DTID (3815) Right Ventriculography Findings	1	U		
6	>	CONTAINS	INCLUDE	DTID (3818) Other Cardiographic Findings	1-n	U		
7	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3700) Cath Diagnosis
8	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
9	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	U		

Content Item Descriptions

Rows 7 and 9 allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.

TID 3812 Hemodynamic Findings

TID 3812
Hemodynamic Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (PA-50030, SRT, "Hemodynamic measurements")
3	>	CONTAINS	CODE	EV (121071, DCM, “Finding”)	1-n	U		DCID (3640) Hypertension
4	>>		INCLUDE	DTID (1350) “Negation Modifier, Presence of Finding”	1	U		
5	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
6	>	CONTAINS	CODE	DCID (3641) Hemodynamic Assessments	1-n	U		DCID (3642) Degree Findings
7	>>	HAS PROPERTIES	CODE	EV (G-C0B2, SRT, “Condition”)	1	U		EV (R-102B9, SRT, “Large v-wave”)
8	>	CONTAINS	CODE	EV (121071, DCM, “Finding”)	1	U		EV (R-102BA, SRT, “Diastolic pressure equalization”)
9	>	CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	U		$Report = DT (122120, DCM, “Hemodynamics Report”)

Content Item Descriptions

Row 4 (through DTID 3819 Common Findings Template) may be used to encode any significant hemodynamic numeric measurements. For reference, see Templates 3550 Pressure Waveform Measurements, and 3560 Derived Hemodynamic Measurements.

TID 3814 Left Ventriculography Findings

The information contained here about the left ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report. This template addresses findings about any ventricular septal defect (Row 7), the myocardial wall (Row 11), and about the aortic root (Row 16).

TID 3814
Left Ventriculography Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (P5-30041, SRT, "Left Ventriculography")
3	>	CONTAINS	CODE	EV (F-30117, SRT, “Left Ventricular Function - Finding”)	1	M		DCID (242) Normal-Abnormal
4	>		INCLUDE	TID (300) Measurement	1	M		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%") $Method = DCID (3748) Angiographic EF Testing Method $Derivation = DCID (3745) Calculation Method
5	>	CONTAINS	CODE	EV (F-0224E, SRT, "Left Ventricular Cavity Size")	1	U		DCID (3705) Chamber Size
6	>	CONTAINS	CODE	EV (F-02225, SRT, "Left Ventricular Contractility")	1	U		DCID (3706) Overall Contractility
7	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (D4-31159, SRT, "Ventricular Septal Defect")
8	>>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1	U		DCID (3707) VSD Description
9	>	CONTAINS	INCLUDE	DTID (3816) Ventricular Assessment	1	U		
10	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
11	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-D0772, SRT, ”Myocardial Wall”)
12	>>	CONTAINS	CODE	EV (LN, 18179-2, "Wall Segment”)	1-n	M		BCID (3717) Myocardial Wall Segments
13	>>>	HAS PROPERTIES	CODE	EV (F-32050, SRT, ”Cardiac Wall Motion”)	1	M		DCID (3703) Wall Motion
14	>>>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1	U		DCID (3704) Myocardium Wall Morphology Findings
15	>>>	HAS PROPERTIES	NUM	DT (G-C1E3, SRT, “Score”)	1	U		
16	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
17	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (F-04403, SRT, "Aortic Root")
18	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID (3709) Aortic Root Description

TID 3815 Right Ventriculography Findings

The information contained here about right ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report.

TID 3815
Right Ventriculography Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (P5-3003F, SRT, "Right Ventriculography")
3	>		INCLUDE	TID (300) Measurement	1	M		$Measurement = EV (10231-9, LN, "RV Ejection Fraction")) $Units = EV (%, UCUM, "%") $Method = DCID (3748) Angiographic EF Testing Method $Derivation = DCID (3745) Calculation Method
4	>	CONTAINS	CODE	EV (F-022A1, SRT, "Right Ventricular Cavity Size")	1	U		DCID (3705) Chamber Size
5	>	CONTAINS	CODE	EV (F-0227A, "Right Ventricular Contractility")	1	U		DCID (3706) Overall Contractility
6	>	CONTAINS	INCLUDE	DTID (3816) Ventricular Assessment	1	U		

TID 3816 Ventricular Assessment

TID 3816
Ventricular Assessment
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DCID (3701) Cardiac Valves and Tracts
3	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID (3711) Valvular Abnormalities
4	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
5	>>	HAS PROPERTIES	NUM	DT (G-C1E3, SRT, “Score”)	1	U		
6		CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	U		$Report = DT (122292, DCM, “Quantitative Ventriculography Report”)

TID 3817 Coronary Arteriography Findings

The information contained here about with regards to coronary artery lesions is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Coronary Arteriography report. This template addresses findings about the individual arteries (Row 4), and about individual lesions (Row 9).

TID 3817
Coronary Arteriography Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (P5-30100, SRT, "Coronary Arteriography")
3	>	CONTAINS	CODE	EV (68, NCDR[2.0b], "Coronary Dominance")	1	U		DCID (3710) Coronary Dominance
4	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
5	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		BCID (3015) Coronary Arteries
6	>>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical modifier”)	1	U		BCID (3019) Cardiovascular Anatomic Location Modifiers
7	>>	CONTAINS	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		DCID (3712) Vessel Descriptors
8	>>	CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	U		
9	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
10	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”")	1	M		DT (R-002EF, SRT, "Coronary artery lesion (culprit)")
11	>>	CONTAINS	INCLUDE	DTID (3105) Lesion Identification and Properties	1	M		
12	>>	CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	U		$Report = DT (122291, DCM, “Quantitative Arteriography Report”)

TID 3818 Other Cardiographic Findings

TID 3818
Other Cardiographic Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		BCID (3428) Imaging Procedures
3	>	HAS CONCEPT	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	U		BCID (3630) Cardiovascular

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
		MOD						Anatomic Locations
4	>	CONTAINS	INCLUDE	DTID (3819) Common Findings	1-n	M		

TID 3819 Common Findings

TID 3819 Parameters

Parameter Name	Parameter Usage
$Report	Title of composite object (evidence document) referenced

TID 3819
Common Findings
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121071, DCM, "Finding")	1	U		
2			IMAGE	DT (121080, DCM, "Best illustration of finding")	1	U		
3			NUM	No BCID	1	U		
4	>		INCLUDE	DTID (1000) Quotation	1	U		
5			COMPOSITE	DT (122073, DCM, "Current procedure evidence")	1	U		
6	>	HAS PROPERTIES	CODE	EV (121144, DCM, “Document Title")	1	U		$Report

Content Item Descriptions

Row 3 may be used to encode any significant image- or waveform-based numeric measurements, with post-coordination of the Concept Name using child Content Items (with relationship HAS CONCEPT MOD), as permitted by Section 6.2.4. The source of the measurement may be noted using the Quotation Template in Row 4.

TID 3820 Adverse Outcomes, Cath

TID 3820
Adverse Outcomes, Cath
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121113, DCM, "Complications")	1	M		
2	>	CONTAINS	CODE	EV (DD-60002, SRT, "Complication of Procedure")	1-n	U		DCID (3755) Cath Complications

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>>	HAS CONCEPT MOD	CODE	EV (G-D709, SRT, "Relative Time")	1	U		DCID (12102) Temporal Periods Relating to Procedure or Therapy
4	>	CONTAINS	CODE	EV (DD-60002, SRT, "Complication of Procedure")	1-n	U		DCID (3754) Vascular Complications
5	>>	HAS CONCEPT MOD	CODE	EV (G-D709, SRT, "Relative Time")	1	U		DCID (12102) Temporal Periods Relating to Procedure or Therapy
6	>	CONTAINS	TEXT	EV (DD-60002, SRT, "Complication of Procedure")	1-n	U		
7	>	CONTAINS	CODE	EV (122179, DCM, "Peri-procedural MI occurred")	1	U		DCID (230) Yes-No
8	>>	INFERRED FROM	NUM	EV (122181, DCM, "CK-MB peak")	1	U		UNITS = EV ([iU], UCUM, "International unit")
9	>>>	HAS PROPERTIES	NUM	EV (R-0038B, SRT, "Normal Range Upper Limit")	1	M		UNITS = EV ([iU], UCUM, "International unit")
10	>>	INFERRED FROM	NUM	EV (122180, DCM, "CK-MB baseline")	1	M		UNITS = EV ([iU], UCUM, "International unit")
11	>	CONTAINS	IMAGE	DT (121080, DCM, "Best illustration of finding"	1-n	U		

Content Item Descriptions

Rows 2, 3 and 4 allow the recording of outcomes as either codes or as text; the same outcome shall not be recorded as both.

TID 3824 Summary, Cath

TID 3824
Summary, Cath
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID (3728) Cath Findings
3	>>	HAS PROPERTIES	CODE	EV (G-C197, SRT, "Severity")	1	U		DCID (3716) Severity
4	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
5	>	CONTAINS	TEXT	EV (121075, DCM, "Recommendation")	1-n	U		

TID 3828 Discharge Summary, Cath

TID 3828
Discharge Summary, Cath
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121115, DCM, "Discharge Summary")	1	M		
2	>	CONTAINS	DATETIME	EV (122163, DCM, "Discharge DateTime")	1	U		
3	>	CONTAINS	CODE	EV (122164, DCM, "Coronary Artery Bypass During This Admission")	1	U		DCID (230) Yes-No
4	>>	HAS PROPERTIES	CODE	EV (G-C09C, SRT, “Procedure Priority”)	1	U		BCID (3414) Procedure Urgency
5	>>	HAS PROPERTIES	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	U		
6	>	CONTAINS	CODE	EV (122166, DCM, "Death During This Admission")	1	U		DCID (230) Yes-No
7	>>	HAS PROPERTIES	DATETIME	EV (122165, DCM, "Date of Death")	1	U		
8	>>	HAS PROPERTIES	CODE	EV (25, NCDR [2.0b], "Primary Cause of Death")	1	U		DCID (3733) Primary Cause of Death
9	>>	HAS PROPERTIES	CODE	EV (122167, DCM, “Death During Catheterization")	1	U		DCID (230) Yes-No
10	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		

TID 3829 Problem Properties

TID 3829 Parameters

Parameter Name	Parameter Usage
$Problem	Coded Value or Context Group for problem
$ModType	Modifier Name for Concept Name of problem
$ModValue	Modifier Value for Concept Name of problem
$Therapy	Coded Value or Context Group for therapy received for problem
$Stage	Coded Value or Context Group for problem or disease stage

TID 3829
Problem Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV(121430, DCM,“Concern”)	1	M		
2	>	CONTAINS	DATETIME	DT (121431, DCM, “DateTime Concern Noted”)	1	U		
3	>	CONTAINS	DATETIME	DT (121432, DCM, “DateTime Concern Resolved”)	1	U		
4	>	CONTAINS	CODE	DCID (3769) Concern Types	1	M		$Problem

5	>>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
6	>>	HAS PROPERTIES	DATETIME	DT (111526, DCM, “DateTime Started”)	1	U		
7	>>	HAS PROPERTIES	DATETIME	DT (121433, DCM, “DateTime Problem Resolved”)	1	U		
8	>>	HAS PROPERTIES	CODE	DT (33999-4, LN, “Status”)	1	U		DCID (3770) Problem Status
9	>>	HAS PROPERTIES	CODE	DT (G-C197, SRT, “Severity”)	1	U		DCID (3716) Severity
10	>>	HAS PROPERTIES	CODE	DT (G-C16B, SRT, “Stage”)	1	U		$Stage
11	>	CONTAINS	CODE	DT (11323-3, LN, “Health status”)	1	U		DCID (3772) Health Status
12	>	CONTAINS	CODE	EV (P0-0000E, SRT, "Therapy")	1-n	U		$Therapy
13	>>	HAS PROPERTIES	CODE	DT (33999-4, LN, “Status”)	1	U		DCID (3773) Use Status
14	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		

TID 3830 Procedure Properties

TID 3830 Parameters

Parameter Name	Parameter Usage
$ProcType	Coded Value for class of procedure
$Procedure	Coded Value or Context Group for procedure
$ModType	Modifier Name for Concept Name of procedure
$ModValue	Modifier Value for Concept Name of procedure

TID 3830
Procedure Properties
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	$ProcType	1	M		$Procedure
2	>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
3	>	HAS PROPERTIES	DATETIME	DT (111526, DCM, “DateTime Started”)	1	U		
4	>	HAS PROPERTIES	COMPOSITE	EV (R-42B89, SRT, "Clinical Report")	1-n	U		
5	>>	HAS PROPERTIES	CODE	EV (121144, DCM, “Document Title")	1	U		
6	>	HAS PROPERTIES	TEXT	EV (R-42B89, SRT, "Clinical Report")	1-n	U		Description of report with URL or other reference for report
7	>	HAS PROPERTIES	TEXT	DT (121434, DCM, “Service Delivery Location”)	1	U		
8	>	HAS PROPERTIES	PNAME	DT (121435, DCM, “Service Performer”)	1	UC	IF Service Performer is a person	

9	>	HAS PROPERTIES	TEXT	DT (121435, DCM, “Service Performer”)	1	UC	IF Service Performer is an organization	
10	>	HAS PROPERTIES	TEXT	EV (121106, DCM, “Comment”)	1	U		

TID 3831 Medical Device Use

TID 3831 Parameters

Parameter Name	Parameter Usage
$Device	Coded Value for type of device

TID 3831
Medical Device Use
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV(121436, DCM, “Medical Device Used”)	1	M		$Device
2	>	HAS PROPERTIES	DATETIME	DT (111526, DCM, “DateTime Started”)	1	U		
3	>	HAS PROPERTIES	DATETIME	DT (111527, DCM, “DateTime Ended”)	1	U		
4	>	HAS PROPERTIES	CODE	DT (33999-4, LN, “Status”)	1	U		DCID (3773) Use Status
5	>	HAS PROPERTIES	TEXT	EV (121106, DCM, “Comment”)	1	U		

CT/MR CARDIOVASCULAR ANALYSIS REPORT TEMPLATES

TID 3900 CT/MR Cardiovascular Analysis Report

Root Template of the Non-invasive Computed Tomography and Magnetic Resonance Cardiovascular Analysis Report.

This template contains the top level structure and includes sub-templates for the various analyses.

TID 3900
CT/MR Cardiovascular Analysis Report
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122600, DCM, “Cardiovascular Analysis Report”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(121058, DCM, "Procedure Reported")	1-n	M		DCID(3820) Non-invasive Vascular Procedures
3	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID (1001) Observation Context	1	M		
5	>	CONTAINS	INCLUDE	DTID (3602) Cardiovascular Patient Characteristics	1	U		
6	>	CONTAINS	INCLUDE	DTID (3802) Patient History, Cardiovascular	1	U		
7	>	CONTAINS	INCLUDE	DTID (3901) Procedure Summary	1	U		
8	>	CONTAINS	INCLUDE	DTID (3902) Vascular Analysis	1	U		$AnalysisPerformed = EV(122605, DCM, "Vascular Morphological Analysis")
9	>	CONTAINS	INCLUDE	DTID (3902) Vascular Analysis	1	U		$AnalysisPerformed = EV(122606, DCM, "Vascular Functional Analysis")
10	>	CONTAINS	INCLUDE	DTID (3920) Ventricular Analysis	1	U		
11	>	CONTAINS	INCLUDE	DTID (3927) Report Summary	1-n	U		

TID 3901 Procedure Summary

Contains summaries related to the performed procedures.

TID 3901
Procedure Summary
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV(121064, DCM, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	TEXT	EV(121065, DCM, "Current Procedure Description")	1-n	M		

TID 3902 Vascular Analysis

Contains either morphological or functional vascular measurement results of an analysis

TID 3902
Vascular Analysis
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(111004, DCM, "Analysis Performed")	1	M		$AnalysisPerformed
3	>	CONTAINS	INCLUDE	DTID (3905) Calcium Scoring Results	1	UC	IFF the value of row 2 equals EV(122605, DCM, "Vascular Morphological Analysis")	
4	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12105) Intracranial Cerebral Vessels $AnalysisPerformed = $AnalysisPerformed
5	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12105) Intracranial Cerebral Vessels $AnalysisPerformed = $AnalysisPerformed
6	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head” $SectionLaterality = EV (G-A103, SRT, ”Unilateral”) $Anatomy = DCID (12106) Unpaired Intracranial Cerebral Vessels (unilateral) $AnalysisPerformed = $AnalysisPerformed
7	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-45005, SRT, ”Artery of Neck”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12104) Extracranial Arteries $AnalysisPerformed = $AnalysisPerformed
8	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-45005, SRT, ”Artery of Neck”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12104) Extracranial Arteries $AnalysisPerformed = $AnalysisPerformed
9	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-47040, SRT, ”Artery of Lower Extremity ”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12109) Lower Extremity Arteries $AnalysisPerformed = $AnalysisPerformed
10	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-47040, SRT, ”Artery of Lower Extremity ”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12109) Lower Extremity Arteries $AnalysisPerformed = $AnalysisPerformed
11	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-49403, SRT, ”Vein of Lower Extremity”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12110) Lower Extremity Veins $AnalysisPerformed = $AnalysisPerformed
12	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-49403, SRT, ”Vein of Lower Extremity”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12110) Lower Extremity Veins $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-47020, SRT, "Artery of Upper Extremity") $SectionLaterality = EV (G-A101, SRT, "Left") $Anatomy = DCID (12107) Upper Extremity Arteries $AnalysisPerformed = $AnalysisPerformed
14	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-47020, SRT, "Artery of Upper Extremity") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12107) Upper Extremity Arteries $AnalysisPerformed = $AnalysisPerformed
15	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-49103, SRT, "Vein of Upper Extremity") $SectionLaterality = EV (G-A101, SRT, "Left") $Anatomy = DCID (12108) Upper Extremity Veins $AnalysisPerformed = $AnalysisPerformed
16	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-49103, SRT, "Vein of Upper Extremity") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12108) Upper Extremity Veins $AnalysisPerformed = $AnalysisPerformed
17	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-71019, SRT, "Vascular Structure of Kidney") $SectionLaterality = EV (G-A101, SRT, "Left") $Anatomy = DCID (12115) Renal Vessels $AnalysisPerformed = $AnalysisPerformed
18	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-71019, SRT, "Vascular Structure of Kidney") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12115) Renal Vessels $AnalysisPerformed = $AnalysisPerformed
19	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-46002, SRT, "Artery of Abdomen") $SectionLaterality = EV(G-A101, SRT, "Left") $Anatomy = DCID (12111) Abdominal Arteries (lateral) $AnalysisPerformed = $AnalysisPerformed
20	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-46002, SRT, "Artery of Abdomen") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12111) Abdominal Arteries (lateral) $AnalysisPerformed = $AnalysisPerformed
21	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-46002, SRT, "Artery of Abdomen") $SectionLaterality = EV (G-A103, SRT, "Unilateral") $Anatomy = DCID (12112) Abdominal Arteries (unilateral) $AnalysisPerformed = $AnalysisPerformed
22	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-487A0, SRT, "Vein of Abdomen") $SectionLaterality = EV (G-A101, SRT, "Left") $Anatomy = DCID (12113) Abdominal Veins (lateral) $AnalysisPerformed = $AnalysisPerformed
23	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-487A0, SRT, "Vein of Abdomen") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12113) Abdominal Veins (lateral) $AnalysisPerformed = $AnalysisPerformed
24	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-487A0, SRT, "Vein of Abdomen") $SectionLaterality = EV (G-A103, SRT,

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								”Unilateral”) $Anatomy = DCID (12114) Abdominal Veins (unilateral) $AnalysisPerformed = $AnalysisPerformed
25	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT (T-44000, SRT, ”Pulmonary Artery Structure”) $SectionLaterality = EV (G-A103, SRT, ”Unilateral”) $Anatomy = DCID (3829) Pulmonary Arteries $AnalysisPerformed = $AnalysisPerformed
26	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-43000, SRT, "Coronary Artery Structure") $Anatomy = DCID(3015) Coronary Arteries $AnalysisPerformed = $AnalysisPerformed
27	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-48400, SRT, "Cardiac Vein Structure") $Anatomy = DCID(3839) Coronary Veins $AnalysisPerformed = $AnalysisPerformed
28	>	CONTAINS	INCLUDE	DTID (3906) Vascular Section Measurements	1-n	U		$VascularSection = DT(T-48581, SRT, "Pulmonary Venous Structure") $Anatomy = DCID(3840) Pulmonary Veins $AnalysisPerformed = $AnalysisPerformed

TID 3905 Calcium Scoring Results

Contains the calcium scoring results related to plaque findings, vessels or the whole body.

TID 3905
Calcium Scoring Results
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	CONTAINS	CODE	EV(111004, DCM, "Analysis Performed")	1	M		EV(122603, DCM, "Calcium Scoring Analysis")
3	>	CONTAINS	NUM	EV(122657, DCM, "Agatston Score Threshold")	1	U		Units= DT([hnsf´U], UCUM, "Hounsfield unit")
4	>	CONTAINS	NUM	EV(122658, DCM, "Calcium Mass Threshold")	1	U		Units= DT(mg/cm3, UCUM, "mg/cm^3")
5	>	CONTAINS	NUM	EV(122659, DCM, "Calcium Scoring Calibration")	1	U		Units= DT(mg/[hnsf´U]cm3), UCUM, "mg/[hnsf´U]cm^3")
6	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement=EV(112058, DCM, "Calcium Score") $Method=EV(112055, DCM, "Agatston Scoring Method") $Units= DT (1, UCUM, "no units")
7	>	CONTAINS	NUM	EV(122660, DCM, "Calcium Volume")	1	U		Units= UCUM(mm3, UCUM, "mm^3")
8	>	CONTAINS	NUM	EV(122661, DCM, "Calcium Mass")	1	U		Units= UCUM(mg, UCUM, "mg")
9	>	CONTAINS	NUM	EV(F-02A3B, SRT, "Number of Lesions")	1	U		Units= DT ({lesions}, UCUM, "lesions")
10	>	CONTAINS	INCLUDE	DTID (3909) Best illustration of findings	1-n	U		

TID 3906 Vascular Section Measurements

Sections of vascular measurements are section containers of an anatomical region consisting of measurement group containers containing the measurements.

Parameter Name	Parameter Usage
$VascularSection	The concept name of the region or structure of which the anatomy is part
$SectionLaterality	The laterality (if any) of the anatomy in this section heading
$Anatomy	The concept name of the vascular anatomy
$AnalysisPerformed	The context of the measurements performed during the analysis

TID 3906
Vascular Section Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	$VascularSection	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality”)	1	MC	IFF $SectionLaterality has a value	$SectionLaterality
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	HAS CONCEPT MOD	CODE	EV(G-C0E3, SRT, "Finding Site")	1	M		$Anatomy
5	>>	CONTAINS	CODE	EV(122686, DCM, “Parent Vessel Finding”)	1-n	U		DCID(3810) Vascular Morphology
6	>>>		INCLUDE	DTID (1350) Negation Modifier, Presence of Finding	1	U		
7	>>	CONTAINS	INCLUDE	DTID (3905) Calcium Scoring Results	1	UC	IF the value of $AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis")	
8	>>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
9	>>>	HAS CONCEPT MOD	CODE	EV (125101, DCM, “Vessel Branch”)	1-n	UC	IF concept value of row 4 is not equal to (T-43000, SRT, "Coronary Artery Structure")	DCID (12117) Vessel Branch Modifiers
10	>>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical Modifier”)	1	UC	IF concept value of row 4 is not equal to (T-43000, SRT, "Coronary Artery Structure")	DCID (12116) Vessel Segment Modifiers
11	>>>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical Modifier”)	1	UC	IF concept value of row 4 equals (T-43000, SRT, "Coronary Artery Structure")	DCID(3019) Cardiovascular Anatomic Location Modifiers
12	>>>	CONTAINS	INCLUDE	DTID (3907) Vessel Measurements	1	U		
13	>>>	CONTAINS	INCLUDE	DTID (3908) Vascular Lesion	1-n	UC	IF the value of $AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis")	
14	>>>	CONTAINS	INCLUDE	DTID (3910) Flow Quantification	1	UC	IF the value of $AnalysisPerformed equals (122606, DCM, "Vascular Functional Analysis")	

Content Item Descriptions

Row 3	This Findings container allows an application to group related vessels or branches
Row 5	The characteristics associated with the parent vessel shall also be reported in the findings Container for the parent vessel. Negative findings (characteristics not present) need not be reported in the parent vessel Container.

TID 3907 Vessel Measurements

Contains measurements made on vessel level.

TID 3907
Vessel Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	NUM	EV(R-101BB, SRT, “Lumen Diameter Stenosis“)	1	U		UNITS=DT(%,UCUM, “%”)
2		CONTAINS	NUM	EV(R-101BA, SRT, “Lumen Area Stenosis“)	1	U		UNITS=DT(%,UCUM, “%”)
3		CONTAINS	NUM	EV(121206, DCM, ”Distance”)	1-n	U		UNITS=DT(mm, UCUM, “mm”)
4	>	HAS CONCEPT MOD	CODE	EV(122340, DCM, “Fiducial Feature”)	2	M		
5	>>	HAS CONCEPT MOD	CODE	EV(G-C171, SRT, “Laterality”)	1	U		DCID(244) Laterality
6	>		INCLUDE	DTID (320) Image or Spatial Coordinates	1	U		
7		CONTAINS	NUM	EV(G-0364, SRT, "Vessel Lumen Diameter")	1-n	U		UNITS=DT(mm, UCUM, "mm")
8	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	U		DCID(3488) Min/Max/Mean
9	>	HAS CONCEPT MOD	NUM	EV(122337, DCM, "Relative Position”)	1	U		Units=EV(mm, UCUM, "mm")
10	>>	HAS CONCEPT MOD	CODE	EV(122340, DCM, "Fiducial Feature")	1	M		DCID(3837) Fiducial Feature

Content Item Descriptions

Rows 3-5	The distance between two identified fiducial features
Rows 7-10	Measurement of vessel diameter made at a position relative to a fiducial feature
Row 9	A positive value indicates a distance in the direction of flow within the vessel

TID 3908 Vascular Lesion

Specifies properties and the features of a vascular lesion deteced during the analysis. In addition it is possible to reference or include growing of lesions over time by adding references to previous reports or by adding previous examination results.

TID 3908
Vascular Lesion
Type: Extensible

- Standard -

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV(F-00585, SRT, "Lesion Finding")	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		
3	>	CONTAINS	INCLUDE	DTID (3909) Best Illustration of Findings	1-n	U		
4	>	CONTAINS	TEXT	EV(121106, DCM, "Comment")	1-n	U		
5	>	CONTAINS	NUM	EV(122337, DCM, "Relative Position")	1	U		Units=EV(mm, UCUM, "mm")
6	>>	HAS CONCEPT MOD	CODE	EV(122340, DCM, "Fiducial Feature")	1	M		DCID(3837) Fiducial Feature
7	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(G-0364, SRT, "Vessel Lumen Diameter") $Derivation=DCID (3838) Diameter Derivation $FindingSite=DCID(3486) IVUS Measurement Sites $Units=DT(mm, UCUM, "mm")
8	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area") $Derivation=DCID (3838) Diameter Derivation $FindingSite=DCID(3486) IVUS Measurement Sites $Units=DT(mm2, UCUM, "mm^2")
9	>	CONTAINS	CODE	EV(G-C504, SRT, "Associated Morphology")	1-n	M		DCID(3810) Vascular Morphology
10	>>		INCLUDE	DTID(3909) Best Illustration of Findings	1-n	U		
11	>>	HAS PROPERTIES	TEXT	EV(121106, DCM, "Comment")	1-n	U		
12	>>		INCLUDE	DTID(3911) Plaque Properties	1	MC	IFF value of row 9 equals (M-01470, SRT, "Plaque")	
13	>>		INCLUDE	DTID(3912) Stenosis Properties	1	MC	IFF value of row 9 equals (M-34200, "Stenosis")	
14	>>		INCLUDE	DTID(3913) Aneurysm Properties	1	MC	IFF value of row 9 equals (M-32200, SRT, "Aneurysm")	
15	>>		INCLUDE	DTID(3914) Dissection Properties	1	MC	IFF value of row 9 equals (D3-81310, SRT, "Arterial Dissection")	
16	>>	HAS PROPERTIES	CODE	EV(G-C504, SRT, "Associated Morphology")	1	MC	IFF value of row 9 equals (M-520F8, SRT, "Vascular Sclerosis")	DCID (3817) Vascular Sclerosis Types
17	>>		INCLUDE	DTID(3915) Vascular Occlusion Properties	1	MC	IFF value of row 9 equals EVM-34000, SRT, "Occlusion")	
18	>>		INCLUDE	DTID(3916) Stent Properties	1	MC	IFF value of row 9 equals (A-25500, SRT, "Stent")	

Content Item Descriptions

Row	Description
Row 5	A positive value indicates a distance in the direction of flow within the vessel For example: An aneurysm with relative position -4 mm from the renal arteries would begin superior to the renal arteries.
Row 7, 8	These rows are associated with the position of the most significant effect of the lesion, i.e. maximum diameter of aneurysm or the minimum diameter of stenosis

TID 3909 Best Illustration of Findings

Specification of images, waveforms, spatial and temporal coordinates used to illustrate findings.

TID 3909
Best Illustration of Findings
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	IMAGE	EV (121080, DCM, "Best illustration of finding")	1	U		
2		CONTAINS	WAVEFORM	EV (121080, DCM, "Best illustration of finding")	1	U		
3		CONTAINS	SCOORD	EV (121080, DCM, "Best illustration of finding")	1	U		
4	>	SELECTED FROM	IMAGE	no purpose of reference	1	M		
5		CONTAINS	TCOORD	EV (121080, DCM, "Best illustration of finding")	1	U		
6	>	SELECTED FROM	SCOORD	no purpose of reference	1	MC	XOR row 8, 9	
7	>>	SELECTED FROM	IMAGE	no purpose of reference	1	MC		must be a multiframe image
8	>	SELECTED FROM	WAVEFORM	no purpose of reference	1	MC	XOR row 6, 9	
9	>	SELECTED FROM	IMAGE	no purpose of reference	1	MC	XOR row 6, 8	must be a multiframe image

TID 3910 Flow Quantification

Contains the flow quantification measurement results

TID 3910
Flow Quantification
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(111004, DCM, "Analysis Performed")	1	M		EV (122604, DCM, "Flow Quantification")
3	>	HAS OBS CONTEXT	INCLUDE	DTID(3929) Cardiovascular Analysis Observation Context	1	U		
4	>	HAS OBS CONTEXT	DATETIME	EV(G-D321, SRT, "Start Time")	1	M		
5	>	HAS OBS CONTEXT	DATETIME	EV(G-D320, SRT, "Stop Time")	1	M		
6	>	CONTAINS	INCLUDE	DTID(3990) 2-Dimensional Measurement Graph	1	U		$MeasurementGraph = EV(122667, DCM, "Blood velocity vs. time of cardiac cycle") $X-Concept = EV(122666, DCM, "Time relative to R-wave peak") $Y-Concept = EV(F-0319E, SRT, "Arterial Velocity") $X-AxisUnits= DT(ms, UCUM, "ms") $Y-AxisUnits= DT(cm/s, UCUM, "cm/s")
7	>	CONTAINS	NUM	EV(122642, DCM, "Velocity Encoding Minimum Value")	1	U		Units = DT(cm/s, UCUM, "cm/s")
8	>	CONTAINS	NUM	EV(122643, DCM,	1	U		Units = DT(cm/s, UCUM, "cm/s")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				"Velocity Encoding Maximum Value")				
9	>	CONTAINS	CONTAINER	EV(125007, DCM, "Measurement Group")	1-n	M		
10	>>	HAS CONCEPT MOD	TEXT	EV(G-C0E3, SRT, "Finding Site")	1	MC	XOR row 11	
11	>>	HAS CONCEPT MOD	CODE	EV(G-C0E3, SRT, "Finding Site")	1	MC	XOR row 10	
12	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122207, DCM, "Blood Velocity, Peak") $Units = DT(cm/s, UCUM, "cm/s")
13	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122205, DCM, "Blood Velocity, Mean") $Units = DT(cm/s, UCUM, "cm/s")
14	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-39200, SRT, "Blood Flow") $Derivation = EV(R-00317, SRT, "Mean") $Units = DT(ml/s, UCUM, "ml/s"")
15	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1-2	U		$Measurement = EV(F-39200, SRT, "Blood Flow") $ModType = EV(G-C048, SRT, “Direction of flow”) $ModValue = DCID(12221) Flow Direction $Units = DT(ml/s, UCUM, "ml/s")
16	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122645, DCM, "Net Forward Volume") $Units = DT(ml, UCUM, "ml")
17	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122645, DCM, "Net Forward Volume") $ModType=EV(121425, DCM, "Index") $ModValue= DT(8277-6, LN, “BSA”) $Units = (ml/m2, UCUM, "ml/m^2")
18	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area") $Derivation = DCID (3488) Min/Max/Mean $Units = DT(mm2, UCUM, "mm^2")

TID 3911 Plaque Properties

Properties of a plaque finding

TID 3911
Plaque Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	NUM	EV(122376, DCM, "Total Plaque Volume")	1	U		Units=DT(mm3,UCUM,"mm^3")
2		HAS PROPERTIES	CODE	EV(G-A428, SRT, "Margin")	1	U		DCID(3715) Lesion Morphology
3		HAS PROPERTIES	CODE	EV(M-01000, SRT, "Morphological Abnormal Structure")	1-n	M		DCID(3802) Plaque Structures
4		HAS PROPERTIES	INCLUDE	DTID (3905) Calcium Scoring Results	1	U		
5		HAS PROPERTIES	CODE	EV(121071, DCM, "Finding")	1	U		DT(R-102DA, SRT, "Contrast Media Seen in Plaque")

TID 3912 Stenosis Properties

Properties of a stenosis finding

TID 3912
Stenosis Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV(G-C036, SRT, "Measurement method")	1	M		DCID(3804) Stenosis Measurement Methods
2		HAS PROPERTIES	CODE	EV(G-D775, SRT, "Type of Stenosis")	1	U		DCID(3805) Stenosis Types
3		HAS PROPERTIES	CODE	EV(G-C002, SRT, "Associated with")	1	U		DCID(3815) Source of Vascular Finding
4		HAS PROPERTIES	CODE	EV(G-C2FE, SRT, "Shape")	1	U		DCID(3806) Stenosis Shapes
5		HAS PROPERTIES	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(G-0364, SRT, "Vessel Lumen Diameter") $Derivation= DCID(3488) Min/Max/Mean $Units=DT(mm, UCUM, "mm")
6		HAS PROPERTIES	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area") $Derivation= DCID(3488) Min/Max/Mean $Units=DT(mm2,UCUM, "mm^2")
7		HAS PROPERTIES	NUM	EV(R-101BC, SRT, "Stenotic Lesion Length")	1	U		Units=DT(mm, UCUM, "mm")
8		HAS PROPERTIES	CODE	EV(R-101BC, SRT, "Stenotic Lesion Length")	1	U		DCID(3831) Stenosis Length
9		HAS PROPERTIES	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(R-101BA, SRT, "Lumen Area Stenosis") $Derivation= DCID(3488) Min/Max/Mean $Units=DT(%,UCUM, “%")
10		HAS PROPERTIES	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement= EV(R-101BB, SRT, "Lumen Diameter stenosis") $Derivation= DCID(3488) Min/Max/Mean $Units=DT(%,UCUM, “%")
11		HAS PROPERTIES	CODE	EV(R-101BA, SRT, "Lumen Area Stenosis")	1-n	U		DCID(3832) Stenosis Grade
12	>	HAS CONCEPT MOD	CODE	EV(121401, DCM, "Derivation")	1	M		DCID(3488) Min/Max/Mean
13		HAS PROPERTIES	CODE	EV(R-101BB, SRT, “Lumen Diameter Stenosis“)	1-n	U		DCID(3832) Stenosis Grade
14	>	HAS CONCEPT MOD	CODE	EV(121401, DCM, "Derivation")	1	M		DCID(3488) Min/Max/Mean

TID 3913 Aneurysm Properties

Properties of an aneurysm finding

TID 3913
Aneurysm Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV(G-C504, SRT, "Associated Morphology")	1-n	M		DCID (3808) Aneurysm Types
2		HAS PROPERTIES	CODE	EV(G-C002, SRT, "Associated with")	1	U		DCID(3815) Source of Vascular Finding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		PROPERTIES		"Associated with")				
3		HAS PROPERTIES	INCLUDE	DTID(3917) Aneurysm Measurements	1	U		
4		HAS PROPERTIES	CODE	EV(G-C504, SRT, "Associated Morphology")	1-n	UC	IFF value of row 1 equals (M-32206, SRT, "Compound Aneurysm")	DCID (3808) Aneurysm Types
5	>	HAS PROPERTIES	INCLUDE	DTID(3917) Aneurysm Measurements	1	U		

TID 3914 Arterial Dissection Properties

Properties of a arterial dissection finding

TID 3914
Arterial Dissection Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV(122387, DCM, "Dissection Classification")	1	M		DCID(3492) IVUS Dissection Classification
2		HAS PROPERTIES	CODE	EV(G-C150, SRT, "Etiology")	1	U		DCID(3809) Associated Conditions
3		HAS PROPERTIES	NUM	EV(G-A22A, SRT, "Length")	1	U		Units= DT(mm, UCUM, "mm")
4		HAS PROPERTIES	CODE	EV(R-102DD, SRT, "Anatomic structure potentially involved in evolution of disease")	1-n	U		DCID(3827) Vessel Segments

TID 3915 Vascular Occlusion Properties

Properties of vascular occlusion finding

TID 3915
Vascular Occlusion Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV(G-D775, SRT, "Type of Stenosis")	1	M		DCID(3805) Stenosis Types
2		HAS PROPERTIES	CODE	EV(G-C002, SRT, "Associated with")	1	U		DCID(3815) Source of Vascular Finding
3		HAS PROPERTIES	CODE	EV(G-C2FE, SRT, "Shape")	1	U		DCID(3806) Stenosis Shapes
4		HAS PROPERTIES	INCLUDE	DTID(300) Measurement	1	U		$Measurement=EV(R-101BC, SRT, "Stenotic Lesion Length") $Method= DCID(3804) Stenosis Measurement Methods $Units=DT(mm, UCUM, "mm")

TID 3916 Stent Properties

Properties of a stent finding

TID 3916
Stent Properties
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV(155, DCM, "Stent Composition")	1-n	M		DCID(38014) Stent Composition
2		HAS PROPERTIES	NUM	EV(R-101AD, SRT, "Vascular Stent Diameter")	1	U		Units= DT(mm, UCUM, "mm")
3		HAS PROPERTIES	NUM	EV(R-101B0, SRT, "Vascular Stent Length")	1	U		Units= DT(mm, UCUM, "mm")
4		HAS PROPERTIES	CODE	EV(121071, DCM, "Finding")	1-n	U		DCID(3813) Stent Findings
5	>		INCLUDE	DTID(3912) Stenosis Properties	1	MC	IFF value of row 4 equals (M-34200, SRT, "Stenosis")	

TID 3917 Aneurysm Measurements

Measurements of aneurysms. TID 300 invoked from this template alllows the measurement to reference an image used as the source of the measurement.

TID 3917
Aneurysm Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(G-A22A, SRT, "Length") $ModType = EV(G-C093, SRT, ”Extent”) $ModValue = DT(G-A143, SRT, ”Longitudinal”) $Units=DT(mm, UCUM, "mm")
2			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(G-D705, SRT, "Volume") $Method= DCID(3807) Volume Measurement Methods $Units=DT(mm3, UCUM, "mm^3")
3			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(R-102DB, SRT, "Vessel Lumen Cross-Sectional Area Increase") $Units=DT(%, UCUM, “%")
4			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(R-102DB, SRT, "Vessel Lumen Cross-Sectional Area Increase") $Units=DT(mm2, UCUM, "mm^2")
5			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(R-102DC, SRT, "Vessel Lumen Cross-Sectional Diameter Increase") $Units=DT(%, UCUM, “%")
6			INCLUDE	DTID(300) Measurement	1	U		$Measurement= EV(R-102DC, SRT, "Vessel Lumen Cross-Sectional Diameter Increase") $Units=DT(mm, UCUM, "mm")

TID 3920 Ventricular Analysis

Contains the ventricular functional measurement results.

TID 3920
Ventricular Analysis
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(111004, DCM, "Analysis Performed")	1	M		EV(122601, DCM, "Ventricular Analysis")
3	>	HAS OBS CONTEXT	INCLUDE	DTID (3929) Cardiovascular Analysis Observation Context	1	U		
4	>	CONTAINS	INCLUDE	DTID (3921) Ventricular Measurements	1-n	U		$Ventricle = EV (T-32600, SRT, "Left Ventricle")
5	>	CONTAINS	INCLUDE	DTID (3921) Ventricular Measurements	1-n	U		$Ventricle = EV (T-32500, SRT, "Right Ventricle")
6	>	CONTAINS	INCLUDE	DTID (3925) Thickening Analysis	1-n	U		
7	>	CONTAINS	INCLUDE	DTID (3926) Myocardial Perfusion Analysis	1-n	U		

TID 3921 Ventricular Measurements

Ventricular measurement results related to the volume of a ventricle.

Parameter Name	Parameter Usage
$Ventricle	Describes if either the left or the right ventricle was examined

TID 3921
Ventricular Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(G-C0E3, SRT, "Finding Site")	1	M		$Ventricle
3	>	CONTAINS	INCLUDE	DTID(3922) Absolute Values Of Ventricular Measurements	1	M		
4	>	CONTAINS	INCLUDE	DTID(3923) BSA-Normalized Ventricular Measurements	1	U		
5	>	CONTAINS	INCLUDE	DTID(3924) Heart Rate-Normalized Ventricular Measurements	1	U		

TID 3922 Absolute Values Of Ventricular Measurements

Ventricular measurement results related to the absolute volume of a ventricle.

TID 3922
Absolute Values Of Ventricular Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV(122608, DCM, "Absolute Values Of Ventricular Measurements")	1	M		
2	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3833) Cardiac Ejection Fraction $ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID(3821) Papillary Muscle Included/Excluded $Method = DCID(3807) Volume Measurement Methods $Units = DT(%,UCUM,"%")
3	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3835) Volume Measurements $ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID(3821) Papillary Muscle Included/Excluded $Units = DT(ml, UCUM, "ml")
4	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-32100, SRT, "Cardiac Output") $ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID(3821) Papillary Muscle Included/Excluded $Units = DT(l/min, UCUM, "l/min")
5	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = EV(122447, DCM, " Wall Mass") $ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID(3821) Papillary Muscle Included/Excluded $Units = DT(g, UCUM, "g")
6	>>	HAS CONCEPT MOD	CODE	EV(R-4089A, SRT, "Cardiac Cycle Point")	1	U		DCID(12233) Cardiac Cycle Point
7	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122616, DCM, "Peak Ejection Rate") $Units = DT(ml/s, UCUM, "ml/s")
8	>	CONTAINS	NUM	EV(122617, DCM, "Peak Ejection Time")	1	U		Units = EV(s, UCUM, "s")
9	>>	HAS CONCEPT MOD	CODE	EV(122611, DCM, “Reference Point”)	1	M		EV(F-32011, SRT, "End-Diastolic")
10	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122618, DCM, "Peak Filling Rate") $Units = DT(ml/s, UCUM, "ml/s")
11	>	CONTAINS	NUM	EV(122619, DCM, "Peak Filling Time")	1	U		$Units = DT(s, UCUM, ”s”)
12	>>	HAS CONCEPT MOD	CODE	EV(122611, DCM, “Reference Point”)	1	M		DT(109070, DCM, "End-Systolic")

TID 3923 BSA-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Body Surface Area

TID 3923
BSA-normalized Ventricular Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV(122609, DCM, "Normalized values of ventricular measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(121425, DCM, "Index")	1	M		DT(8277-6, LN, “Body Surface Area”)
3	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	M		$Measurement=EV(8277-6, LN, “Body Surface Area”) $Unit=DT(m2, UCUM, “m^2”)
4	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID (3663) Body Surface Area Equations
5	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3835) Volume Measurements $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8277-6, LN, “Body Surface Area”) $Units=DT(ml/m2, UCUM, “ml/m^2")
6	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-32110, SRT, "Cardiac Index") $Units=DT(ml/min/m2, UCUM, “(ml/min)/m^2”)
7	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-2	U		$Measurement = EV(122447, DCM, "Wall Mass") $ModType = EV (121425, DCM, “Index") $ModValue = DT(8277-6, LN, “Body Surface Area”) $Units=DT(g/m2, UCUM, “g/m^2”)
8	>>	HAS CONCEPT MOD	CODE	DT(122670, DCM, "Papillary Muscle Included/Excluded”	1	U		DCID(3821) Papillary Muscle Included/Excluded
9	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122618, DCM, "Peak Filling Rate") $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8277-6, LN, “Body Surface Area”) $Units=DT(ml/s/m2, UCUM, “(ml/s)/m^2”)
10	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-32070, SRT, "Peak Cardiac Ejection Fraction") $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8277-6, LN, “Body Surface Area”) $Units=DT(%/m2, UCUM, “%/m^2”)

TID 3924 Heart Rate-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Heart Rate

TID 3924
Heart Rate-Normalized Ventricular Measurements
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV(122609, DCM, "Normalized values of ventricular measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(121425, DCM, "Index"	1	M		DT(8867-4, LN, “Heart Rate")
3	>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3835) Volume Measurements $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8867-4, LN, “Heart Rate") $Units=DT(ml/{H.B.}/min, UCUM, "ml/BPM”)
4	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-32100, SRT, "Cardiac Output") $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8867-4, LN, “Heart Rate") $Units = DT(ml/min/{H.B.}/min, UCUM, ”(ml/min)/ BPM”)
5	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122618, DCM, "Peak Filling Rate") $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8867-4, LN, “Heart Rate") $Units = DT(ml/s/{H.B.}/min, UCUM, “(ml/s)/BPM”)
6	>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(F-32070, SRT, "Peak Cardiac Ejection Fraction") $ModType = EV (121425, DCM, “Index”) $ModValue = DT(8867-4, LN, “Heart Rate") $Units=DT(%/{H.B.}/min, UCUM, “%/BPM”)

TID 3925 Ventricular Thickening Analysis

Data of a ventricular wall thickening analysis

TID 3925
Thickening Analysis
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(111004, DCM, "Analysis Performed")	1	M		EV (122607, DCM, "Thickening Analysis")
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	CONTAINS	CODE	EV(G-C0E3, SRT, "Finding Site")	1-n	MC	XOR row 5	DCID(3717) Myocardial Wall Segments
5	>>	CONTAINS	TEXT	EV(G-C0E3, SRT, "Finding Site")	1	MC	XOR row 4	
6	>>	CONTAINS	INCLUDE	DTID(3909) Best Illustration of Findings	1-n	U		
7	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	M		$Measurement = EV(122445, DCM, "Wall Thickness") $ModType= EV(R-4089A, SRT, "Cardiac Cycle Point") $ModValue= DT(F-32011, SRT, "End-Diastolic") $Units = DT(mm, UCUM, "mm")
8	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	M		$Measurement = EV(122445, DCM, "Wall Thickness") $ModType= EV(R-4089A, SRT, "Cardiac

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								Cycle Point") $ModValue= DT(109070, DCM, "End-Systolic") $Units = DT(mm, UCUM, "mm")
9	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1	U		$Measurement = EV(122624, DCM, "Wall Thickness Ratio end-systolic to end-diastolic") $Units = DT(%, UCUM, "%")
10	>>	CONTAINS	CODE	EV(F-32050, SRT, "Cardiac Wall Motion")	1	U		DCID (3703) Wall Motion
11	>>	CONTAINS	CODE	EV(G-C504, SRT, "Associated Morphology")	1	U		DCID (3704) Wall Morphology Findings

TID 3926 Myocardial Perfusion Analysis

Myocardial perfusion analysis results.

Perfusion measurements may be performed either for one or more ventricular segments (row 4) or for substructures inside ventricular segments (row 14)

TID 3926
Myocardial Perfusion Analysis
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV(111004, DCM, "Analysis Performed")	1	M		EV(122602, DCM, "Myocardial Perfusion Analysis")
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	HAS CONCEPT MOD	CODE	EV(G-C0E3, SRT, "Finding Site")	1-n	MC	XOR row 6	DCID(3717) Myocardial Wall Segments
5	>>>	HAS CONCEPT MOD	CODE	EV(G-A1F8, SRT, “Topographical Modifier”	1	U		DCID(3843) Myocardial Subsegment
6	>>	HAS CONCEPT MOD	TEXT	EV(G-C0E3, SRT, "Finding Site")	1	MC	XOR row 4	
7	>>	HAS ACQ CONTEXT	CODE	EV(109054, DCM, “Patient State”)	1	U		DCID(3101) Cardiac Procedural State Values
8	>>	HAS ACQ CONTEXT	INCLUDE	DTID (3106) Drugs/Contrast Administered	1-n	U		
9	>>	CONTAINS	TEXT	EV(122627, DCM, "Curve Fit Method")	1	U		
10	>>	CONTAINS	INCLUDE	DTID(3909) Best Illustration of Findings	1-n	U		
11	>>	CONTAINS	TEXT	EV(122628, DCM, "Baseline Result Correction")	1	U		
12	>>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3836) Time-based Perfusion Measurements $Units= EV(s, UCUM, "s")
13	>>	CONTAINS	NUM	EV(122640, DCM, "Image Interval")	1	U		Units= EV(ms, UCUM, "ms")
14	>>	CONTAINS	NUM	EV(122635, DCM, “MR Perfusion Peak”)	1	U		Units=DT(1, UCUM, “No units”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>>	CONTAINS	NUM	EV(122636, DCM, "MR Perfusion Slope")	1	U		Units=DT(1, UCUM, “No units”)
16	>>	CONTAINS	NUM	EV(122637, DCM, "MR Perfusion Time Integral")	1	U		Units=DT(1, UCUM, “No units”)
17	>>	CONTAINS	CONTAINER	EV(125007, DCM, "Measurement Group")	1-n	U		
18	>>>	CONTAINS	INCLUDE	DTID(300) Measurement	1-n	U		$Measurement = DCID(3836) Time-based Perfusion Measurements $Units= EV(s, UCUM, "s")
19	>>>	CONTAINS	NUM	EV(122635, DCM, “MR Perfusion Peak”)	1	U		Units=DT(1, UCUM, “No units”)
20	>>>	CONTAINS	NUM	EV(122636, DCM, "MR Perfusion Slope")	1	U		Units=DT(1, UCUM, “No units”)
21	>>>	CONTAINS	NUM	EV(122637, DCM, "MR Perfusion Time Integral")	1	U		Units=DT(1, UCUM, “No units”)
22	>>	CONTAINS	CODE	EV(122664, DCM, "Late Contrast Enhancement")	1	U		DCID(230) Yes-No
23	>>>	HAS ACQ CONTEXT	NUM	EV(122665, DCM, "Time after start of injection of contrast bolus")	1	M		Units=DT(s, UCUM, "s")
24	>>>	HAS ACQ CONTEXT	NUM	EV(122668, DCM, "Time interval since detection of contrast bolus")	1	U		Units=DT(s, UCUM, "s")

Content Item Descriptions

Row 12	Image Interval is appropriate only for equally time-spaced images

TID 3927 Report Summary

Contains summary elements based on the findings of the report

TID 3927
Report Summary
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID(7001) Diagnostic Imaging Reports Headings	1	M		
2	>	CONTAINS	CODE	BCID(7002) Diagnostic Imaging Report Elements	1-n	U		
3	>>		INCLUDE	DTID(320) Image or Spatial Coordinates	1-n	U		
4	>>		INCLUDE	DTID(321) Waveform or Temporal Coordinates	1-n	U		
5	>	CONTAINS	TEXT	BCID(7002) Diagnostic Imaging Report Elements	1-n	U		
6	>>		INCLUDE	DTID(320) Image or Spatial Coordinates	1-n	U		
7	>>		INCLUDE	DTID(321) Waveform or Temporal Coordinates	1-n	U		

TID 3929 Cardiovascular Analysis Observation Context

Defines the observation context for cardioVascular Functional Analysis

TID 3929
Cardiovascular Analysis Observation Context
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	NUM	EV(8867-4, LN, "Heart Rate")	1	U		Units= DT ("{H.B.}/min", UCUM, "BPM")
2		HAS OBS CONTEXT	CODE	EV(8884-9, LN, "Cardiac Rhythm")	1	U		DCID(3826) Heart Rhythm
3		HAS OBS CONTEXT	NUM	EV(F-008EC, SRT, "Systolic Blood Pressure")	1	U		Units=DT(mm[Hg], UCUM, “mmHg”)
4		HAS OBS CONTEXT	NUM	EV(F-008ED, SRT, "Diastolic Blood Pressure")	1	U		Units=DT(mm[Hg], UCUM, “mmHg”)
5		HAS OBS CONTEXT	CODE	EV (F-043E6, SRT, "Respiration Observable")	1	U		DCID(3823) Respiratory Status
6		HAS ACQ CONTEXT	INCLUDE	DTID (3106) Drugs/Contrast Administered	1-n	U		

TID 3990 2-Dimensional Measurement Graph

Generic template representing arbitrary two-dimensional graphs.

Parameter Name	Parameter Usage
$MeasurementGraph	Describes what the graph is about
$X-Concept	Concept of the X-Axis of the graph
$Y-Concept	Concept of the Y-Axis of the graph
$X-AxisUnit	Unit of the x-axis data elements
$Y-AxisUnit	Unit of the y-axis data elements

TID 3990
2-Dimensional Measurement Graph
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$MeasurementGraph	1	M		
2	>	CONTAINS	CODE	EV(122698, DCM, "X-Concept")	1	M		$X-Concept
3	>	CONTAINS	CODE	EV(122699, DCM, "Y-Concept")	1	M		$Y-Concept
4	>	CONTAINS	CONTAINER	no concept name	0-n	M		
5	>>	CONTAINS	NUM	$X-Concept	1	M		UNITS= $X-AxisUnit
6	>>	CONTAINS	NUM	$Y-Concept	1	M		UNITS= $Y-AxisUnit
7	>	CONTAINS	IMAGE	$MeasurementGraph	1	U		
8	>	CONTAINS	WAVEFORM	$MeasurementGraph	1	U		
9	>	CONTAINS	COMPOSITE	$MeasurementGraph	1	U		

Content Item Descriptions

Rows 5-6	The X-Concept values shall be monotonically increasing.
Row 7	Secondary Capture Image containing a bitmap representation of the graph
Row 8	Waveform containing a representation of the graph

Row 9	Composite Object containing a rendered representation of the graph

MAMMOGRAPHY CAD SR IOD TEMPLATES

The templates that comprise the Mammography CAD SR IOD are interconnected as in Figure A-8:

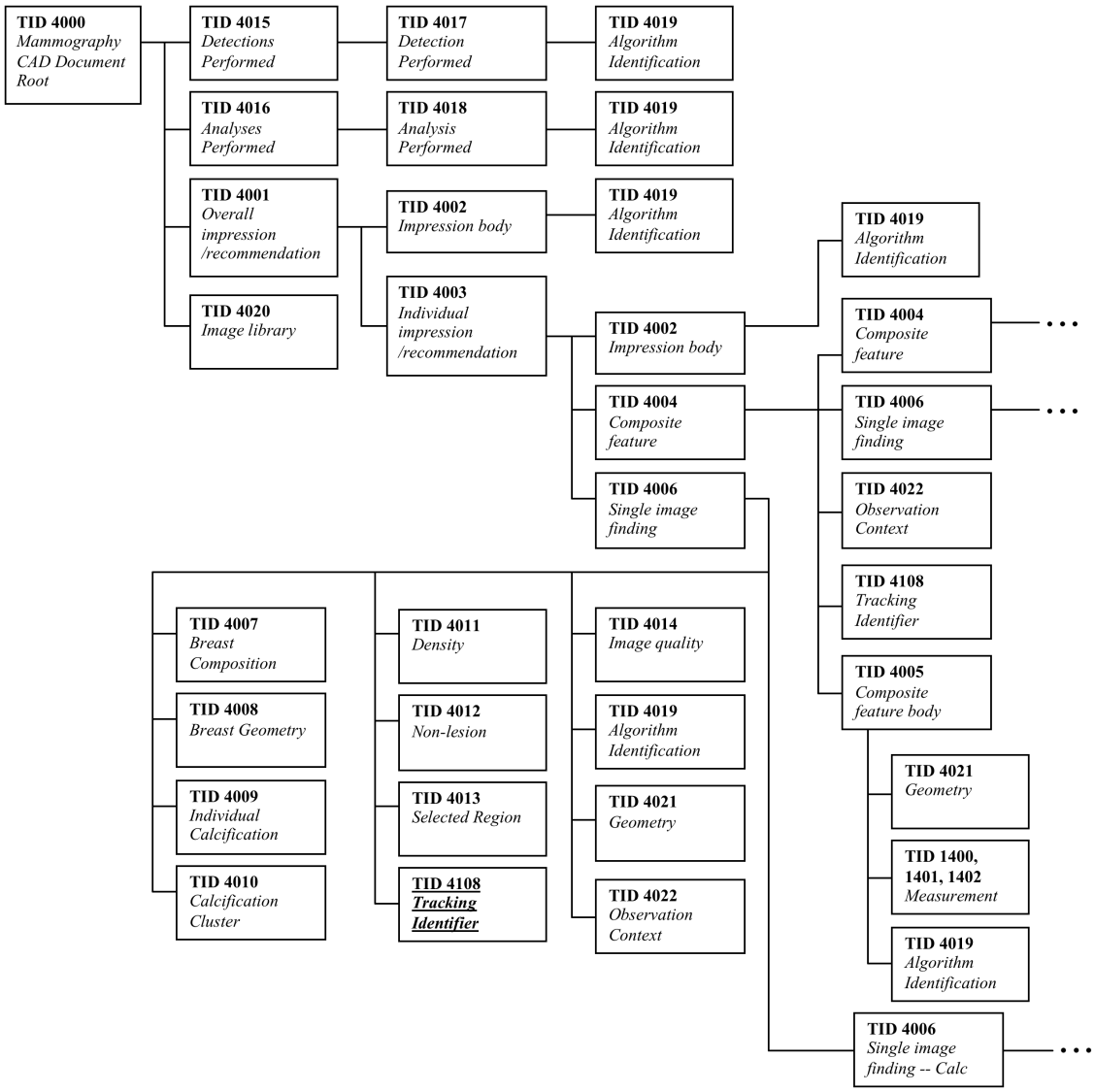


Figure A-8: Mammography CAD SR IOD Template Structure

In Figure A-8, '• • •' indicates possible recursive application of subordinate templates.

TID 4000 Mammography CAD Document Root Template

This template forms the top of a content tree that allows a mammography CAD device to describe the results of detection and analysis of Mammographic evidence. This template, together with its subordinate templates, describes both the results for presentation to radiologists and partial product results for consumption by mammography CAD devices in subsequent mammography CAD reports.

This template defines a Container which contains an Image Library, the mammography CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or mammography CAD results.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a mammography CAD report may produce no (or fewer than anticipated) results. Mammography CAD results are constructed bottom-up, starting from Single Image Findings (see Template 4006), associated as Composite Features (see Template 4004), and from which Individual and Overall Impressions are formed.

See the figure entitled “Top Levels of Mammography CAD SR Content Tree” in the “Mammography CAD SR Content Tree Structure” Annex of PS 3.17.

TID 4000
MAMMOGRAPHY CAD DOCUMENT ROOT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV(111036, DCM, “Mammography CAD Report”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	CONTAINER	EV(111028, DCM, “Image Library”)	1	M		
4	>>	CONTAINS	INCLUDE	DTID (4020) CAD Image Library Entry	1-n	M		$ImageLaterality = DCID (6022) Side, $ImageView = DCID (4014) View for Mammography, $ImageViewMod = DCID (4015) View Modifier for Mammography
5	>	CONTAINS	INCLUDE	DTID (4001) Mammography CAD Overall Impression / Recommendation”	1	M		
6	>	CONTAINS	CODE	EV(111064, DCM, “Summary of Detections”)	1	M		DCID (6042) Status of Results
7	>>	INFERRED FROM	INCLUDE	DTID (4015) CAD Detections Performed	1	MC	Shall be present unless the value of (111064, DCM, “Summary of Detections”) is (111225, DCM, “Not Attempted”)	$DetectionCode = DCID (6014) Mammography Single Image Finding
8	>	CONTAINS	CODE	EV(111065, DCM, “Summary of Analyses”)	1	M		DCID (6042) “Status of Results”
9	>>	INFERRED FROM	INCLUDE	DTID (4016) CAD Analyses Performed	1	MC	Shall be present unless the value of (111065, DCM, “Summary of Analyses”) is (111225, DCM, “Not Attempted”)	$AnalysisCode = DCID (6043) Types of Mammography CAD Analysis

Content Item Descriptions

Image Library	The "Image Library" section of the Content Tree (TID 4000, row 3) shall include all Image SOP Instances from the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Mammography CAD SR IOD is duplicated in the "Overall Impression/ Recommendation" section of the Content Tree, the "Image Library" shall also include all Image Library Entries referenced from the duplicated portions of the Mammography CAD SR.
Detections Performed	The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4000, rows 6 and 8) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4001 Mammography CAD Overall Impression/Recommendation Template

This template forms the top of the mammography CAD results sub-tree. The contents of this template describe the overall impression the mammography CAD device had for the mammographic evidence presented and any recommendations that the mammography CAD device made. The details of the overall impression and recommendation are expressed in this instance of the Mammography CAD Impression/Recommendation Body (see TID 4002). The data from which the details are inferred, are expressed in the Mammography CAD Individual Impression/Recommendations (see TID 4003), of which there may be several.

TID 4001
MAMMOGRAPHY CAD OVERALL IMPRESSION/RECOMMENDATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, "CAD Processing and Findings Summary")	1	M		DCID (6047) CAD Processing and Findings Summary
2	>	HAS PROPERTIES	INCLUDE	DTID (4002) Mammography CAD Impression/Recommendation Body"	1	U		
3	>	INFERRED FROM	INCLUDE	DTID (4003) Mammography CAD Individual Impression/Recommendation	1-n	MC	Shall be present if 1 or more (111059, DCM, "Single Image Finding") or (111015, DCM, "Composite Feature") content items are reported.	

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Overall Impression/Recommendation sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether mammography CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.

TID 4002 Mammography CAD Impression/Recommendation Body Template

The details of an impression and recommendation are expressed in this template. It is applied to both Mammography CAD Overall Impression/Recommendation (TID 4001) and Mammography CAD Individual Impression/Recommendation (TID 4003).

TID 4002
MAMMOGRAPHY CAD IMPRESSION/RECOMMENDATION BODY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111005, DCM, “Assessment Category”)	1-n	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	DCID (6026) Mammography Assessment
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
3			CODE	EV (111023, DCM, “Differential Diagnosis/ Impression”)	1-n	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	DCID (6002) Change Since Last Mammogram or Prior Surgery
4	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
5			TEXT	EV (111033, DCM, “Impression Description”)	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	
6			CODE	EV (111053, DCM, “Recommended Follow-up”)	1-n	MC	At least one of rows 1, 3, 5 5, 6, 8, 9 shall be present.	DCID (6028) Mammography Recommended Follow-up
7	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
8			NUM	EV (111055, DCM, “Recommended Follow-up Interval”)	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present. May be present only if (111054, DCM, “Recommended Follow-up Date”) is not present.	UNITS = DCID (6046) Units of Follow-up Interval; Values = Integer $\geq$ 0, where 0 = immediate follow-up
9			DATE	EV (111054, DCM, “Recommended Follow-up Date”)	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present. May be present only if (111055, DCM, “Recommended Follow-up Interval”) is not present.	Shall be later than date of exam
10			NUM	EV (111013, DCM, “Certainty of impression”)	1	UC	May be present only if (111005, DCM, “Assessment Category”), (111023, DCM, “Differential Diagnosis/Impression”) or (111033, DCM, “Impression Description”) is present.	UNITS = EV (%, UCUM, “Percent”) Values = 0 – 100
11			INCLUDE	DTID (4019) CAD Algorithm Identification	1-n	M		
12			NUM	DCID (6142) Calculated Value	1-n	U		
13	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
14	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	M		DCID (6140) Calculation Methods
15	>	NFERRED FROM	TEXT	EV (112034, DCM, “Calculation Description”)	1	U		

Content Item Descriptions

Certainty of Impression	The certainty that the device populating the Mammography CAD SR report places on this impression, where 0 equals no certainty and 100 equals certainty.
Impression Description	Free-form text describing the overall or an individual impression

TID 4003 Mammography CAD Individual Impression/Recommendation Template

This template collects an individual impression the mammography CAD device had for a lesion, non-lesion object, or correlation of related objects. The details of the impression and recommendation are expressed in the Mammography CAD Impression/Recommendation Body (see TID 4002). The data from which the details are inferred are expressed in the Composite Features (see TID 4004) and/or Single Image Findings (see TID 4006) of which there may be several.

The sub-tree headed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

TID 4003
MAMMOGRAPHY CAD INDIVIDUAL IMPRESSION/RECOMMENDATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111034, DCM, "Individual Impression/ Recommendation")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID (6034) Intended Use of CAD Output
3	>	CONTAINS	INCLUDE	DTID (4002) Mammography CAD Impression / Recommendation Body	1	U		
4	>	CONTAINS	INCLUDE	DTID (4004) Mammography CAD Composite Feature	1-n	MC	At least one of rows 4, 5 shall be present.	
5	>	CONTAINS	INCLUDE	DTID (4006) Mammography CAD Single Image Finding	1-n	MC	At least one of rows 4, 5 shall be present.	

Content Item Descriptions

Rendering Intent	This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior.

TID 4004 Mammography CAD Composite Feature Template

This template collects a composite feature for a lesion, non-lesion object, or correlation of related objects. The details of the composition are expressed in the Mammography CAD Composite Feature Body (see TID 4005). The data from which the details are inferred, are expressed in the Composite Features (see TID 4004) and/or Single Image Findings (see TID 4006), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

TID 4004
MAMMOGRAPHY CAD COMPOSITE FEATURE
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, "Composite Feature")	1	M		DCID (6016) Mammography Composite Feature
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID (6034) Intended Use of CAD Output
3	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
4	>	HAS PROPERTIES	INCLUDE	DTID (4005) Mammography CAD Composite Feature Body	1	M		
5	>	INFERRED FROM	INCLUDE	DTID (4004) Mammography CAD Composite Feature	1-n	MC	At least two items shall be present: two of row 5, two of row 6, or one of each.	
6	>	INFERRED FROM	INCLUDE	DTID (4006) Mammography CAD Single Image Finding	1-n	MC	At least two items shall be present: two of row 5, two of row 6, or one of each.	
7	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present only if this feature is incorporated from a different report than its parent.	

Content Item Descriptions

Rendering Intent	This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior.

TID 4005 Mammography CAD Composite Feature Body Template

The details of a composite feature are expressed in this template. It is applied to Mammography CAD Composite Feature (TID 4004).

TID 4005
MAMMOGRAPHY CAD COMPOSITE FEATURE BODY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, "Composite type")	1	M		DCID (6035) Composite Feature Relations. The value shall be (111155, DCM, "Target content items are related contra-laterally") if the parent content item has code value (F-01792, SRT, "Focal asymmetric breast tissue") or (F-01793, SRT, "Asymmetric breast tissue").
2			CODE	EV (111057, DCM, "Scope of Feature")	1	M		DCID (6036) Scope of Feature
3			INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
4			NUM	EV (111011, DCM, "Certainty of Feature")	1	U		UNITS = (%, UCUM, "Percent") Value = 0 – 100
5			NUM	EV (111047, DCM, "Probability of cancer")	1	UC	May be present only if value of parent is not (111102, DCM, "Non-lesion")	UNITS = (%, UCUM, "Percent") Value = 0 – 100
6			CODE	EV (111042, DCM, "Pathology")	1-n	U		BCID (6030) "Mammography Pathology Codes"
7			INCLUDE	DTID (1400) Linear Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1400) "Linear Measurement" shall be used.
8			INCLUDE	DTID (1401) Area Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1401) "Area Measurement" shall be used.
9			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) "Volume Measurement" shall be used.
10			INCLUDE	DTID (4021) Mammography CAD Geometry	1-n	U		
11			NUM	DCID (6037) Mammography Quantitative Temporal Difference Type	1-n	UC	May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related temporally")	UNITS = DCID (7460) Units of Linear Measurement, DCID (7461) Units of Area Measurement, DCID (7462) Units of Volume Measurement or DT (1, UCUM, "no units")
12	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 11
13			CODE	EV (111049, DCM, "Qualitative Difference")	1-n	UC	May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related temporally")	DCID (6038) Mammography Qualitative Temporal Difference Type

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>	HAS PROPERTIES	TEXT	EV (111021, DCM, "Description of Change")	1	U		
15	>	R-INFERRED FROM	CODE		2	M		The referenced code values shall have the same Concept Name and be from the same context group.
16			CODE	EV (111048, DCM, "Quadrant location")	1	U		DCID (6020) Quadrant Location
17			CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID (6018) Clockface Location or Region
18			CODE	EV (111020, DCM, "Depth")	1	U		DCID (6024) Depth
19			CODE	EV (111035, DCM, "Lesion Density")	1	UC	May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density")	DCID (6008) Density Modifier
20			CODE	EV (M-020F9, SRT, "Shape")	1	UC	May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density")	DCID (6004) Mammography Characteristics of Shape
21			CODE	EV (111037, DCM, "Margins")	1-n	UC	May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density")	DCID (6006) "Mammography Characteristics of Margin"
22			CODE	EV (111009, DCM, "Calcification Type")	1-n	UC	May be present only if value of parent is (F-01775,SRT, "Calcification Cluster") or (F-01776,SRT, "Individual Calcification")	DCID (6010) "Mammography Calcification Types"
23			CODE	EV (111008, DCM, "Calcification Distribution")	1	UC	May be present only if value of parent is (F-01775,SRT, "Calcification Cluster")	DCID (6012) "Calcification Distribution Modifier"
24			NUM	EV (111038, DCM, "Number of calcifications")	1	UC	May be present only if value of parent is (F-01775,SRT, "Calcification Cluster")	UNITS = EV (1, UCUM, "no units") Value = Integer 1 – n
25			NUM	DCID (6142) Calculated Value	1-n	U		
26	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID (6140) Calculation Methods
27	>	INFERRED FROM	TEXT	EV (112034, DCM, "Calculation Description")	1	U		

Content Item Descriptions

Certainty of Feature	The likelihood that the feature analyzed, and classified by the CODE specified in the Composite Feature parent template, is in fact that type of feature.
Volume Measurement	If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID (1400) Linear Measurement.
Row 11	Values ≤ 0 are allowed. The two referenced numeric values are target content items of the first generation Composite Feature or Single Image

	Finding children of this composite feature. Given the equation, A – B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4006 Mammography CAD Single Image Finding Template

This template describes a single image finding for a lesion or other object. The details of the finding are expressed in this template and/or more specific templates. The details from which a single image Calcification Cluster is inferred may be expressed in a number of Single Image Findings (see TID 4006) of type Individual Calcification.

A Single Image Finding of type Breast Composition may be INFERRED FROM by-reference to a Single Image Finding of type Breast Geometry.

TID 4006
MAMMOGRAPHY CAD SINGLE IMAGE FINDING
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, “Single Image Finding”)	1	M		DCID (6014) Mammography Single Image Finding
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, “Rendering Intent”)	1	M		DCID (6034) Intended Use of CAD Output
3	>>	HAS PROPERTIES	NUM	EV (111071, DCM, “CAD Operating Point”)	1	UC	IFF value of row 2 is (111151, DCM, “Presentation Optional”) and row 9 of TID 4017 is present	UNITS = DT ({1:n}, UCUM, “range: 1:n”), where n is the maximum specified in Row 9 of TID 4017. Value is restricted to being an integer
4	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
5	>	HAS PROPERTIES	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
6	>	HAS PROPERTIES	NUM	EV(111012, DCM, “Certainty of Finding”)	1	U		UNITS = EV(%, UCUM, “Percent”) Value = 0 – 100
7	>	HAS PROPERTIES	NUM	EV (111047, DCM, “Probability of cancer”)	1	UC	May be present unless value of parent is (F-01710,SRT, “Breast composition”), (111100, DCM, “Breast geometry”), (T-04100, SRT, “Nipple”), (111099, DCM, “Selected region”), (111101, DCM, “Image quality”) or (111102, DCM, “Non-lesion”)	UNITS = EV(%, UCUM, “Percent”) Value = 0 – 100
8	>	HAS PROPERTIES	INCLUDE	DTID (4021) Mammography CAD Geometry	1	MC	Shall be present unless value of parent is (F-01710,SRT, “Breast composition”), (111100, DCM, “Breast geometry”) or (111101, DCM, “Image quality”)	
9	>	HAS PROPERTIES	INCLUDE	DTID (4007) Mammography CAD Breast Composition	1	MC	Shall be present only if value of parent is (F-01710,SRT, “Breast composition”)	
10	>	R-INFERRED FROM	CODE		1-n	UC	May be present only if value of parent is (F-01710,SRT, “Breast composition”)	Shall reference a (111059, DCM, “Single Image Finding”) of value: EV (111100, DCM, “Breast geometry”)
11	>	HAS PROPERTIES	INCLUDE	DTID (4008) Mammography CAD Breast Geometry	1	MC	Shall be present only if value of parent is (111100, DCM, “Breast geometry”)	
12	>	HAS PROPERTIES	INCLUDE	DTID (4009) Mammography CAD Individual Calcification	1	UC	May be present only if value of parent is (F-01776,SRT, “Individual Calcification”)	
13	>	HAS	INCLUDE	DTID (4010)	1	UC	May be present only if value of	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		PROPERTIES		Mammography CAD Calcification Cluster			parent is (F-01775,SRT, “Calcification Cluster”)	
14	>	HAS PROPERTIES	INCLUDE	DTID (4011) Mammography CAD Density	1	UC	May be present only if value of parent is (F-01796,SRT,”Mammography breast density”)	
15	>	HAS PROPERTIES	CODE	EV (111297,DCM, “Nipple Characteristic”)	1	UC	May be present only if value of parent is (T-04100, SRT, “Nipple”)	DCID (6039) Nipple Characteristic
16	>	HAS PROPERTIES	INCLUDE	DTID (4012) Mammography CAD Non-Lesion	1	MC	Shall be present only if value of parent is (111102, DCM, “Non-lesion”)	
17	>	HAS PROPERTIES	INCLUDE	DTID (4013) Mammography CAD Selected Region	1	MC	Shall be present only if value of parent is (111099, DCM, “Selected Region”)	
18	>	R-INFERRED FROM	IMAGE		1	MC	Shall be present only if value of parent is (111101, DCM, “Image quality”) and row 19 is not present	Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
19	>	HAS PROPERTIES	SCOORD	EV (111030, DCM, “Image Region”)	1-n	MC	Shall be present only if value of parent is (111101, DCM, “Image quality”) and row 18 is not present	
20	>>	R-SELECTED FROM	IMAGE		1	M		All the (111030, DCM, “Image Region”) content items in a single invocation of this template shall reference the same IMAGE content item in the (111028, DCM, “Image Library”)
21	>	HAS PROPERTIES	INCLUDE	DTID (4014) CAD Image Quality	1-n	MC	Shall be present only if value of parent is (111101, DCM, “Image quality”)	$QualityFinding = DCID (6041) “Mammography Image Quality Finding”, $QualityStandard = DCID (6045) “Mammography Types of Quality Control Standard”
22	>	HAS PROPERTIES	NUM	DCID (6142) Calculated Value	1-n	U		
23	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	M		DCID (6140) Calculation Methods
24	>>	INFERRED FROM	TEXT	EV (112034, DCM, “Calculation Description”)	1	U		
25	>	INFERRED FROM	INCLUDE	DTID (4006) Mammography CAD Single Image Finding	1-n	UC	May be present only if value of parent is (F-01775,SRT, “Calcification Cluster”)	EV (F-01776,SRT, “Individual Calcification”)
26	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present only if this finding is incorporated from a different report than its parent.	

Content Item Descriptions

Rendering Intent	This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured

	Reporting Storage SOP Classes for SCU and SCP Behavior.
CAD Operating Point	Additional information to use when Rendering Intent is “Presentation Optional”. A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of “Presentation Required”. See PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior and PS 3.17 annex on Mammography.
Single Image Finding	A Single Image Finding (whose parent is a Single Image Finding of type Calcification Cluster) allows one level of nesting for the definition of individual calcifications within the cluster. To use this template recursively, this Single Image Finding code value shall be “Individual Calcification”.
Certainty of Finding	The likelihood that the finding detected, and classified by the CODE specified in the Single Image Finding parent template, is in fact that type of finding.

TID 4007 Mammography CAD Breast Composition Template

TID 4007
MAMMOGRAPHY CAD BREAST COMPOSITION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (F-01710,SRT, “Breast composition”)	1	MC	At least one of row 1 or 2 shall be present	DCID (6000) Overall Breast Composition
2			NUM	EV (111046, DCM, “Percent Fibroglandular Tissue”)	1	MC	At least one of row 1 or 2 shall be present	UNITS = EV (%, UCUM, “Percent”) Value = 0 – 100

Content Item Descriptions

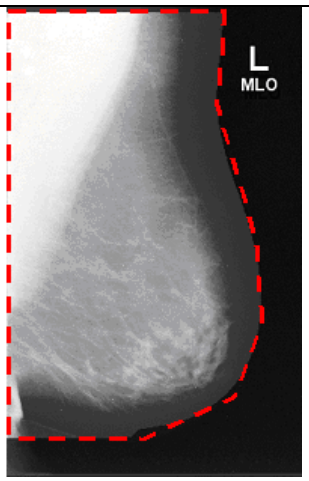
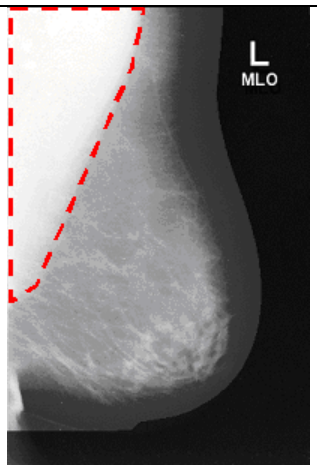
Percent Fibroglandular Tissue	Percent of breast area that is mammographically dense, excluding pectoralis muscle.

TID 4008 Mammography CAD Breast Geometry Template

TID 4008
MAMMOGRAPHY CAD BREAST GEOMETRY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111007, DCM, “Breast Outline Including Pectoral Muscle Tissue”)	1	M		GRAPHIC TYPE = {POLYLINE}
2	>	R-SELECTED FROM	IMAGE		1	M		Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
3			SCOORD	EV (111045, DCM, “Pectoral Muscle Outline”)	1	U		GRAPHIC TYPE = {POLYLINE}
4	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same node as row 2

Content Item Descriptions

Breast Outline Including Pectoral Muscle Tissue	 Example	Pectoral Muscle Outline	 Example

TID 4009 Mammography CAD Individual Calcification Template

This template provides the detail specific to an individual calcification.

TID 4009
MAMMOGRAPHY CAD INDIVIDUAL CALCIFICATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111009, DCM, "Calcification Type")	1-n	MC	At least one of rows 1, 2, 3 shall be present	DCID (6010) Mammography Calcification Types
2			INCLUDE	DTID (1400) Linear Measurement	1-n	MC	At least one of rows 1, 2, 3 shall be present	The by-reference relationship to the IMAGE in TID (1400) Linear Measurement shall be used.
3			INCLUDE	DTID (1401) Area Measurement	1-n	MC	At least one of rows 1, 2, 3 shall be present	The by-reference relationship to the IMAGE in TID (1401) Area Measurement shall be used.
4			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) Volume Measurement shall be used.

TID 4010 Mammography CAD Calcification Cluster Template

This template provides the detail specific to a calcification cluster.

TID 4010
MAMMOGRAPHY CAD CALCIFICATION CLUSTER
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111009, DCM, "Calcification Type")	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID (6010) Mammography Calcification Types

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2			CODE	EV (111008, DCM, “Calcification Distribution”)	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID (6012) Calcification Distribution Modifier
3			NUM	EV (111038, DCM, “Number of calcifications”)	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	UNITS = EV (1, UCUM, “no units”) Value = Integer >= 1
4			INCLUDE	DTID (1400) Linear Measurement	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	The by-reference relationship to the IMAGE in TID (1400) Linear Measurement shall be used.
5			INCLUDE	DTID (1401) Area Measurement	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	The by-reference relationship to the IMAGE in TID (1401) Area Measurement shall be used.
6			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) Volume Measurement shall be used.

TID 4011 Mammography CAD Density Template

This template provides the detail specific to a density.

TID 4011
MAMMOGRAPHY CAD DENSITY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111035, DCM, “Lesion Density”)	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID (6008) Density Modifier
2			CODE	EV (M-020F9, SRT, “Shape”)	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID (6004) Mammography Characteristics of Shape
3			CODE	EV (111037, DCM, “Margins”)	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID (6006) Mammography Characteristics of Margin
4			INCLUDE	DTID (1400) Linear Measurement	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	The by-reference relationship to the IMAGE in TID (1400) Linear Measurement shall be used.
5			INCLUDE	DTID (1401) Area Measurement	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	The by-reference relationship to the IMAGE in TID (1401) Area Measurement shall be used.
6			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) Volume Measurement shall be used.

TID 4012 Mammography CAD Non-Lesion Template

This template provides the detail specific to a finding other than a lesion (see CID 6040).

TID 4012
MAMMOGRAPHY CAD NON-LESION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111039, DCM, "Object type")	1	M		DCID (6040) Non-Lesion Object Type
2			INCLUDE	DTID (1400) Linear Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1400) Linear Measurement shall be used.
3			INCLUDE	DTID (1401) Area Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1401) Area Measurement shall be used.
4			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) Volume Measurement shall be used.

TID 4013 Mammography CAD Selected Region Template

This template provides the detail specific to a selected region. A selected region is any mammography CAD derived arbitrary region of the image, whether within the breast outline or not. This can be use to delineate regions such as the intramammary fold.

TID 4013
MAMMOGRAPHY CAD SELECTED REGION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (111058, DCM, "Selected Region Description")	1	M		
2			INCLUDE	DTID (1400) Linear Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1400) Linear Measurement shall be used.
3			INCLUDE	DTID (1401) Area Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1401) Area Measurement shall be used.
4			INCLUDE	DTID (1402) Volume Measurement	1-n	U		The by-reference relationship to the IMAGE in TID (1402) Volume Measurement shall be used.

TID 4014 CAD Image Quality Template

This template provides the detail specific to image quality. It allows the encoding of descriptors of image quality (e.g., CID 6041) for a given image or region of an image. For instance, images with partial motion blur can be identified with the region noted.

Parameter Name	Parameter Usage
$QualityFinding	Coded term or Context Group for Quality Finding
$QualityStandard	Coded term or Context Group for Quality Control Standard

TID 4014
CAD IMAGE QUALITY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV(111052, DCM, "Quality Finding")	1	M		$QualityFinding
2	>	HAS PROPERTIES	CODE	EV(111050, DCM, "Quality Assessment")	1	U		DCID (6044) Types of Image Quality Assessment
3	>	HAS PROPERTIES	CODE	EV(111051, DCM, "Quality Control Standard")	1	UC	Shall be present if row 2 is present.	$QualityStandard
4	>	HAS PROPERTIES	NUM	EV(111029, DCM, "Image Quality Rating")	1	U		UNITS = EV({0:100}, UCUM, "range:0:100") Value = 0 – 100

Content Item Descriptions

Image Quality Rating	A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality.

TID 4015 CAD Detections Performed Template

This template gathers two lists of detection algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) detection results.

The sub-tree formed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

Parameter Name	Parameter Usage
$DetectionCode	Coded term or Context Group for Detection Performed

TID 4015
CAD DETECTIONS PERFORMED
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV(111063, DCM, "Successful Detections")	1	MC	Shall be present only if value of parent is (111222, DCM, "Succeeded") or (111223, DCM, "Partially Succeeded")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	INCLUDE	DTID (4017) CAD Detection Performed	1-n	M		$DetectionCode = $DetectionCode
3			CONTAINER	EV(111025, DCM, “Failed Detections”)	1	MC	Shall be present only if value of parent is (111224, DCM, “Failed”) or (111223, DCM, “Partially Succeeded”)	
4	>	CONTAINS	INCLUDE	DTID (4017) CAD Detection Performed	1-n	M		$DetectionCode = $DetectionCode

TID 4016 CAD Analyses Performed Template

This template gathers two lists of analysis algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) analysis results.

The sub-tree formed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

Parameter Name	Parameter Usage
$AnalysisCode	Coded term or Context Group for Analysis Performed

TID 4016
CAD ANALYSES PERFORMED
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV(111062, DCM, “Successful Analyses”)	1	MC	Shall be present only if value of parent is (111222, DCM, “Succeeded”) or (111223, DCM, “Partially Succeeded”)	
2	>	CONTAINS	INCLUDE	DTID (4018) CAD Analysis Performed	1-n	M		$AnalysisCode=$AnalysisCode
3			CONTAINER	EV(111024, DCM, “Failed Analyses”)	1	MC	Shall be present only if value of parent is (111224, DCM, “Failed”) or (111223, DCM, “Partially Succeeded”)	
4	>	CONTAINS	INCLUDE	DTID (4018) CAD Analysis Performed	1-n	M		$AnalysisCode=$AnalysisCode

TID 4017 CAD Detection Performed Template

This template fully identifies a detection algorithm and the images and/or image regions on which it operated (see TID 4015).

Parameter Name	Parameter Usage
$DetectionCode	Coded term or Context Group for Detection Performed

TID 4017
CAD DETECTION PERFORMED
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV(111022, DCM, “Detection Performed”)	1	M		$DetectionCode
2	>	HAS PROPERTIES	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
3	>	HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
4	>	R-HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3,4,5 or 6 shall be present	Shall reference IMAGE content item(s) in the (111028, DCM, “Image Library”)
5	>	HAS PROPERTIES	UIDREF	EV(112002,DCM,”Series Instance UID”)	1-n	MC	At least one of row 3,4,5 or 6 shall be present	
6	>	HAS PROPERTIES	SCOORD	EV(111030, DCM, “Image Region”)	1-n	MC	At least one of row 3,4,5 or 6 shall be present	
7	>>	SELECTED FROM	IMAGE		1	MC	XOR row 8	
8	>>	R-SELECTED FROM	IMAGE		1	MC	XOR row 7	Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
9	>		INCLUDE	DTID (4023) CAD Operating Points	1	U		

Content Item Descriptions

CAD Algorithm Identification	If more than one detection algorithm has the same “Detection Performed” code value (e.g., CID 6014) then the “CAD Algorithm Identification” shall unambiguously distinguish between algorithms.
Rows 3 - 6	Mammography CAD SR: When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 4 and/or row 6 shall be present. Chest CAD SR: When this template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. Colon CAD SR: When this template is invoked for the Colon CAD SR, the Image Library does not exist, thus rows 3, 5, and/or 6 may be present and row 4 shall not be present.
Rows 7 - 8	Mammography CAD SR: When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. Chest CAD SR: When this template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. Colon CAD SR: When this template is invoked for the Colon CAD SR, the Image Library does not exist, thus only row 7 may be present.

TID 4018 CAD Analysis Performed Template

This template fully identifies an analysis algorithm and the images and/or image regions on which it operated (see TID 4016).

Parameter Name	Parameter Usage
$AnalysisCode	Coded term or Context Group for Analysis Performed

TID 4018
CAD ANALYSIS PERFORMED
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV(111004, DCM, "Analysis Performed")	1	M		$AnalysisCode
2	>	HAS PROPERTIES	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
3	>	HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
4	>	R-HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	Shall reference IMAGE content item(s) in the (111028, DCM, "Image Library")
5	>	HAS PROPERTIES	UIDREF	EV(112002,DCM,"Series Instance UID")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
6	>	HAS PROPERTIES	SCOORD	EV(111030, DCM, "Image Region")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
7	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 8	
8	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 7	Shall reference an IMAGE content item in the (111028, DCM, "Image Library")
9	>		INCLUDE	DTID (4023) CAD Operating Points	1	U		

Content Item Descriptions

CAD Algorithm Identification	If more than one analysis algorithm has the same "Analysis Performed" code value (e.g., CID 6043) then the "CAD Algorithm Identification" shall unambiguously distinguish between algorithms.
Rows 3 - 6	Mammography CAD SR: When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, and a total of at least two instances of row 4 or row 6 shall be present. Chest CAD SR: When this template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. Colon CAD SR: When this template is invoked for the Colon CAD SR, the

	Image Library does not exist, thus rows 3, 5 and/or 6 may be present and row 4 shall not be present.
Rows 7 - 8	Mammography CAD SR: When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. Chest CAD SR: When this template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. Colon CAD SR: When this template is invoked for the Colon CAD SR, the Image Library does not exist, thus only row 7 may be present.

TID 4019 CAD Algorithm Identification Template

This template details the algorithm unambiguously. Re-state the software identification from the General Equipment Module of the SR IOD if all algorithms are unambiguously defined by that module.

TID 4019
CAD ALGORITHM IDENTIFICATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV(111001, DCM, “Algorithm Name”)	1	M		
2			TEXT	EV (111003, DCM, “Algorithm Version”)	1	M		
3			TEXT	EV (111002, DCM, “Algorithm Parameters”)	1-n	U		

TID 4020 CAD Image Library Entry Template

Each instance of the Image Library Entry template contains the Image SOP Class and Instance UIDs, and selected attributes for an image. If values for the attributes are not present in the Image SOP Instance, then as many of the attributes as possible should be derived.

Parameter Name	Parameter Usage
$ImageLaterality	Coded term or Context Group for Image Laterality
$ImageView	Coded term or Context Group for Image View
$ImageViewMod	Coded term or Context Group for Image View Modifier

TID 4020
CAD IMAGE LIBRARY ENTRY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE		1	M		
2	>	HAS ACQ CONTEXT	CODE	EV(111027, DCM, “Image Laterality”)	1	MC	Shall be present if (0020,0062) is in the Image Instance	$ImageLaterality
3	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, “Image View”)	1	MC	Shall be present if (0054,0220) is in the Image Instance	$ImageView
4	>>	HAS CONCEPT MOD	CODE	EV (111032, DCM, “Image View Modifier”)	1-n	MC	Shall be present if (0054,0222) is in the Image Instance	$ImageViewMod
5	>	HAS ACQ CONTEXT	TEXT	EV (111044, DCM, “Patient Orientation Row”)	1	MC	Shall be present if (0020,0020) is in the Image Instance	
6	>	HAS ACQ CONTEXT	TEXT	EV (111043, DCM, “Patient Orientation Column”)	1	MC	Shall be present if (0020,0020) is in the Image Instance	
7	>	HAS ACQ CONTEXT	DATE	EV (111060, DCM, “Study Date”)	1	MC	Shall be present if (0008,0020) is in the Image Instance	
8	>	HAS ACQ CONTEXT	TIME	EV (111061, DCM, “Study Time”)	1	MC	Shall be present if (0008,0030) is in the Image Instance	
9	>	HAS ACQ CONTEXT	DATE	EV (111018, DCM, “Content Date”)	1	MC	Shall be present if (0008,0023) is in the Image Instance	
10	>	HAS ACQ CONTEXT	TIME	EV (111019, DCM, “Content Time”)	1	MC	Shall be present if (0008,0033) is in the Image Instance	
11	>	HAS ACQ CONTEXT	NUM	EV (111026, DCM, “Horizontal Pixel Spacing”)	1	MC	Shall be present if (0018,1164) or (0028,0030) is in the Image Instance	UNITS = EV (um, UCUM, “micrometer”)
12	>	HAS ACQ CONTEXT	NUM	EV (111066, DCM, “Vertical Pixel Spacing”)	1	MC	Shall be present if (0018,1164) or (0028,0030) is in the Image Instance	UNITS = EV (um, UCUM, “micrometer”)
13	>	HAS ACQ CONTEXT	NUM	EV (112011, DCM, “Positioner Primary Angle”)	1	UC	May be present if (0018,1510) is in the Image Instance	
14	>	HAS ACQ CONTEXT	NUM	EV (112012, DCM, “Positioner Secondary Angle”)	1	UC	May be present if (0018,1511) is in the Image Instance	

Content Item Descriptions

Patient Orientation Row	First (row) and Second (column) components of Patient Orientation (0020,0020) in the Image IOD. See PS 3. C.7.6.1.1.1.

Patient Orientation Column	(0020,0020) in the Image IOD. See PS 3, C.7.6.1.1.1.
Horizontal Imager Pixel Spacing	The row (first) component of Imager Pixel Spacing (0018,1164) in the Image IOD. See PS 3, C.8.11.4. Convert the source spacing to micrometers.
Vertical Imager Pixel Spacing	The column (second) component of Imager Pixel Spacing (0018,1164) in the Image IOD. See PS 3, C.8.11.4. Convert the source spacing to micrometers.

TID 4021 Mammography CAD Geometry Template

All geometry template invocations require specification of the location of the center of the object. Outline is optional.

TID 4021
MAMMOGRAPHY CAD GEOMETRY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV(111010, DCM, “Center”)	1	M		GRAPHIC TYPE = {POINT}
2	>	R-SELECTED FROM	IMAGE		1	M		Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
3			SCOORD	EV(111041, DCM, “Outline”)	1	U		
4	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same content item as row 2
5			SCOORD	DCID (6166) CAD Geometry Secondary Graphical Representation	1-n	U		
6	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same content item as row 2

TID 4022 CAD Observation Context Template

This template is invoked when a content item, which may be the “root” of a sub-tree, is paraphrased from a prior SR document.

TID 4022
CAD OBSERVATION CONTEXT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			COMPOSITE	EV(111040, DCM, “Original Source”)	1	MC	Shall be present if the original source is a DICOM object.	
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3			INCLUDE	DTID (1001) Observation Context	1	M		

TID 4023 CAD Operating Points

This template describes CAD operating points. The description is deliberately left flexible and optional to allow implementation at differing levels of complexity.

TID 4023
CAD OPERATING POINTS
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS	NUM	EV (111072, DCM,	1	M		UNITS = DT ([arb’U], UCUM,

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		PROPERTIES		"Maximum CAD Operating Point")				"arbitrary unit") Value is restricted to being an integer
2		HAS PROPERTIES	NUM	EV (111092, DCM, "Recommended CAD Operating Point")	1	U		UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value specified in row 1 Value is restricted to being an integer
3		HAS PROPERTIES	CONTAINER	EV (111093,DCM,"CAD Operating Point Table")	1	U		
4	>	CONTAINS	CODE	EV (122698, DCM, "X-Concept")	1	M		DCID (6048) CAD Operating Point Axis Label
5	>	CONTAINS	CODE	EV (122699, DCM, "Y-Concept")	1	M		DCID (6048) CAD Operating Point Axis Label
6	>	CONTAINS	NUM	EV (111071, DCM, "CAD Operating Point")	1-n	M	Number of instances of this row shall equal value of row 1, plus 1.	UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value of Row 1. Value is restricted to being an integer that is unique within the invocation of this template.
7	>>	HAS PROPERTIES	TEXT	EV (111081, DCM, "CAD Operating Point Description")	1	U		
8	>>	HAS PROPERTIES	NUM	The value of Row 4	1	U		
9	>>	HAS PROPERTIES	NUM	The value of Row 5	1	U		

Content Item Descriptions

Maximum CAD Operating Point	The maximum possible value of CAD Operating Point for this type of Detection Performed. No CAD Operating Point value recorded in the CAD Processing and Findings Summary sub-tree of the report for this type of Detection Performed shall exceed this value. The report may or may not contain Rendering Intent = "Presentation Optional" detections that are assigned the maximum value.
Recommended CAD Operating Point	A number indicating which of the CAD operating points is recommended by the creator of a CAD SR instance as the first operating point to be used when rendering the CAD SR instance contents. Subsequent changes to the displayed operating point are implementation dependent.

CHEST CAD SR IOD TEMPLATES

The templates that comprise the Chest CAD SR IOD are interconnected as in Figure A-9. In Figure A-9, '• • •' indicates possible recursive application of subordinate templates.

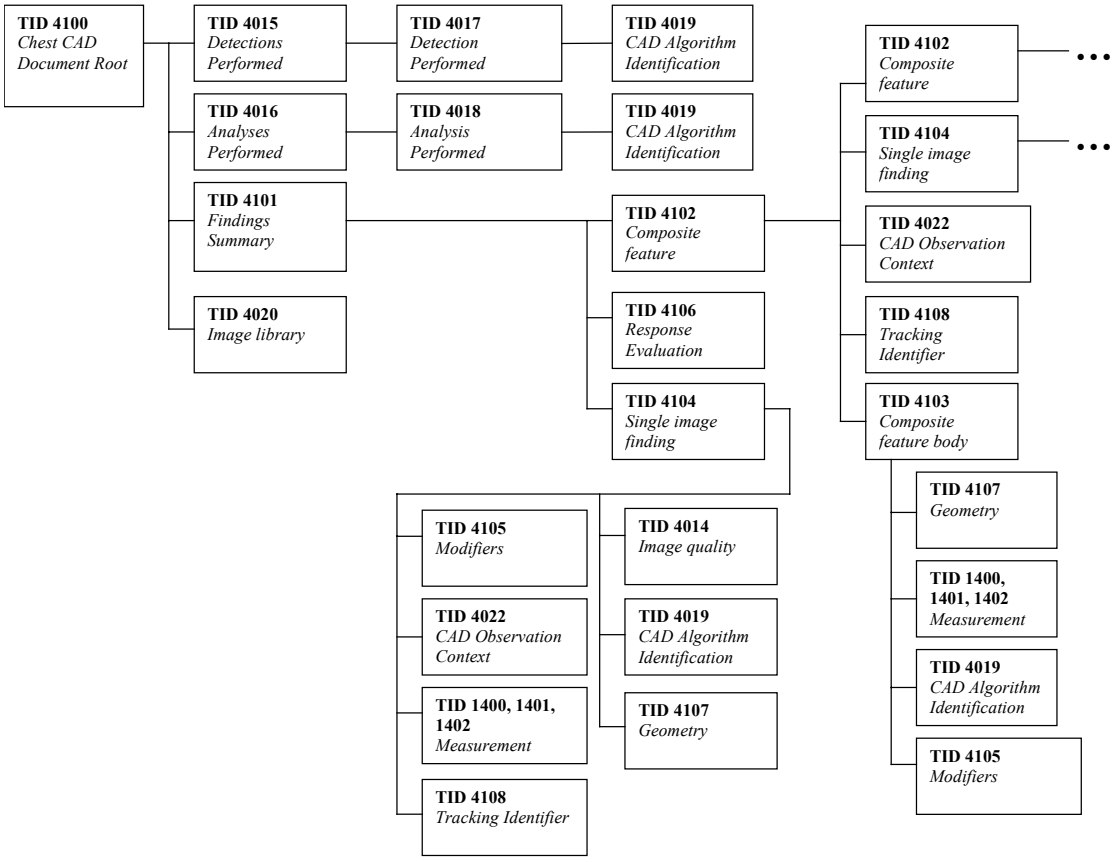


Figure A-9: Chest CAD SR IOD Template Structure

TID 4100 Chest CAD Document Root Template

This template forms the top of a content tree that allows a chest CAD device to describe the results of detection and analysis of chest evidence. This template, together with its subordinate templates, describes both the results for presentation to radiologists and partial product results for consumption by chest CAD devices in subsequent chest CAD reports.

This template defines a Container that contains an Image Library, the CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or chest CAD results.

The atomic CAD results of Single Image Findings and Composite Features are described in the Chest CAD Findings Summary sub-tree.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a chest CAD report may produce no (or fewer than anticipated) results. Chest CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4104), associated as Composite Features (see TID 4102).

See the figure entitled “Top Levels of Chest CAD SR Content Tree” in the “Chest CAD” Annex of PS 3.17.

TID 4100
CHEST CAD DOCUMENT ROOT
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112000, DCM, “Chest CAD Report”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	CONTAINER	EV (111028, DCM, “Image Library”)	1	U		
4	>>	CONTAINS	INCLUDE	DTID (4020) CAD Image Library Entry	1-n	M		$ImageLaterality = DCID (244) Laterality $ImageView = DCID (4010) DX View $ImageViewMod = DCID (4011) DX View Modifier
5	>	CONTAINS	INCLUDE	DTID (4101) Chest CAD Findings Summary	1	M		
6	>	CONTAINS	CODE	EV (111064, DCM, “Summary of Detections”)	1	M		DCID (6042) Status of Results
7	>>	INFERRED FROM	INCLUDE	DTID (4015) CAD Detections Performed	1	MC	Shall be present unless the value of row 6 is (111225, DCM, “Not Attempted”)	$DetectionCode = DCID (6101) Chest Finding or Feature, DCID (6102) Chest Finding or Feature Modifier
8	>	CONTAINS	CODE	EV (111065, DCM, “Summary of Analyses”)	1	M		DCID (6042) Status of Results
9	>>	INFERRED FROM	INCLUDE	DTID (4016) CAD Analyses Performed	1	MC	Shall be present unless the value of row 8 is (111225, DCM, “Not Attempted”)	$AnalysisCode = DCID (6137) Types of CAD Analysis

Content Item Descriptions

Image Library	The “Image Library” section of the Content Tree (TID 4100, row 3) may include all Image SOP Instances from the Current Requested Procedure

	Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Chest CAD SR IOD is duplicated in the “Chest CAD Findings Summary” section of the Content Tree, the “Image Library” may also include all Image Library Entries referenced from the duplicated portions of the Chest CAD SR. The Image Library is intended to be used in cases where the acquisition context content items differ from image to image, such as different views and/or laterality in projection X-ray.
Detections Performed	The “Detections Performed” and “Analyses Performed” sections of the Content Tree (TID 4100, rows 7 and 9) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4101 Chest CAD Findings Summary Template

The contents of this template describe the findings and aggregate features that the chest CAD device detected for the chest evidence presented. This template forms the chest CAD results sub-tree of the Chest CAD Document Root (TID 4100). The data from which the details are inferred are expressed in the Composite Features (see TID 4102) and/or Single Image Findings (see TID 4104), of which there may be several.

The sub-tree headed by this template is illustrated in the figure entitled “Example of CAD Processing and Findings Summary sub-tree of Chest CAD SR Content Tree” in the “Chest CAD” Annex of PS 3.17.

TID 4101
CHEST CAD FINDINGS SUMMARY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, “CAD Processing and Findings Summary”)	1	M		DCID (6047) CAD Processing and Findings Summary
2	>	INFERRED FROM	INCLUDE	DTID (4102) Chest CAD Composite Feature	1-n	U		
3	>	INFERRED FROM	INCLUDE	DTID (4104) Chest CAD Single Image Finding	1-n	U		
4	>	HAS PROPERTIES	INCLUDE	DTID (4106) Response Evaluation	1-n	U		

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Chest CAD Findings Summary sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether chest CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.

TID 4102 Chest CAD Composite Feature Template

This template collects a composite feature for a lesion, anatomy, non-lesion object, or correlation of related objects (see TID 4101). The details of the composition are expressed in the Chest CAD Composite Feature Body (see TID 4103). The data from which the details are inferred, are expressed in the Composite Features (see TID 4102) and/or Single Image Findings (see TID 4104), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

TID 4102
CHEST CAD COMPOSITE FEATURE
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, “Composite Feature”)	1	M		DCID (6101) Chest Finding or Feature
2	>	HAS CONCEPT MOD	CODE	EV (112023, DCM, “Composite Feature Modifier”)	1	U		DCID (6102) Chest Finding or Feature Modifier
3	>	HAS CONCEPT MOD	TEXT	EV (112050, DCM, “Anatomic Identifier”)	1	U		
4	>	HAS CONCEPT MOD	CODE	EV (112003, DCM, “Associated Chest Component”)	1	MC	Shall be present IFF value of row 1 is (112005, DCM, “Radiographic anatomy”)	DCID (6100) Chest Component Categories
5	>	HAS CONCEPT MOD	CODE	EV (112037, DCM, “Non-lesion Modifier”)	1	UC	May be present IFF value of row 1 is (111102, DCM, ”Non-lesion”)	DCID (6139) Non-lesion Modifiers
6	>	HAS CONCEPT MOD	CODE	EV (112038, DCM, “Osseous Modifier”)	1	UC	May be present IFF value of row 2 is from DCID (6114) Osseous Anatomy Finding or Feature	DCID (6115) Osseous Anatomy Modifiers
7	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, “Rendering Intent”)	1	M		DCID (6034) Intended Use of CAD Output
8	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
9	>	HAS OBS CONTEXT	CODE	EV (112016, DCM, “Baseline Category”)	1	U		DCID (6145) Baseline Category
10	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present IFF this feature is duplicated from a different report than its parent.	
11	>	HAS OBS CONTEXT	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
12	>	HAS PROPERTIES	INCLUDE	DTID (4103) Chest CAD Composite Feature Body	1	M		
13	>	INFERRED FROM	INCLUDE	DTID (4102) Chest CAD Composite Feature	1-n	MC	At least two items shall be present: two of row 13, two of row 14, or one of each.	
14	>	INFERRED FROM	INCLUDE	DTID (4104) Chest CAD Single Image Finding	1-n	MC	At least two items shall be present: two of row 13, two of row 14, or one of each.	

Content Item Descriptions

Anatomic Identifier	An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as “Rib 1”, “Rib 2” or thoracic vertebrae “T1” or “T2”.
Rendering Intent	This content item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this template and its target content items. Chest CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent chest CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior.

TID 4103 Chest CAD Composite Feature Body Template

The details of a composite feature are expressed in this template. It is applied to Chest CAD Composite Feature (TID 4102).

TID 4103
CHEST CAD COMPOSITE FEATURE BODY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, "Composite type")	1	M		DCID (6035) Composite Feature Relations
2			CODE	EV (111057, DCM, "Scope of Feature")	1	M		DCID (6036) Scope of Feature
3			NUM	EV (111011, DCM, "Certainty of feature")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 – 100
4			INCLUDE	DTID (4107) Chest CAD Geometry	1	U		
5			INCLUDE	DTID (1400) Linear Measurement	1-n	U		
6			INCLUDE	DTID (1401) Area Measurement	1-n	U		
7			INCLUDE	DTID (1402) Volume Measurement	1-n	U		
8			INCLUDE	DTID (4105) Chest CAD Descriptors	1	U		
9			NUM	DCID (6133) Chest Quantitative Temporal Difference Type	1-n	UC	May be present IFF the value of row 1 is (111153, DCM, "Target content items are related temporally")	
10	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 9
11			CODE	EV (111049, DCM, "Qualitative Difference")	1-n	UC	May be present only if the value of row 1 is (111153, DCM, "Target content items are related temporally")	DCID (6134) Qualitative Temporal Difference Type
12	>	HAS PROPERTIES	TEXT	EV (111021, DCM, "Description of Change")	1	U		
13	>	R-INFERRED FROM	CODE		2	M		The referenced content items shall have the same Concept Name and their code values shall be from the same context group.

Content Item Descriptions

Certainty of Feature	The certainty of the CAD device that the feature analyzed and classified by the CODE, as specified in the Composite Feature parent template, is in fact that type of feature.
Volume Measurement	If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID (1400) Linear Measurement.
Row 9	Values ≤ 0 are allowed. The two referenced numeric values are target content items of the first generation Composite Feature or Single Image

	Finding children of this composite feature. Given the equation, A – B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4104 Chest CAD Single Image Finding Template

This template describes a single image finding for a lesion or other object. The details of the finding are expressed in this template and/or more specific templates.

TID 4104
CHEST CAD SINGLE IMAGE FINDING
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, “Single Image Finding”)	1	M		DCID (6101) Chest Finding or Feature
2	>	HAS CONCEPT MOD	CODE	EV (112024, DCM, “Single Image Finding Modifier”)	1	U		DCID (6102) Chest Finding or Feature Modifier
3	>	HAS CONCEPT MOD	TEXT	EV (112050, DCM, “Anatomic Identifier”)	1	U		
4	>	HAS CONCEPT MOD	CODE	EV (112003, DCM, “Associated Chest Component”)	1	MC	Shall be present IFF value of row 1 is (112005, DCM, “Radiographic anatomy”)	DCID (6100) Chest Component Categories
5	>	HAS CONCEPT MOD	CODE	EV (112037, DCM, “Non-lesion Modifier”)	1	UC	May be present IFF value of row 1 is (111102, DCM, ”Non-lesion”)	DCID (6139) Non-lesion Modifiers
6	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, “Rendering Intent”)	1	M		DCID (6034) Intended Use of CAD Output
7	>>	HAS PROPERTIES	NUM	EV (111071, DCM, “CAD Operating Point”)	1	UC	IFF value of row 6 is (111151, DCM, “Presentation Optional”) and row 1 of TID 4023 is present for the finding identified in row 1	UNITS = DT ({1:n}, UCUM, “range: 1:n”), where n is the maximum specified in Row 1 of TID 4023 for the finding identified in row 1. Value is restricted to being an integer
8	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
9	>	HAS OBS CONTEXT	CODE	EV (112016, DCM, “Baseline Category”)	1	U		DCID (6145) Baseline Category
10	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present IFF this finding is duplicated from a different report than its parent.	
11	>	HAS OBS CONTEXT	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
12	>	HAS PROPERTIES	NUM	EV (111012, DCM, “Certainty of Finding”)	1	U		UNITS = EV (%, UCUM, “Percent”) Value = 0 – 100
13	>	HAS PROPERTIES	TEXT	EV (111058, DCM, “Selected Region Description”)	1	MC	Shall be present IFF value of row 1 is (111099, DCM, “Selected region”)	
14	>	HAS PROPERTIES	INCLUDE	DTID (4107) Chest CAD Geometry	1	MC	Shall be present unless value of row 1 is (111101, DCM, “Image quality”)	
15	>	HAS PROPERTIES	INCLUDE	DTID (1400) Linear Measurement	1-n	U		
16	>	HAS PROPERTIES	INCLUDE	DTID (1401) Area Measurement	1-n	U		
17	>	HAS PROPERTIES	INCLUDE	DTID (1402) Volume Measurement	1-n	U		
18	>	HAS PROPERTIES	INCLUDE	DTID (4105) Chest CAD Descriptors	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
19	>	INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”) and rows 20 and 21 are not present	
20	>	R-INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”) and rows 19 and 21 are not present	Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
21	>	INFERRED FROM	SCOORD	EV (111030, DCM, “Image Region”)	1-n	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”) and rows 19 and 20 are not present	
22	>>	SELECTED FROM	IMAGE		1	MC	XOR row 23	All the row 21 content items in a single invocation of this template shall reference the same IMAGE
23	>>	R-SELECTED FROM	IMAGE		1	MC	XOR row 22	All the row 21 content items in a single invocation of this template shall reference the same IMAGE content item in the (111028, DCM, “Image Library”)
24	>	HAS PROPERTIES	INCLUDE	DTID (4014) CAD Image Quality	1	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”)	$QualityFinding = DCID (6135) Image Quality Finding $QualityStandard = DCID (6136) Chest Types of Quality Control Standard

Content Item Descriptions

Anatomic Identifier	An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as “Rib 1”, “Rib 2” or thoracic vertebrae “T1” or “T2”.
Rendering Intent	This content item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this template and its target content items. Chest CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent chest CAD processing steps. Refer to PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior.
CAD Operating Point	Additional information to use when Rendering Intent is “Presentation Optional”. A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of “Presentation Required”. See PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior and PS 3.17 annex on Mammography.
Certainty of Finding	The certainty of the CAD device that the finding detected and classified by the Single Image Finding CODE specified is in fact that type of finding.

TID 4105 Chest CAD Descriptors

This template provides qualitative detail for a Single Image Finding or Composite Feature. It is applied to Chest CAD Composite Feature (TID 4102) and Chest CAD Single Image Finding (TID 4104).

TID 4105
CHEST CAD DESCRIPTORS
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (112025, DCM, “Size Descriptor”)	1	U		DCID (6118) Size Descriptor
2			CODE	EV (112026, DCM, “Width Descriptor”)	1	U		DCID (6107) Width Descriptor
3			CODE	EV (112015, DCM, “Border shape”)	1	U		DCID (6119) Chest Border Shape
4			CODE	EV (112007, DCM, “Border definition”)	1	U		DCID (6120) Chest Border Definition
5			CODE	EV (112014, DCM, “Orientation Descriptor”)	1	U		DCID (6121) Chest Orientation Descriptor
6			CODE	EV (112009, DCM, “Type of Content”)	1-n	U		DCID (6122) Chest Content Descriptor
7			CODE	EV (112027, DCM, “Opacity Descriptor”)	1	U		DCID (6123) Chest Opacity Descriptor
8			CODE	EV (112013, DCM, “Location in Chest”)	1	U		DCID (6124) Location in Chest
9			CODE	EV (G-C171, SRT, “Laterality”)	1	U		DCID (244) Laterality
10			CODE	EV (112006, DCM, “Distribution Descriptor”)	1-n	U		DCID (6128) Chest Distribution Descriptor
11			CODE	EV (112028, DCM, “Abnormal Distribution of Anatomic Structure”)	1	U		DCID (6108) Chest Anatomic Structure Abnormal Distribution
12			CODE	EV (112008, DCM, “Site involvement”)	1-n	U		DCID (6129) Chest Site Involvement
13			CODE	EV (G-C197, SRT, “Severity”)	1	U		DCID (6130) Severity Descriptor
14			CODE	EV (112010, DCM, “Texture Descriptor”)	1	U		DCID (6131) Chest Texture Descriptor
15			CODE	EV (112030, DCM, “Calcification Descriptor”)	1	U		DCID (6132) Chest Calcification Descriptor
16			NUM	DCID (6142) Calculated Value	1-n	U		
17	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	M		DCID (6140) Calculation Methods
18	>	INFERRED FROM	NUM	EV (112032, DCM, “Threshold Attenuation Coefficient”)	1	U		UNITS = EV ([hnsf'U], UCUM, “Hounsfield unit”)
19	>	INFERRED FROM	TEXT	EV (112034, DCM, “Calculation Description”)	1	U		
20			NUM	DCID (6141) Attenuation Coefficient Measurements	1-n	U		UNITS = EV ([hnsf'U], UCUM, “Hounsfield unit”)

TID 4106 Response Evaluation

This template provides a means to report response evaluation to cancer treatment, based on a method such as RECIST or WHO.

TID 4106
RESPONSE EVALUATION
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112020, DCM, “Response Evaluation”)	1	M		
2	>	HAS OBS CONTEXT	CODE	EV (112021, DCM, “Response Evaluation Method”)	1	M		DT (112022, DCM “RECIST”) or DT (112029, DCM, “WHO”)
3	>	CONTAINS	CODE	EV (112048, DCM, “Current Response”)	1	U		DCID (6143) Response Criteria
4	>	CONTAINS	CODE	EV (112049, DCM, “Best Overall Response”)	1	U		DCID (6143) Response Criteria
5	>	CONTAINS	NUM	EV (112051, DCM, “Measurement of Response”)	1	U		UNITS not specified

TID 4107 Chest CAD Geometry Template

All geometry template invocations require specification of either the location of the center of the object, the outline, or both. Geometry is a property of single image findings (see TID 4104) and composite features (see TID 4103).

TID 4107
CHEST CAD GEOMETRY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111010, DCM, “Center”)	1	MC	At least one of rows 1,4 shall be present.	GRAPHIC TYPE = {POINT}
2	>	SELECTED FROM	IMAGE		1	MC	XOR row 3	
3	>	R-SELECTED FROM	IMAGE		1	MC	XOR row 2	Shall reference an IMAGE content item in the (111028, DCM, “Image Library”)
4			SCOORD	EV (111041, DCM, “Outline”)	1	MC	At least one of rows 1,4 shall be present.	
5	>	SELECTED FROM	IMAGE		1	MC	XOR row 6	Shall reference the same content item as row 2
6	>	R-SELECTED FROM	IMAGE		1	MC	XOR row 5	Shall reference the same content item as row 3

TID 4108 Tracking Identifier

This template provides a means to identify an object for longitudinal tracking, potentially across multiple Structured Reports, over time.

TID 4108
TRACKING IDENTIFIER
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (112039, DCM, "Tracking Identifier")	1	MC	At least one of row 1 or 2 shall be present.	A string of characters with case being non-significant. Leading and trailing spaces and control characters are forbidden.
2			UIDREF	EV (112040, DCM, "Tracking Unique Identifier")	1	MC	At least one of row 1 or 2 shall be present.	

Content Item Descriptions

Tracking Identifier	A human readable identifier for longitudinal tracking, e.g., "Watchlist Nodule 1".

COLON CAD SR IOD TEMPLATES

The templates that comprise the Colon CAD SR IOD are interconnected as in Figure A-9b. In Figure A-9b, '• • •' indicates possible recursive application of subordinate templates.

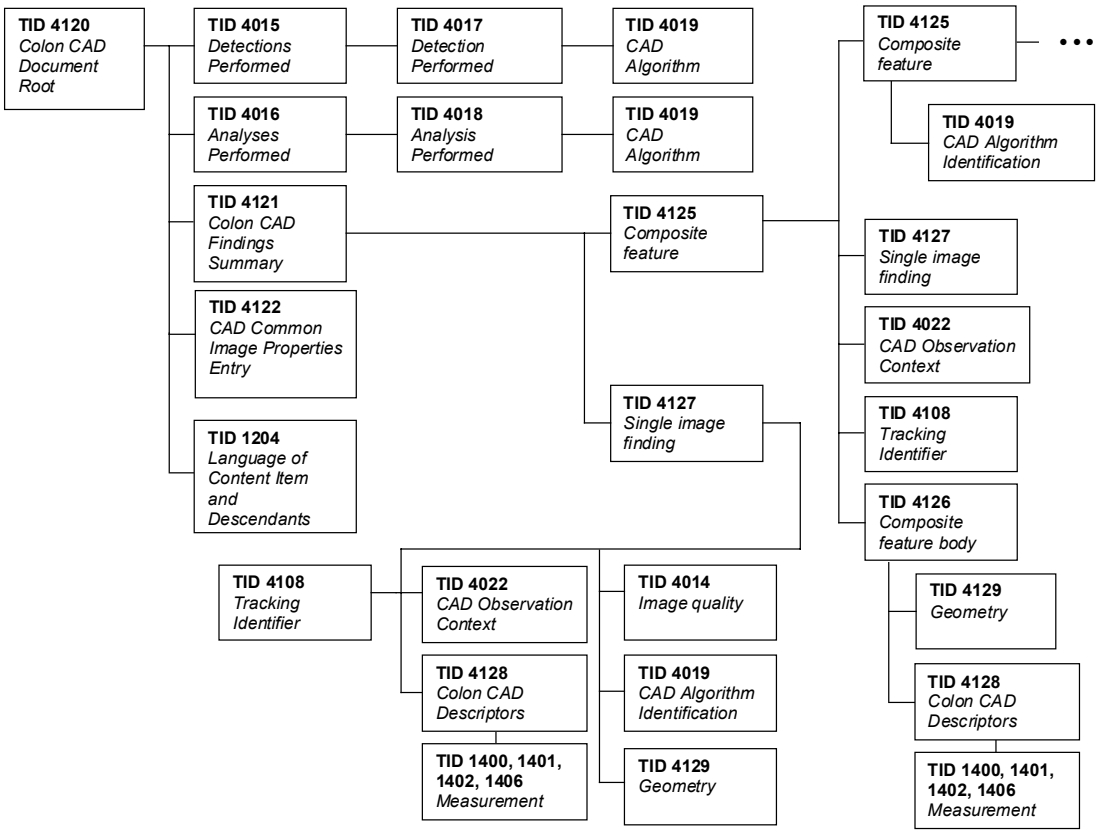


Figure A-9b: Colon CAD SR IOD Template Structure

TID 4120 Colon CAD Document Root Template

This template forms the top of a content tree that allows a colon CAD device to describe the results of detection and analysis of colon evidence. This template, together with its subordinate templates, describes both the results for presentation to radiologists and partial product results for consumption by colon CAD devices in subsequent colon CAD reports.

This template defines a Container that contains the CAD results and summaries of the detection and analysis algorithms performed.

The atomic CAD results of Single Image Findings and Composite Features are described in the Colon CAD Findings Summary sub-tree.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a colon CAD report may produce no (or fewer than anticipated) results. Colon CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4127), associated as Composite Features (see TID 4125).

See the figure entitled "Top Levels of Colon CAD SR Content Tree" in the "Colon CAD" Annex of PS 3.17.

TID 4120
COLON CAD DOCUMENT ROOT

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112220, DCM, "Colon CAD Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	INCLUDE	DTID (4122) CAD Common Image Properties Entry	1-n	M		
4	>	CONTAINS	INCLUDE	DTID (4121) Colon CAD Findings Summary	1	M		
5	>	CONTAINS	CODE	EV (111064, DCM, "Summary of Detections")	1	M		DCID (6042) Status of Results
6	>>	INFERRED FROM	INCLUDE	DTID (4015) CAD Detections Performed	1	MC	Shall be present unless the value of row 5 is (111225, DCM, "Not Attempted")	$DetectionCode = DCID (6201) Colon Finding or Feature
7	>	CONTAINS	CODE	EV (111065, DCM, "Summary of Analyses")	1	M		DCID (6042) Status of Results
8	>>	INFERRED FROM	INCLUDE	DTID (4016) CAD Analyses Performed	1	MC	Shall be present unless the value of row 7 is (111225, DCM, "Not Attempted")	$AnalysisCode = DCID (6137) Types of CAD Analysis

Content Item Descriptions

Detections Performed	The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4120, rows 6 and 8) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4121 Colon CAD Findings Summary Template

The contents of this template describe the findings and aggregate features that the colon CAD device detected for the colon evidence presented. This template forms the colon CAD results sub-tree of the Colon CAD Document Root (TID 4120). The data from which the details are inferred are expressed in the Composite Features (see TID 4125) and/or Single Image Findings (see TID 4127), of which there may be several.

The sub-tree headed by this template is illustrated in the figure entitled "Example of CAD Processing and Findings Summary sub-tree of Colon CAD SR Content Tree" in the "Colon CAD" Annex of PS 3.17.

TID 4121
COLON CAD FINDINGS SUMMARY

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, "CAD Processing and Findings Summary")	1	M		DCID (6047) CAD Processing and Findings Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS PROPERTIES	CODE	EV (112222, DCM, “Colon Overall Assessment”)	1	U		DCID (6200) Colon Overall Assessment
3	>	INFERRED FROM	INCLUDE	DTID (4125) Colon CAD Composite Feature	1-n	U		
4	>	INFERRED FROM	INCLUDE	DTID (4127) Colon CAD Single Image Finding	1-n	U		

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Colon CAD Findings Summary sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether colon CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.

TID 4122 CAD Common Image Properties Entry Template

Each instance of the CAD Common Image Properties Entry template contains selected attributes for a set of parallel contiguous equally spaced slices (with identical properties) from which CAD findings are derived.

TID 4122
CAD COMMON IMAGE PROPERTIES ENTRY
Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112224, DCM, “Image Set Properties”)	1	M		
2	>	CONTAINS	UIDREF	EV (112227, DCM, “Frame of Reference UID”)	1	M		
3	>	CONTAINS	UIDREF	EV (110180, DCM, “Study Instance UID”)	1	M		
4	>	CONTAINS	DATE	EV (111060, DCM, “Study Date”)	1	M		Shall be taken from Study Date (0008,0020) in the Image Instances.
5	>	CONTAINS	TIME	EV (111061, DCM, “Study Time”)	1	M		Shall be taken from Study Time (0008,0030) in the Image Instances.
6	>	CONTAINS	CODE	EV (121139, DCM, “Modality”)	1	M		Shall be taken from Modality (0008,0060) in the Image Instances.
7	>	CONTAINS	NUM	EV (111026, DCM, ”Horizontal Pixel Spacing”)	1	M		Shall be taken from value 1 of Pixel Spacing (0028,0030) in the Image Instances. UNITS = EV (mm/{pixel}, UCUM, “millimeters per pixel”)
8	>	CONTAINS	NUM	EV (111066, DCM, ”Vertical Pixel Spacing”)	1	M		Shall be taken from value 2 of Pixel Spacing (0028,0030) in the Image Instances.

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								UNITS = EV (mm/{pixel}, UCUM, "millimeters per pixel")
9	>	CONTAINS	NUM	EV (112225, DCM, "Slice Thickness")	1	M		Shall be taken from Slice Thickness (0018,0050) in the Image Instances. UNITS = EV (mm, UCUM, "millimeter")
10	>	CONTAINS	CODE	EV (112226, DCM, "Spacing between slices")	1	M		Shall be computed from the Image Position (Patient) (0020,0032) projected onto the normal to the Image Orientation (Patient) (0020,0037); may or may not be the same as the Spacing Between Slices (0018,0088) if present. UNITS = EV (mm, UCUM, "millimeter")
11	>	CONTAINS	CODE	EV (112228, SRT, "Recumbent Patient Position with respect to gravity")	1	MC	Required if Patient Position (0018,5100) is present in the image instances and has a value.	Shall be derived from Patient Position (0018,5100) in the Image Instances. DCID (6206) Recumbent Patient Orientation for Colon CAD

TID 4125 Colon CAD Composite Feature Template

This template collects a composite feature for a lesion, non-lesion object, or correlation of related objects (see TID 4121). The details of the composition are expressed in the Colon CAD Composite Feature Body (see TID 4126). The data from which the details are inferred, are expressed in the Composite Features (see TID 4125) and/or Single Image Findings (see TID 4127), of which there may be several.

TID 4125
COLON CAD COMPOSITE FEATURE

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, "Composite Feature")	1	M		DCID (6201) Colon Finding or Feature
2	>	HAS CONCEPT MOD	CODE	EV (112023, DCM, "Composite Feature Modifier")	1	U		DCID (6202) Colon Finding or Feature Modifier
3	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID (6034) Intended Use of CAD Output
4	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 3 is (111151, DCM, "Presentation Optional") and row 1 of TID 4023 is present for the feature identified in row 1.	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 1 of TID 4023 for the feature identified in row 1. Value is restricted to being an integer.
5	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present IFF this feature is duplicated from a different report than its parent.	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>	HAS OBS CONTEXT	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
8	>	HAS PROPERTIES	INCLUDE	DTID (4126) Colon CAD Composite Feature Body	1	M		
9	>	INFERRED FROM	INCLUDE	DTID (4125) Colon CAD Composite Feature	1-n	U		
10	>	INFERRED FROM	INCLUDE	DTID (4127) Colon CAD Single Image Finding	1-n	U		

Content Item Descriptions

Rendering Intent	This content item constrains the SCP receiving the Colon CAD SR IOD in its use of the contents of this template and its target content items. Colon CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent colon CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior.

TID 4126 Colon CAD Composite Feature Body Template

The details of a composite feature are expressed in this template. It is applied to Colon CAD Composite Feature (TID 4125).

TID 4126
COLON CAD COMPOSITE FEATURE BODY

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, “Composite type”)	1	M		DCID (6035) Composite Feature Relations
2			CODE	EV (111057, DCM, “Scope of Feature”)	1	M		DCID (6036) Scope of Feature
3			NUM	EV (111011, DCM, “Certainty of feature”)	1	U		UNITS = EV (%, UCUM, “Percent”) Value = 0 – 100
4			INCLUDE	DTID (4129) Colon CAD Geometry	1	U		
5			INCLUDE	DTID (4128) Colon CAD Descriptors	1	U		
6			NUM	DCID (6207) Colon Quantitative Temporal Difference Type	1-n	UC	May be present IFF the value of row 1 is (111153, DCM, “Target content items are related temporally”)	
7	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 6
8			CODE	EV (111049, DCM, “Qualitative Difference”)	1-n	UC	May be present only if the value of row 1 is (111153, DCM, “Target content items are related temporally”)	DCID (6134) Qualitative Temporal Difference Type
9	>	HAS PROPERTIES	TEXT	EV (111021, DCM, “Description of Change”)	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>	R-INFERRED FROM	CODE		2	M		The referenced content items shall have the same Concept Name and their code values shall be from the same context group.

Content Item Descriptions

Certainty of Feature	The CAD device's certainty that the feature analyzed and classified by the CODE, as specified in the Composite Feature parent template is, in fact, that type of feature.
Row 6	Values ≤ 0 are allowed. The two referenced numeric values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature. Given the equation, A – B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4127 Colon CAD Single Image Finding Template

This template describes a single image finding for a lesion or other object. The details of the finding are expressed in this template and/or more specific templates.

TID 4127
COLON CAD SINGLE IMAGE FINDING

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, "Single Image Finding")	1	M		DCID (6201) Colon Finding or Feature
2	>	HAS CONCEPT MOD	CODE	EV (112024, DCM, "Single Image Finding Modifier")	1	U		DCID (6202) Colon Finding or Feature Modifier
3	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID (6034) Intended Use of CAD Output
4	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 3 is (111151, DCM, "Presentation Optional") and row 1 of TID 4023 is present for the finding identified in row 1	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 1 of TID 4023 for the finding identified in row 1. Value is restricted to being an integer.
5	>	HAS OBS CONTEXT	INCLUDE	DTID (4108) Tracking Identifier	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID (4022) CAD Observation Context	1	MC	Shall be present IFF this finding is duplicated from a different report than its parent.	
7	>	HAS OBS CONTEXT	INCLUDE	DTID (4019) CAD Algorithm Identification	1	M		
8	>	HAS PROPERTIES	NUM	EV (111012, DCM, "Certainty of Finding")	1	U		UNITS = EV (%, UCUM, "Percent")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								Value = 0 – 100
9	>	HAS PROPERTIES	TEXT	EV (111058, DCM, “Selected Region Description”)	1	MC	Shall be present IFF value of row 1 is (111099, DCM, “Selected region”)	
10	>	HAS PROPERTIES	INCLUDE	DTID (4129) Colon CAD Geometry	1	MC	Shall be present unless value of row 1 is (111101, DCM, “Image quality”)	
11	>	HAS PROPERTIES	INCLUDE	DTID (4128) Colon CAD Descriptors	1	U		
12	>	INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”) and row 13 is not present	
13	>	INFERRED FROM	SCOORD	EV (111030, DCM, “Image Region”)	1-n	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”) and row 12 is not present	
14	>>	SELECTED FROM	IMAGE		1	M		All the row 13 content items in a single invocation of this template shall reference the same IMAGE
15	>	HAS PROPERTIES	INCLUDE	DTID (4014) CAD Image Quality	1	MC	Shall be present IFF value of row 1 is (111101, DCM, “Image quality”)	$QualityFinding = DCID (6135) Image Quality Finding $QualityStandard = DCID (6208) Colon Types of Quality Control Standard

Content Item Descriptions

Rendering Intent	This content item constrains the SCP receiving the Colon CAD SR IOD in its use of the contents of this template and its target content items. Colon CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent colon CAD processing steps. Refer to PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior.
CAD Operating Point	Additional information to use when Rendering Intent is “Presentational Optional”. A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of “Presentation Required”. See PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior and PS 3.17 annex on Mammography.
Certainty of Finding	The certainty of the CAD device that the finding detected and classified by the Single Image Finding CODE specified is in fact that type of finding.

TID 4128 Colon CAD Descriptors

This template provides qualitative detail for a Single Image Finding or Composite Feature. It is applied to Colon CAD Composite Feature (TID 4125) and Colon CAD Single Image Finding (TID 4127).

TID 4128
COLON CAD DESCRIPTORS

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (G-C504, SRT, "Associated Morphology")	1-n	U		DCID (6209) Colon Morphology Descriptor
2			CODE	EV (G-C036, SRT, "Finding Site")	1	U		DCID (6210) Location in Intestinal Tract
3			CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID (6205) Clockface Location for Colon
4		CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (6212) Calculated Value for Colon Findings $Derivation = DCID (6140) Calculation Methods $DerivationParameter = EV (112032, DCM, "Threshold Attenuation Coefficient") $DerivationParameterUnits = EV ([hnsf'U], UCUM, "Hounsfield unit")
5			INCLUDE	DTID (1400) Linear Measurement	1-n	U		
6			INCLUDE	DTID (1401) Area Measurement	1-n	U		
7			INCLUDE	DTID (1402) Volume Measurement	1-n	U		
8			INCLUDE	DTID (1406) 3D Linear Measurement	1-n	U		
9			NUM	DCID (6141) Attenuation Coefficient Measurements	1-n	U		UNITS = EV ([hnsf'U], UCUM, "Hounsfield unit")
10	>	HAS PROPERTIES	CODE	EV (112009, DCM, "Type of Content")	1	U		DCID (6211) Colon CAD Material Description

Content Item Descriptions

Row 3	12 o'clock position is the anterior direction of the patient regardless of the positioning with respect to gravity; clockwise is from the point of view of an observer located closer to the anus than the finding being observed.

TID 4129 Colon CAD Geometry Template

All geometry template invocations require specification of either the location of the center of the object, the outline, or both. Geometry is a property of single image findings (see TID 4127) and composite features (see TID 4125).

TID 4129
COLON CAD GEOMETRY

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111010, DCM, "Center")	1	MC	At least one of rows 1, 3, 4, 6 or 11 shall be present.	GRAPHIC TYPE = {POINT}
2	>	SELECTED FROM	IMAGE		1	M		
3			SCOORD3D	EV (111010, DCM, "Center")	1	MC	At least one of rows 1, 3, 4, 6 or 11 shall be present.	GRAPHIC TYPE = {POINT}

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			SCOORD	EV (111041, DCM, “Outline”)	1	MC	At least one of rows 1, 3, 4, 6 or 11 shall be present.	
5	>	SELECTED FROM	IMAGE		1	M		
6			SCOORD3D	EV (111041, DCM, “Outline”)	1	MC	At least one of rows 1, 3, 4, 6 or 11 shall be present.	
7			SCOORD	DCID (6166) CAD Geometry Secondary Graphical Representation	1-n	U		
8	>	SELECTED FROM	IMAGE		1	M		
9			SCOORD3D	DCID (6166) CAD Geometry Secondary Graphical Representation	1-n	U		
10			IMAGE	EV (112229, DCM, “Identifying Segment”)	1	MC	At least one of rows 1, 3, 4, 6 or 11 shall be present.	Referenced image shall be a Segmentation and the content item shall include Referenced Segment Number (0062,000B)

BREAST IMAGING REPORT TEMPLATES

The templates that comprise the Breast Imaging Report are interconnected as in Figure A-10:

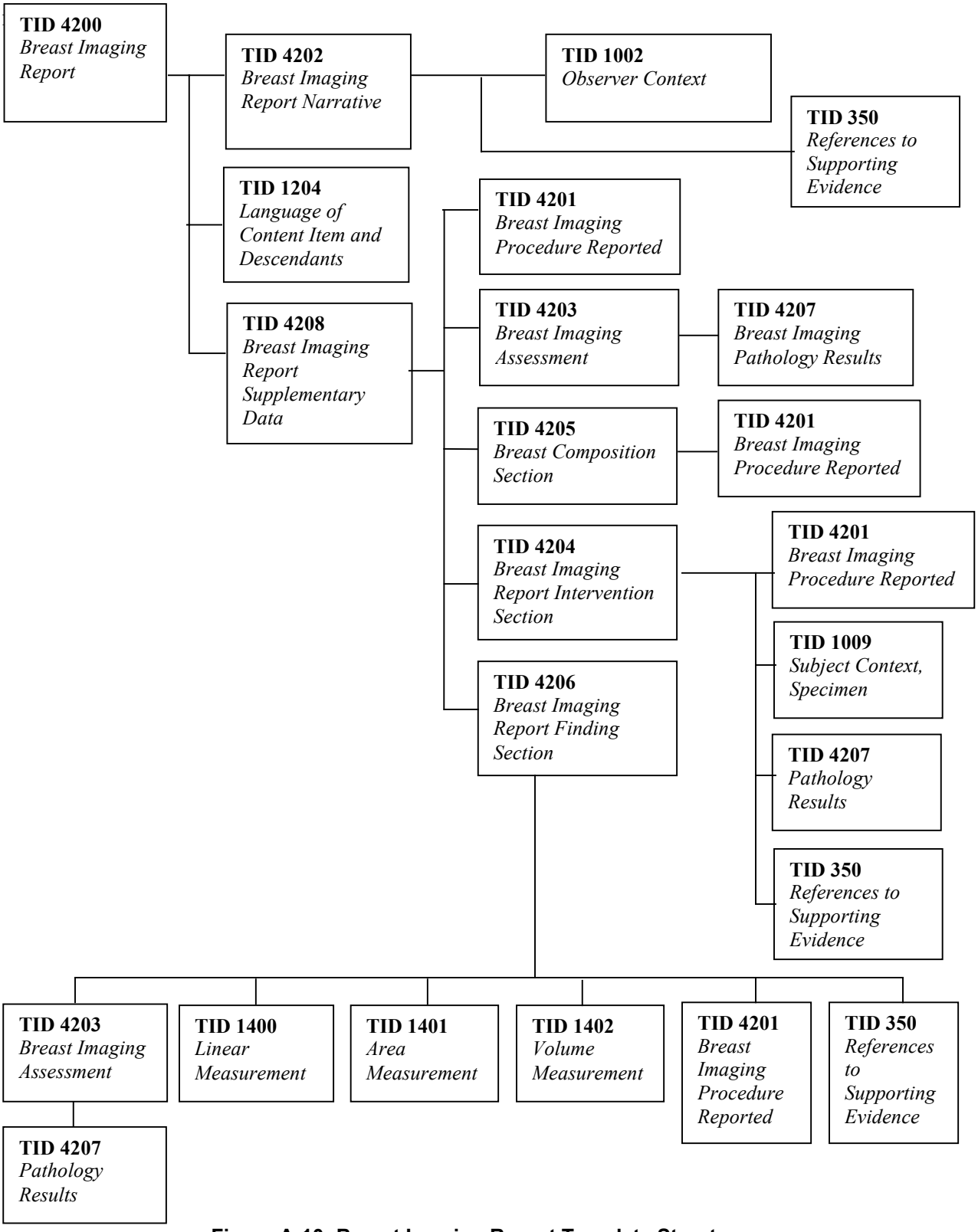


Figure A-10: Breast Imaging Report Template Structure

TID 4200 Breast Imaging Report

This template forms the content tree that allows a Breast Imaging Report device to describe the results of a radiologist's diagnostic interpretation of Breast Imaging (e.g., X-ray mammography or breast ultrasound) evidence. This template, together with its subordinate templates, describes the results for presentation to clinicians, or for consumption by Breast Imaging Report devices for subsequent Breast Imaging Reports.

This template shall be instantiated at the Root node only.

See the figure entitled "Top Levels of Breast Imaging Report Content Tree" in the "Breast Imaging Report Content Tree Structure" Annex of PS 3.17.

TID 4200
BREAST IMAGING REPORT

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111400, DCM, "Breast Imaging Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	INCLUDE	DTID (4202) Breast Imaging Report Narrative	1	M		
4	>	CONTAINS	INCLUDE	DTID (4208) Breast Imaging Report Supplementary Data	1	U		

TID 4201 Breast Imaging Procedure Reported

A procedure that is reported in a Breast Imaging Report is expressed in this template. The results of more than one procedure may be included in a single report instance (see TID 4208).

See the figure entitled “Breast Imaging Procedure Reported Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

TID 4201
BREAST IMAGING PROCEDURE REPORTED

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DCID (6050) Breast Procedure Reported
2	>	HAS CONCEPT MOD	CODE	EV (111464, DCM, “Procedure Modifier”)	1-n	U		DCID (6058) Procedure Modifiers for Breast
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	M		DCID (6022) Side
4	>	HAS PROPERTIES	CODE	EV (111401, DCM, ”Reason for procedure”)	1	U		DCID (6051) Breast Procedure Reason
5	>>	HAS CONCEPT MOD	CODE	EV (G-D709, SRT, “Relative time”)	1	U		DCID (12102) Temporal Periods Relating To Procedure or Therapy
6	>>	HAS CONCEPT MOD	CODE	EV (111402, DCM, ”Clinical Finding”)	1-n	UC	IFF row 4 value is “Clinical Finding”	DCID (6055) Breast Clinical Finding or Indicated Problem
7	>>>	HAS PROPERTIES	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
8	>	HAS PROPERTIES	DATE	EV (111060, DCM, ”Study Date”)	1	U		

Content Item Descriptions

Row 5 “Relative time”	This content item indicates whether the value of “Reason for procedure” (row 4) is modified with “pre-“ or “follow-up”.

TID 4202 Breast Imaging Report Narrative

This template contains the narrative text sub-tree of the content tree of a Breast Imaging Report. The narrative summary may be subdivided into sections with section headings.

See the figure entitled “Breast Imaging Report Narrative Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

TID 4202
BREAST IMAGING REPORT NARRATIVE

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111412, DCM, “Narrative Summary”	1	M		
2	>	CONTAINS	CONTAINER	BCID (6052) Breast Imaging Report Section Title	1-n	M		
3	>>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	U		
4	>>	CONTAINS	TEXT	BCID (6053) Breast Imaging Report Elements	1	M		
5	>>>	INFERRED FROM	INCLUDE	DTID (350) References to Supporting Evidence	1	U		

TID 4203 Breast Imaging Assessment

This template provides the content of a Breast Imaging Assessment, for an overall assessment section for the entire report (see TID 4208) or an assessment of a particular finding (see TID 4206). This template defines a code-based assessment of the interpretation results.

See the figure entitled “Breast Imaging Assessment Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

TID 4203
BREAST IMAGING ASSESSMENT

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111005, DCM, “Assessment Category”)	1	M		DCID (6026) Mammography Assessment
2			CODE	EV (111053, DCM, “Recommended Follow-up”)	1-n	U		BCID (6028) Mammography Recommended Follow-up
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		DCID (6022) Side
4	>	HAS PROPERTIES	NUM	EV (111055, DCM, “Recommended Follow-up Interval”)	1	U		UNITS = DCID (6046) Units of Follow-up Interval Values = Integer ≥ 0, where 0 = immediate follow-up
5	>	HAS PROPERTIES	DATE	EV (111054, DCM, “Recommended Follow-up Date”)	1	U		
6	>	HAS PROPERTIES	INCLUDE	DTID (4207) Breast Imaging Pathology Results	1-n	U		

TID 4204 Breast Imaging Report Intervention Section

This template defines a supplementary data section for an Intervention of the breast, for the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

TID 4204
BREAST IMAGING REPORT INTERVENTION SECTION

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111463, DCM, ”Supplementary Data for Intervention”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (4201) Breast Imaging Procedure Reported	1	M		
3	>	CONTAINS	CODE	EV (A-00110, SRT, “Instrument”)	1	U		
4	>>	HAS PROPERTIES	TEXT	EV (111465, DCM, “Needle Gauge”)	1	UC	XOR row 5	
5	>>	HAS PROPERTIES	CODE	EV (111465, DCM, “Needle Gauge”)	1	UC	XOR row 4	
6	>>	HAS PROPERTIES	NUM	EV (111467, DCM, “Needle Length”)	1	U		UNITS = EV (cm, UCUM, ”centimeter”)
7	>	CONTAINS	NUM	EV (111436, DCM, “Number of passes”)	1	U		UNITS = EV ({passes}, UCUM, ”passes”)
8	>	CONTAINS	NUM	EV (111437, DCM, “Number of specimens”)	1	U		UNITS = EV ({specimens}, UCUM, ”specimens”)
9	>	CONTAINS	CODE	EV (111431, DCM, “Instrument Approach”)	1-n	U		DCID (6065) Instrument Approach
10	>	CONTAINS	CODE	EV (111438, DCM, “Needle in target”)	1	U		DCID (230) Yes-No
11	>	CONTAINS	NUM	EV (111439, DCM, “Number of needles around target”)	1	U		UNITS = EV ({needles}, UCUM, ”needles”)
12	>	CONTAINS	CODE	EV (F-04460 SRT, ”Medication given”)	1-n	U		
13	>	CONTAINS	CODE	EV (111440, DCM, “Incision made”)	1	U		DCID (230) Yes-No
14	>	CONTAINS	CODE	EV (111123, DCM, “Marker placement”)	1	U		DCID (230) Yes-No
15	>	CONTAINS	CODE	EV (111442, DCM, “Confirmation of target”)	1	U		DCID (6066) Target Confirmation
16	>	CONTAINS	CODE	EV (DD-60002, SRT, “Complication of procedure”)	1-n	U		DCID (6062) Interventional Procedure Complications
17	>>	HAS PROPERTIES	CODE	EV (111466, DCM, ”Severity	1	U		DCID (251) Severity of Complication

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				of Complication")				
18	>	CONTAINS	CONTAINER	EV (121027, DCM, "Specimen")	1-n	U		
19	>>	HAS OBS CONTEXT	INCLUDE	DTID (1009) Subject Context, Specimen	1	U		
20	>>	CONTAINS	CODE	EV (F-00E6D, SRT, "Color of fluid")	1	U		DCID (6067) Fluid Color
21	>>	CONTAINS	CODE	EV (111456, DCM, "Action on fluid")	1	U		DT (111457, DCM, "Sent for analysis") or DT (111458, DCM, "Discarded")
22	>>	CONTAINS	CODE	EV (111455, DCM, "Occult blood test result")	1	U		DCID (250) Positive-Negative
23	>>	CONTAINS	INCLUDE	DTID (4207) Breast Imaging Pathology Results	1-n	U		
24	>	CONTAINS	INCLUDE	DTID (350) References to Supporting Evidence	1	U		

TID 4205 Breast Composition Section

This template defines a Breast Composition section for the supplementary data sub-tree of the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

TID 4205
BREAST COMPOSITION SECTION

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (F-01710, SRT, “Breast composition”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (4201) Breast Imaging Procedure Reported	1-n	U		
3	>	CONTAINS	CODE	EV (F-01710, SRT, “Breast composition”)	1-n	MC	At least one of row 3, 5 shall be present	DCID (6000) Overall Breast Composition
4	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	M		DCID (6022) Side
5	>	CONTAINS	NUM	EV (111046, DCM, “Percent Fibroglandular Tissue”)	1-n	MC	At least one of row 3, 5 shall be present	UNITS = (%, UCUM “Percent”)
6	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	M		DCID (6022) Side
7	>	CONTAINS	CODE	EV (111350, DCM, ”Breast background echotexture”)	1-2	U		DCID (6151) Background echotexture
8	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, ”Laterality”)	1	M		DCID (6022) Side

TID 4206 Breast Imaging Report Finding Section

This template defines a supplementary data section for the Findings of the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

TID 4206
BREAST IMAGING REPORT FINDING SECTION

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1-n	U		
3	>	CONTAINS	INCLUDE	DTID (4201) Breast Imaging Procedure Reported	1	M		
4	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID (6054) Breast Imaging Findings
5	>>	HAS CONCEPT MOD	CODE	EV (111405, DCM, "Implant type")	1-n	UC	May be present if value of row 4 is (A-04010, SRT, "Implant")	DCID (6059) Breast Implant Types
6	>>	HAS PROPERTIES	INCLUDE	DTID (4203) Breast Imaging Assessment	1	U		
7	>>	HAS PROPERTIES	CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID (6018) Clockface Location or Region
8	>>	HAS PROPERTIES	CODE	EV (111048, DCM, "Quadrant location")	1	U		DCID (6020) Quadrant Location
9	>>	HAS PROPERTIES	INCLUDE	DTID (1400) Linear Measurement	1-n	U		
10	>>	HAS PROPERTIES	INCLUDE	DTID (1401) Area Measurement	1-n	U		
11	>>	HAS PROPERTIES	INCLUDE	DTID (1402) Volume Measurement	1-n	U		
12	>>	HAS PROPERTIES	CODE	EV (111020, DCM, "Depth")	1	U		DCID (6024) Depth
13	>>	HAS PROPERTIES	CODE	EV (111035, DCM, "Lesion Density")	1	U		DCID (6008) Density Modifier
14	>>	HAS PROPERTIES	CODE	EV (M-020F9, SRT, "Shape")	1-n	U		DCID (6004) Mammography Characteristics of Shape
15	>>	HAS PROPERTIES	CODE	EV (111037, DCM, "Margins")	1-n	U		DCID (6006) Mammography Characteristics of Margin
16	>>	HAS PROPERTIES	CODE	EV (111009, DCM, "Calcification Type")	1-n	U		DCID (6010) Mammography Calcification Types
17	>>	HAS PROPERTIES	CODE	EV (111008, DCM, "Calcification Distribution")	1	U		DCID (6012) Calcification Distribution Modifier
18	>>	HAS PROPERTIES	NUM	EV (111038, DCM, "Number of calcifications")	1	U		UNITS = EV ({calcifications}, UCUM, "calcifications")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								Value = Integer 1 – n
19	>>	HAS PROPERTIES	CODE	EV (111407, DCM, “Implant finding”)	1-n	U		DCID (6072) Breast Implant Findings
20	>>	HAS PROPERTIES	CODE	EV (G-C189, SRT, ”Associated Finding”)	1-n	U		DCID (6056) Associated Findings for Breast
21	>>	HAS PROPERTIES	NUM	EV (111406, DCM, ”Number of similar findings”)	1	U		UNITS = EV ({findings}, UCUM, “findings”) Value = Integer 2 – n
22	>>	HAS PROPERTIES	CODE	EV (F-01720, SRT, ”Change since last mammogram”)	1-n	U		DCID (6002) Change Since Last Mammogram or Prior Surgery
23	>>	HAS PROPERTIES	CODE	EV (111354, DCM, ”Orientation”)	1	U		DCID (6152) Orientation
24	>>	HAS PROPERTIES	CODE	EV (111357, DCM, ”Lesion boundary”)	1	U		DCID (6153) Lesion boundary
25	>>	HAS PROPERTIES	CODE	EV (111360, DCM, ”Echo pattern”)	1	U		DCID (6154) Echo pattern
26	>>	HAS PROPERTIES	CODE	EV (111366, DCM, ”Posterior acoustic features”)	1	U		DCID (6155) Posterior acoustic features
27	>>	HAS PROPERTIES	CODE	EV (111371, DCM, ”Identifiable effect on surrounding tissues”)	1	U		DCID (6015) Single Image Finding from BI-RADS®
28	>>	HAS PROPERTIES	CODE	EV (111372, DCM, ”Vascularity”)	1	U		DCID (6157) Vascularity
29	>>	HAS PROPERTIES	CODE	EV (111380, DCM, ”Correlation to Other Findings”)	1-n	U		DCID (6158) Correlation to Other Findings
30	>>	INFERRED FROM	INCLUDE	DTID (350) References to Supporting Evidence	1	U		

TID 4207 Breast Imaging Pathology Results

This template defines the pathology results for a procedure. It may be applied to a Breast Imaging Assessment (see TID 4203), or a Breast Imaging Intervention (see TID 4204).

TID 4207
BREAST IMAGING PATHOLOGY RESULTS

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111468, DCM, "Pathology Results")	1	M		
2	>	CONTAINS	INCLUDE	DTID (4201) Breast Imaging Procedure Reported	1	U		
3	>	CONTAINS	DATETIME	EV (111469, DCM, "Sampling DateTime")	1	M		
4	>	CONTAINS	CODE	EV (122177, DCM, "Procedure Result")	1	M		DCID (6063) Interventional Procedure Results
5	>	CONTAINS	CODE	EV (111042, DCM, "Pathology")	1-n	U		BCID (6030) Mammography Pathology Codes
6	>>	HAS PROPERTIES	CODE	EV (111388, DCM, "Malignancy Type")	1	U		DCID (6159) Malignancy Type
7	>>	HAS PROPERTIES	NUM	DCID (6165) Breast Linear Measurements	1-n	U		UNITS = EV (mm, UCUM, "millimeter")
8	>>	HAS PROPERTIES	CODE	EV (F-02900, SRT, "Histological grade finding")	1	U		BCID (6069) Nottingham Combined Histologic Grade, BCID (6070) Bloom-Richardson Histologic Grade
9	>>>	HAS CONCEPT MOD	CODE	EV (R-00258, SRT, "Histologic grade")	1	U		BCID (6071) Histologic Grading Method
10	>>	HAS PROPERTIES	CODE	EV (R-00274, SRT, "Tumor margin status")	1	U		DT (111470, DCM, "Uninvolved"), DT (111471, DCM, "Involved")
11	>>	HAS PROPERTIES	CODE	EV (111472, DCM, "Nipple involved")	1	U		DCID (230) Yes-No
12	>>	HAS PROPERTIES	NUM	EV (111473, DCM, "Number of nodes removed")	1	U		UNITS=EV ({nodes}, UCUM, "nodes")
13	>>	HAS PROPERITES	NUM	EV (111474, DCM, "Number of nodes positive")	1	MC	Shall be present IFF value of row 12 is > 0	UNITS=EV ({nodes}, UCUM, "nodes")
14	>>	HAS PROPERTIES	CODE	EV (R-00465, SRT, "pT category finding")	1	U		DCID (6160) Breast Primary Tumor Assessment from AJCC
15	>>	HAS PROPERTIES	CODE	EV (R-00463, SRT, "Node stage finding")	1	U		DCID (6161) Clinical Regional Lymph Node Assessment for Breast
16	>>	HAS PROPERTIES	CODE	EV (R-00461, SRT, "Metastasis	1	U		DCID (6162) Assessment of Metastasis for Breast

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				stage finding")				
17	>>	HAS PROPERTIES	CODE	EV (R-00443, SRT, "Tumor stage finding")	1	U		BCID (6068) Tumor Stages from AJCC
18	>>	HAS PROPERTIES	CODE	EV (111475, DCM, "Estrogen receptor")	1	U		DCID (250) Positive-Negative
19	>>	HAS PROPERTIES	CODE	EV (111476, DCM, "Progesterone receptor")	1	U		DCID (250) Positive-Negative
20	>>	HAS PROPERTIES	NUM	EV (111477, DCM, "S Phase")	1	U		UNITS=EV (%, UCUM, "percent")

TID 4208 Breast Imaging Report Supplementary Data

This template forms a supplementary data sub-tree of the content tree of a Breast Imaging Report. Each subsection provides a specific type of supporting evidence to the narrative text sub-tree, for example, as coded and numeric data.

See the figure entitled "Breast Imaging Report Supplementary Data Content Tree" in the "Breast Imaging Report Content Tree Structure" Annex of PS 3.17.

TID 4208
BREAST IMAGING REPORT SUPPLEMENTARY DATA

Type: Non-Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111414, DCM, "Supplementary Data")	1	M		
2	>	CONTAINS	INCLUDE	DTID (4201) Breast Imaging Procedure Reported	1-n	M		
3	>	CONTAINS	CODE	EV (111403, DCM, "Baseline screening mammogram")	1	U		DCID (230) Yes-No
4	>	CONTAINS	CODE	EV (111404, DCM, "First mammogram ever")	1	U		DCID (230) Yes-No
5	>	CONTAINS	INCLUDE	DTID (4205) Breast Composition Section	1	U		
6	>	CONTAINS	INCLUDE	DTID (4206) Breast Imaging Report Finding Section	1-n	U		
7	>	CONTAINS	INCLUDE	DTID (4204) Breast Imaging Report Intervention Section	1-n	U		
8	>	CONTAINS	CONTAINER	EV (111413, DCM, "Overall Assessment")	1	U		
9	>>	CONTAINS	INCLUDE	DTID (4203) Breast Imaging Assessment	1	M		

OB-GYN REPORT TEMPLATES

TID 5000 OB-GYN Ultrasound Procedure Report

This is the template for the root of the content tree for the OB-GYN ultrasound procedure report.

TID 5000
OB-GYN Ultrasound Procedure Report
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125000, DCM, "OB-GYN Ultrasound Procedure Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1001) Observation Context	1	M		
4	>	CONTAINS	INCLUDE	DTID (5001) Patient Characteristics	1	U		
5	>	CONTAINS	CONTAINER	DT (111028, DCM, "Image Library")	1	U		
6	>>	CONTAINS	IMAGE	No purpose of reference	1-n	M		
7	>	CONTAINS	INCLUDE	DTID (5002) OB-GYN Procedure Summary Section	1	U		
8	>	CONTAINS	INCLUDE	DTID (5004) Fetal Biometry Ratio Section	1-n	U		
9	>	CONTAINS	INCLUDE	DTID (5005) Fetal Biometry Section	1-n	U		
10	>	CONTAINS	INCLUDE	DTID (5006) Long Bones Section	1-n	U		
11	>	CONTAINS	INCLUDE	DTID (5007) Fetal Cranium Section	1-n	U		
12	>	CONTAINS	INCLUDE	DTID (5009) Fetal Biophysical Profile Section	1-n	U		
13	>	CONTAINS	INCLUDE	DTID (5011) Early Gestation Section	1-n	U		
14	>	CONTAINS	INCLUDE	DTID (5010) Amniotic Sac Section	1	U		
15	>	CONTAINS	INCLUDE	DTID (5015) Pelvis and Uterus Section	1	U		
16	>	CONTAINS	INCLUDE	DTID (5012) Ovaries Section	1	U		
17	>	CONTAINS	INCLUDE	DTID (5013) Follicles Section	1	U		$Laterality = EV (G-A101, SRT, "Left") $Number = EV (11879-4, LN, "Number of follicles in left ovary")
18	>	CONTAINS	INCLUDE	DTID (5013) Follicles Section	1	U		$Laterality = EV (G-A100, SRT, "Right") $Number = EV (11880-2, LN, "Number of follicles in right ovary")
19	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
20	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, "Finding SIte")	1	M		EV (T-F6800, SRT, "Embryonic Vascular Structure")
21	>>	CONTAINS	INCLUDE	DTID (5025) OB-GYN Fetal Vascular Measurement Group	1	M		$AnatomyGroup = DCID (12141) Fetal Vasculature
22	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
23	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, "Finding SIte")	1	M		EV (T-D6007, SRT, "Pelvic Vascular Structure")
24	>>	CONTAINS	INCLUDE	DTID (5026) OB-GYN Pelvic Vascular Measurement Group	1	M		$AnatomyGroup = DCID (12140) Pelvic Vasculature Anatomical Location

TID 5001 OB-GYN Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

TID 5001
OB-GYN PATIENT CHARACTERISTICS
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, “Patient Characteristics”)	1	M		
2	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		
3	>	CONTAINS	NUM	EV (8302-2, LN, “Patient Height”)	1	U		
4	>	CONTAINS	NUM	EV (29463-7, LN, “Patient Weight”)	1	U		
5	>	CONTAINS	NUM	EV (11996-6, LN, “Gravida”)	1	U		
6	>	CONTAINS	NUM	EV (11977-6, LN, “Para”)	1	U		
7	>	CONTAINS	NUM	EV (11612-9, LN, “Aborta”)	1	U		
8	>	CONTAINS	NUM	EV (33065-4, LN, “Ectopic Pregnancies”)	1	U		

TID 5002 OB-GYN Procedure Summary Section

Observations of the procedure of immediate clinical interest.

TID 5002
OB-GYN PROCEDURE SUMMARY SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121111, DCM, “Summary”)	1	M		
2	>	CONTAINS	DATE	DCID (12003) OB-GYN Dates	1-n	U		
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = BCID (12018) OB-GYN Summary
4	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1-n	U		
5	>>		INCLUDE	DTID (320) Image or Spatial Coordinates	1-n	U		
6	>	CONTAINS	INCLUDE	BTID (5003) OB-GYN Fetus Summary	1-n	UC	No more than 1 inclusion per fetus	

TID 5003 OB-GYN Fetus Summary

The Fetus Summary template is a container for summary data of a fetus.

TID 5003
OB-GYN PROCEDURE FETUS SUMMARY
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125008, DCM, “Fetus Summary”)	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1-n	U		
4	>>		INCLUDE	DTID (320) Image or Spatial Coordinates	1	U		
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (12019) OB-GYN Fetus Summary $Equation = DCID (12012) OB Equations and Tables

TID 5004 Fetal Biometry Ratio Section

The Fetal Biometry Section Ratio template is a container for common biometric ratios.

TID 5004
FETAL BIOMETRY RATIO SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125001, DCM, “Fetal Biometry Ratios”)	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	NUM	DCID (12004) Fetal Biometry Ratios	1-n	M		
4	>>	R-INFERRED FROM	NUM		2	U		
5	>>	HAS PROPERTIES	INCLUDE	DTID (312) Normal Range Properties	1	U		

Content Item Descriptions

Row 3	Numeric ratio related to fetal growth
Row 4	Reference to the numerator and denominator of the ratio.

TID 5005 Fetal Biometry Section

The Fetal Biometry Section template is a container for common biometric groups.

TID 5005
FETAL BIOMETRY SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125002, DCM, ”Fetal Biometry”)	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID (5008) Fetal Biometry Group	1-n	M		$BiometryType = MemberOf {DCID (12005) Fetal Biometry Measurements}

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5006 Fetal Long Bones Section

The Long Bones template is a container for biometric data of long bones.

TID 5006
FETAL LONG BONES SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125003, DCM, "Fetal Long Bones")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID (5008) Fetal Biometry Group	1-n	M		$BiometryType = MemberOf {DCID (12006) Fetal Long Bones Biometry Measurements}

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5007 Fetal Cranium Section

The Fetal Cranium template is a container for groups of biometric data of the fetal cranium.

TID 5007
FETAL CRANIUM SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125004, DCM, "Fetal Cranium")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID (5008) Fetal Biometry Group	1-n	M		$BiometryType = MemberOf {DCID (12007) Fetal Cranium}

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5008 Fetal Biometry Group

The Biometry Group template is container for a biometric value and its associated growth metrics.

TID 5008 Parameters

Parameter Name	Parameter Usage
$BiometryType	The concept name of the biometry measurement

TID 5008
FETAL BIOMETRY GROUP
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT(125005, DCM, ”Biometry Group”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	MC	At least one of row 2 and 3 shall be present	$Measurement = $BiometryType $Derivation = DCID (3627) Measurement Type
3	>	CONTAINS	NUM	EV (18185-9, LN, ”Gestational Age”)	1	MC	At least one of row 2and 3 shall be present	Units= EV (d,UCUM, days)
4	>>	INFERRED FROM	CODE	DCID (228) Equation or Table	1	U		DCID (12013) Gestational Age Equations and Tables
5	>>	R-INFERRED FROM	NUM		1-n	U		
6	>>	HAS PROPERTIES	NUM	DCID (226) Population Statistical Descriptors	1-n	U		
7	>	CONTAINS	NUM	DCID (12017) Growth Distribution Rank	1	U		
8	>>	INFERRED FROM	CODE	DCID (228) Equation or Table	1	U		DCID (12015) Fetal Growth Equations and Tables

Content Item Descriptions

Row 1	Container to segregate biometry data by measurement type
Row 2	The discrete measurements of the biometry type including derived measurements such as mean. One of the measurements may be flagged as selected for derived measurements.
Row 3	The estimated gestational age derived from an equation or table based on the explicitly referenced R-INFERRED FROM content item, selected measurement or mean, in that order of preference.
Row 4	The reference that defines the equation or table of GA derivation
Row 6	The uncertainty/confidence limits of the gestational age
Row 7	Expresses the rank of the selected or mean measurement of row 2 relative to the distribution specified in row 8.
Row 8	This row specifies the CODE reference used to compute the percentile or Z-score.

TID 5009 Fetal Biophysical Profile Section

This template encodes scoring observations for fetal well-being evaluation as described by Manning, Antepartum Fetal Evaluation: Development of a Fetal Biophysical Profile Score, Am. J Obsetet Gynecol, 1980;136:787.

TID 5009
FETAL BIOPHYSICAL PROFILE SECTION

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125006, DCM, ”Biophysical Profile”)	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	NUM	EV (11631-9, LN, “Gross Body Movement”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, ”range 0:2”)
4	>	CONTAINS	NUM	EV (11632-7, LN, “Fetal Breathing”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, ”range 0:2”)
5	>	CONTAINS	NUM	EV (11635-0, LN, “Fetal Tone”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, ”range 0:2”)
6	>	CONTAINS	NUM	EV (11635-5, LN, “Fetal Heart Reactivity”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, ”range 0:2”)
7	>	CONTAINS	NUM	EV (11630-1, LN, “Amniotic Fluid Volume”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, ”range 0:2”)
8	>	CONTAINS	NUM	DT (11634-3, LN, “Biophysical Profile Sum Score”)	1	U		

Content Item Descriptions

Row 3-7	The numeric profile score of range 0-2
Row 8	The sum of rows 3-7. The range is from 0 to the maximum possible score according the items scored in rows 3-7.

TID 5010 Amniotic Sac Section

This template specifies a container for amniotic sac quadrant diameters and a derived index.

TID 5010
AMNIOTIC SAC SECTION
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-F1300, SRT, ”Amniotic Sac”)
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		$Measurement = DT (11627-7, LN, “Amniotic Fluid Index”)
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	4	U		$Measurement = DCID (12008) OB-GYN

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
								Amniotic Sac

Content Item Descriptions

Row 3	The sum of the 4 quadrant diameters
Row 4	The four amniotic sac quadrant diameters

TID 5011 Early Gestation Section

The Early Gestation Section template is a container for common, first trimester biometric groups.

TID 5011
EARLY GESTATION SECTION
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125009, DCM, “Early Gestation”)	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID (5008) Fetal Biometry Group	1-n	M		$BiometryType= Member of {DCID (12009) Early Gestation Biometry Measurements}

TID 5012 Ovaries Section

This template contains metrics of ovary size.

TID 5012
OVARIES SECTION
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-87000, SRT, ”Ovary”)
3	>	CONTAINS	INCLUDE	DTID (5016) LWH Volume Group	1	U		$GroupName = EV (T-87000, SRT, ”Ovary”) $Width =EV (11829-9,LN, ”Left Ovary Width”) $Length =EV (11840-6, LN, ”Left Ovary Length”) $Height =EV (11857-0 , LN,” Left Ovary Height”) $Volume=EV (12164-0, LN, ”Left Ovary Volume”)
4	>	CONTAINS	INCLUDE	DTID (5016) LWH Volume Group	1	U		$GroupName = EV (T-87000, SRT, ”Ovary”) $Width = EV (11830-7, LN,

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
								”Right Ovary Width”) $Length = EV (11841-4, LN, ”Right Ovary Length”) $Height = EV (11858-8, LN, ”Right Ovary Height”) $Volume= EV (12165-7, LN, ”Right Ovary Volume”)

TID 5013 Follicles Section

This template contains follicle metrics for left or right ovarian follicles.

TID 5013 Parameters

Parameter Name	Parameter Usage
$Laterality	Ovary laterality
$Number	The number of follicles

TID 5013
FOLLICLES SECTION
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-87600, SRT, “Ovarian Follicle”)
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality”)	1	M		$Laterality
4	>	CONTAINS	NUM	$Number	1	U		
5	>	CONTAINS	INCLUDE	DTID (5014) Follicle Measurement Group	1-n	U		

TID 5014 Follicle Measurement Group

This template contains metrics for one ovarian follicle.

TID 5014
FOLLICLE MEASUREMENT GROUP
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125007, DCM, “Measurement Group”)	1	M		
2	>	HAS OBS CONTEXT	TEXT	EV (125010, DCM, “Identifier”)	1	U		Unique among all groups of same laterality
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		$Measurement = EV (G-D705, SRT, “Volume”)
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = EV (11793-7, LN, “Follicle Diameter”) $Derivation = DCID (3627) Measurement

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
								Type

TID 5015 Pelvis and Uterus Section

This template contains general measurements in the pelvis and uterus.

TID 5015
PELVIS AND UTERUS SECTION
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125011, DCM, “Pelvis and Uterus”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (5016) LWH Volume Group	1	U		$GroupName = EV (T-83000, SRT, ”Uterus”) $Width = EV (11865-3,LN,” Uterus Width”) $Length = EV (11842-2, LN,” Uterus Length”) $Height = EV (11859-6, LN,” Uterus Height”) $Volume = EV (33192-6, LN, ”Uterus Volume”)
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (12011) Ultrasound Pelvis and Uterus $Derivation = DCID (3627) Measurement Type

TID 5016 LWH Volume Group

This template is a container for a group of measurements that assess the size of an anatomical structure using a volume derived from perpendicular diameters.

TID 5016 Parameters

Parameter Name	Parameter Usage
$GroupName	The name of the volume group
$Volume	Concept name of volume measurement
$Length	Concept name of length measurement
$Width	Concept name of width measurement
$Height	Concept name of height measurement

TID 5016
LWH VOLUME GROUP
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
1			CONTAINER	$GroupName	1	M		
2	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	MC	At least one of row 2,3,4,5 shall be present	$Measurement = $Volume
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	MC	At least one of row	$Measurement =

	NL	Relation with Parent	Value Type	Concept Name	V M	Req Type	Condition	Value Set Constraint
							2,3,4,5 shall be present	$Length $Derivation = DCID (3627) Measurement Type
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	MC	At least one of row 2,3,4,5 shall be present	$Measurement = $Width $Derivation = DCID (3627) Measurement Type
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	MC	At least one of row 2,3,4,5 shall be present	$Measurement = $Height $Derivation = DCID (3627) Measurement Type

TID 5025 OB-GYN Fetal Vascular Ultrasound Measurement Group

This template is an anatomy specific container of OB-GYN fetal vascular measurements.

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

TID 5025
OB-GYN FETAL VASCULAR ULTRASOUND MEASUREMENT GROUP
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT “Laterality”)	1	MC	IFF anatomy has laterality	DCID (244) Laterality
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$MeasType = DCID (12119) Vascular Ultrasound Property $Derivation = DCID (3627) Measurement Type

Content Item Descriptions

Anatomy Group	Specifies the anatomical context of the observations in the group.

TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group

This template is an anatomy specific container of OB-GYN pelvic vascular measurements.

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

TID 5026
OB-GYN PELVIC VASCULAR ULTRASOUND MEASUREMENT GROUP
Type: Extensible
- Standard -

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality”)	1	MC	IFF anatomy has laterality	DCID (244) Laterality
3>		HAS CONCEPT MOD	TEXT	(112050, DCM, “Anatomic Identifier”)	1	U		
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$MeasType = DCID (12119) Vascular Ultrasound Property $Derivation = DCID (3627) Measurement Type

Content Item Descriptions

Row 1	Specifies the anatomical context of the observations in the group.
Row 3	Differentiates between multiple structures such as the two umbilical arteries.

VASCULAR ULTRASOUND REPORT TEMPLATES

TID 5100 Vascular Ultrasound Report

This is the template for the root the content tree for the vascular ultrasound procedure report.

Type: Extensible

TID 5100
VASCULAR ULTRASOUND REPORT
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1.			CONTAINER	EV (125100, DCM, “Vascular Ultrasound Procedure Report”)	1	M		
2	>	HAS OBS CONTEXT	CODE	EV (R-40FB8, SRT, “Temporal periods Relating to Procedure”)	1	U		DCID (12102) Temporal Periods Relating To Procedure or Therapy
3	>	HAS CONCEPT MOD	INCL UDE	DTID (1204) Language of Content Item and Descendants	1	U		
4	>	HAS OBS CONTEXT	INCLUDE	DTID (1001) Observation Context	1	M		
5	>	CONTAINS	INCLUDE	DTID (5101) Vascular Patient Characteristics	1	U		
6	>	CONTAINS	CONTAINER	EV (111028, DCM, “Image Library”)	1	U		
7	>>	CONTAINS	IMAGE	No purpose of reference	1-n	M		
8	>	CONTAINS	INCLUDE	DTID (5102) Vascular Procedure Summary Section	1	U		
9	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12105) Intracranial Cerebral Vessels
10	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12105) Intracranial Cerebral Vessels
11	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”) $SectionLaterality = EV (G-A103, SRT, ”Unilateral”) $Anatomy = DCID (12106) Intracranial Cerebral Vessels (unilateral)
12	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-45005, SRT, ”Artery of neck”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12104) Extracranial Arteries $AnatomyRatio = DCID (12123) Carotid Ratios
13	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-45005, SRT, ”Artery of neck”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12104) Extracranial Arteries $AnatomyRatio = DCID (12123) Carotid Ratios
14	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-47040, SRT, ”Artery of Lower Extremity”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12109) Lower Extremity Arteries
15	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-47040, SRT, ”Artery of Lower Extremity”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12109) Lower Extremity Arteries
16	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-49403, SRT, ”Vein of Lower Extremity”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12110) Lower Extremity Veins
17	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-49403, SRT, ”Vein of Lower Extremity”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12110) Lower Extremity Veins
18	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-47020, SRT, ”Artery Of Upper Extremity”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12107) Upper Extremity Arteries
19	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-47020, SRT, ”Artery Of Upper Extremity”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12107) Upper Extremity Arteries
20	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-49103, SRT, ”Vein Of Upper Extremity”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12108) Upper Extremity Veins
21	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-49103, SRT, ”Vein Of Upper Extremity”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12108) Upper Extremity Veins
22	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-71019, SRT, ”Vascular Structure Of Kidney”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12115) Renal Vessels $AnatomyRatio = DCID (12124) Renal Ratios
23	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-71019, SRT, ”Vascular Structure Of Kidney”) $SectionLaterality = EV (G-A100, SRT, ”Right”) $Anatomy = DCID (12115) Renal Vessels $AnatomyRatio = DCID (12124) Renal Ratios
24	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-46002, SRT, ”Artery of Abdomen”) $SectionLaterality = EV (G-A101, SRT, ”Left”) $Anatomy = DCID (12111) Abdominal Arteries (lateral)
25	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-46002, SRT, ”Artery of Abdomen”)

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								$SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12111) Abdominal Arteries (lateral)
26	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-46002, SRT, "Artery of Abdomen") $SectionLaterality = EV (G-A103, SRT, "Unilateral") $Anatomy = DCID (12112) Abdominal Arteries (unilateral)
27	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-487A0, SRT, "Vein of Abdomen") $SectionLaterality = EV (G-A101, SRT, "Left") $Anatomy = DCID (12113) Abdominal Veins (lateral)
28	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-487A0, SRT, "Vein of Abdomen") $SectionLaterality = EV (G-A100, SRT, "Right") $Anatomy = DCID (12113) Abdominal Veins (lateral)
29	>	CONTAINS	INCLUDE	DTID (5103) Vascular Ultrasound Section	1	U		$SectionScope = DT (T-487A0, SRT, " Vein of Abdomen") $SectionLaterality = EV (G-A103, SRT, "Unilateral") $Anatomy = DCID (12114) Abdominal Veins (unilateral)
30	>	CONTAINS	INCLUDE	DTID (5105) Ultrasound Graft Section	1	U		

TID 5101 Vascular Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 "Subject Context, Patient". The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

TID 5101
Vascular Patient Characteristics
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	U		Units = DCID (7456) Units of Measure for Age
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	U		DCID (7455) Sex
4	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		
5	>	CONTAINS	NUM	EV (F-008EC, SRT, "Systolic Blood Pressure")	1	U		
6	>	CONTAINS	NUM	EV (F-008ED, SRT, "Diastolic Blood Pressure")	1	U		

TID 5102 Vascular Procedure Summary Section

Comments and observations of the procedure of immediate clinical interest.

TID 5102
VASCULAR PROCEDURE SUMMARY SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121111, DCM, "Summary")	1	M		
2	>		TEXT	DCID (12101) Vascular Summary	1-n	M		

TID 5103 Vascular Ultrasound Section

Sections of a vascular ultrasound report are section containers of an anatomic region consisting of measurement group containers that contain the measurements.

Parameter Name	Parameter Usage
$SectionScope	The concept name of the section heading modifier
$SectionLaterality	The laterality (if any) of the anatomy in this section heading
$Anatomy	The concept name of the vascular anatomy
$AnatomyRatio	The concept name of anatomy-coordinated ratio concepts

TID 5103
VASCULAR ULTRASOUND SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, "Finding Site")	1	M		$SectionScope
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, "Laterality")	1	M		$SectionLaterality
4	>	CONTAINS	INCLUDE	DTID (5104) Vascular Measurement Group	1-n	M		$AnatomyGroup = $Anatomy
5	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = $AnatomyRatio

TID 5104 Vascular Ultrasound Measurement Group

This template is an anatomy specific container of measurements.

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

TID 5104
VASCULAR ULTRASOUND MEASUREMENT GROUP
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-A1F8, SRT, “Topographical Modifier”)	1	U		DCID (12116) Vessel Segment Modifiers
3	>	HAS CONCEPT MOD	CODE	EV (125101, DCM, “Vessel Branch”)	1-n	U		DCID (12117) Vessel Branch Modifiers
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = DCID (12119) Vascular Ultrasound Property $Derivation = DCID (3627) Measurement Type
5	>>	HAS CONCEPT MOD	CODE	EV (R-4089A, SRT, “Cardiac Cycle Point”)	1	U		DCID (12233) Cardiac Phase
6	>>	HAS CONCEPT MOD	CODE	EV (R-41FFC, SRT, “Temporal period related to eating”)	1	U		DT (G-A491, SRT, "Post-prandial")

Content Item Descriptions

Row 1	Specifies the anatomic context of the observations in the group.
Row 2	Details the anatomical location, e.g. proximal, middle, or distal
Row 3	The particular vessel branch, such as the inferior, medial or lateral
Row 5	Cardiac phase (systolic, diastolic), especially for aorta measurements
Row 6	Eating phase, especially for mesenteric and celiac measurements

TID 5105 Ultrasound Graft Section

This template is a container of measurements on a vascular graft.

TID 5105
ULTRASOUND GRAFT SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, “Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-D000F, SRT, “Vascular Graft”)
3	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality”)	1	U		DCID (244) Laterality
4	>	HAS CONCEPT MOD	CODE	DT (G-D871, SRT, “Proximal anastomosis”)	1	M		BCID (12103) Vascular Ultrasound Anatomic Location
5	>	HAS CONCEPT MOD	CODE	DT (G-D872, SRT, “Distal Anastomosis”)	1	M		BCID (12103) Vascular Ultrasound Anatomic Location
6	>	HAS CONCEPT MOD	CODE	DT (125102, DCM, “Graft Type”)	1	U		*No BCID*
7	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		$Measurement = DCID (12119) Vascular Ultrasound Property

Content Item Descriptions

Proximal anastomosis	The proximal location of the graft
Distal anastomosis	The distal location of the graft
Graft type	The type of graft, e.g. “in situ”, “prosthetic”, “autogenous”

ECHOCARDIOGRAPHY PROCEDURE REPORT TEMPLATES

TID 5200 Echocardiography Procedure Report

This template forms the top of a content tree that allows an ultrasound device to describe the results of an adult echocardiography imaging procedure. It is instantiated at the root node. It can also be included in other templates that need to incorporate echocardiography findings into another report as quoted evidence.

TID 5200 – Echocardiography Procedure Report
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125200, DCM, “Adult Echocardiography Procedure Report”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID (1001) Observation Context	1	M		
4	>	CONTAINS	INCLUDE	DTID (5201) Echocardiography Patient Characteristics	1	U		
5	>	CONTAINS	CONTAINER	(111028, DCM, “Image Library”)	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	CONTAINS	IMAGE	No purpose of reference	1-n	M		
7	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-32600, SRT, “Left Ventricle”) $MeasType = DCID (12200) Echocardiography Left Ventricle
8	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-32500, SRT, “Right Ventricle”) $MeasType = DCID (12204) Echocardiography Right Ventricle
9	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-32300, SRT, “Left Atrium”) $MeasType = DCID (12205) Echocardiography Left Atrium
10	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-32200, SRT, “Right Atrium”) $MeasType = DCID (12206) Echocardiography Right Atrium
11	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-35400, SRT, “Aortic Valve”) $MeasType = DCID (12211) Echocardiography Aortic Valve
12	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-35300, SRT, “Mitral Valve”) $MeasType = DCID (12207) Echocardiography Mitral Valve
13	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-35200, SRT, “Pulmonic Valve”) $MeasType = DCID (12209) Echocardiography Pulmonic Valve
14	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-35100, SRT, “Tricuspid Valve”) $MeasType = DCID (12208) Echocardiography Tricuspid Valve
15	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-42000, SRT, “Aorta”) $MeasType= DCID (12212) Echocardiography Aorta
16	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-44000, SRT, “Pulmonary artery”) $MeasType DCID (12210) = Echocardiography Pulmonary Artery
17	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-48600, SRT, “Vena Cava” $MeasType = DCID (12215) Echocardiography Vena Cavae
18	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (T-48581, SRT, “Pulmonary Venous Structure” $MeasType = DCID (12214) Echocardiography Pulmonary Veins
19	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (P5-30031, SRT, “Cardiac Shunt Study”) $MeasType = DCID (12217) Echocardiography Cardiac Shunt
20	>	CONTAINS	INCLUDE	DTID (5202) Echo Section	1	U		$SectionSubject = EV (D4-30000, SRT, “Congenital Anomaly of Cardiovascular System”) $MeasType = DCID (12218) Echocardiography Congenital
21	>	CONTAINS	INCLUDE	DTID (5204) Wall Motion Analysis	1-n	U		$Procedure = DT (P5-B3121, SRT, "Echocardiography for Determining Ventricular Contraction")

Content Item Descriptions

Row 21 The wall motion findings of stress stage. There may be multiple Template instances to report wall motion findings of multiple stages.

instances to report wall motion findings of multiple stages.

TID 5201 Echocardiography Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

TID 5201
Echocardiography Patient Characteristics
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, “Patient Characteristics”)	1	M		
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age”)	1	U		Units = DCID (7456) Units of Measure for Age
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex”)	1	U		DCID (7455) Sex
4	>	CONTAINS	NUM	EV (8867-4, LN, “Heart Rate”)	1	U		
5	>	CONTAINS	NUM	EV (F-008EC, SRT, “Systolic Blood Pressure”)	1	U		
6	>	CONTAINS	NUM	EV (F-008ED, SRT, "Diastolic Blood Pressure")	1	U		
7	>	CONTAINS	NUM	EV (8277-6, LN, “Body Surface Area”)	1	M		
8	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID (3663) Body Surface Area Equations

TID 5202 Echo Section

This is a generic section heading Template for any of the anatomical headings. Measurements within a section heading appear as groups (by image mode, acquisition protocol, and/or protocol stage).

Parameter Name	Parameter Usage
$SectionSubject	The subject modifier of the section heading container
$MeasType	The concept name of the measurement

TID 5202
ECHO SECTION
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, ”Findings”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		$SectionSubject
3	>	CONTAINS	CONTAINER	DT (125007, DCM,	1-n	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				"Measurement Group")				
4	>>	HAS CONCEPT MOD	CODE	EV (G-0373, SRT,"Image Mode")	1	U		BCID (12224) Ultrasound Image Modes
5	>>	HAS CONCEPT MOD	CODE	DT (125203,DCM,"Acquisition Protocol")	1	U		
6	>>	HAS ACQ CONTEXT	CODE	EV (LN, 18139-6, "Stage")	1	U		BCID (12002) Ultrasound Protocol Stage Types
7	>>	CONTAINS	INCLUDE	DTID (5203) Echo Measurement	1-n	M		$Measurement = $MeasType $Method=CID (12227) Echocardiography Measurement Method

Echo Section Descriptions

Rows 4, 5	Type of measurement group. May be grouped by image mode, or acquisition protocol, or some other user or manufacturer designated classification
Row 6	For measurements acquired in a staged protocol, all measurements in a measurement group are acquired at the identified stage.

TID 5203 Echo Measurement

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Method	Value for Measurement Method

TID 5203
Echo Measurement
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID (300) Measurement	1	M		$Measurement = $Measurement $Method = $Method $TargetSite = BCID (12236) Echo Anatomic Sites $TargetSiteMod = BCID (12237) Echocardiography Anatomic Site Modifiers
2	>	HAS CONCEPT MOD	CODE	EV (G-C048, SRT, "Flow Direction")	1	U		BCID (12221) Flow Direction
3	>	HAS CONCEPT MOD	CODE	EV (R-40899, SRT, "Respiratory Cycle Point")	1	U		DCID (12234) Respiration State
4	>	HAS CONCEPT MOD	CODE	EV (R-4089A, SRT, "Cardiac Cycle Point")	1	U		DCID (12233) Cardiac Phase
5	>	HAS ACQ CONTEXT	CODE	EV (G-0373, SRT, "Image Mode")	1	U		DCID (12224) Ultrasound Image Modes

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, “Image View”)	1	U		BCID (12226) Echocardiography Image View
7	>	HAS ACQ CONTEXT	CODE	EV (LN, 18139-6, "Stage")	1	U		BCID (12002) Ultrasound Protocol Stage Types

Echo Measurement Descriptions

Row 1	TID 300 specifies an “Equivalent Meaning of Concept Name” that allows the creating application to specify the preferred composed concept name representing the measurement and the associated post-coordination Concept Modifiers (e.g., the ASE terminology described in PS3.17 Annex on Echocardiography Procedure Reports).

TID 5204 Wall Motion Analysis

The Wall Motion Analysis Template is used to document wall motion scoring for any imaging modality.

Parameter Name	Parameter Usage
$Procedure	The imaging procedure used for wall motion analysis.

TID 5204
Wall Motion Analysis
Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")		M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		$Procedure
3	>	HAS ACQ CONTEXT	CODE	EV (LN, 18139-6, "Stage")	1	U		BCID (3207) Stress Test Procedure Phases
4	>	CONTAINS	IMAGE	EV (125201, DCM, "Illustration of Finding")	1	U		
5	>	CONTAINS	TEXT	EV (LN, 18118-0, “LV Wall Motion Segmental Findings”)	1	U		
6	>	CONTAINS	NUM	DT (125202, DCM, “LV Wall Motion Score Index”)	1	U		
7	>>	HAS CONCEPT MOD	CODE	EV (G-E048, SRT, “Assessment Scale”)	1	M		BCID (12238) Wall Motion Scoring Scheme
8	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
10	>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, “Finding Site”)	1	M		DT (T-D0772, SRT, ”Myocardial Wall”)
11	>>	CONTAINS	CODE	EV (LN, 18179-2, "Wall Segment”)	1-n	M		BCID (3717) Myocardial Wall Segments
12	>>>	HAS PROPERTIES	CODE	EV (F-32050, SRT, ”Cardiac Wall Motion”)	1	MC	IF row 13 is absent	DCID (3703) Wall Motion
13	>>>	HAS PROPERTIES	CODE	EV (G-C504, SRT, "Associated Morphology")	1	MC	IF row 12 is absent	DCID (3704) Myocardium Wall Morphology Findings
14	>>>	HAS PROPERTIES	NUM	DT (G-C1E3, SRT, “Score”)	1	U		
15	>>>	HAS PROPERTIES	NUM	EV(122624, DCM, "Wall Thickness Ratio end-systolic to end-diastolic")	1	U		UNITS = DT(%, UCUM, “%")

Wall Motion Analysis Item Descriptions

Row 3 The stage of the protocol at which these findings were scored. This row may be absent if this is a generic, non-staged scoring.

Row 4 Image that graphically depicts the segments and their scores.

Row 5 Text narration accompanying this stage.

Row 6 The composite score computed from the average of the scored segments

Row 7 The type of scoring scheme used to score this exam.

Row 8 A container of all of the individual segment findings for this stage. The container shall be present if the observer makes an assessment, including the

	assessment of Not Visualized. It shall not be present if no evaluation was made.
Rows 12, 13	Scar/thinning (in Row 13) may accompany akinesis and dyskinesis (in Row 12).
Row 14	A numeric designation for the score. Score ranges vary, typically 0-4 or 0-5. Numeric scores may depend on wall motion findings as well as morphology findings. See the table below for conventional numeric assignment schemes. The UCUM annotation code enables specifying the numeric range, ("{L:N}", UCUM, "scale L:N"), where L and N are the lower and upper ends of the range.

Table 5204-1 Numeric Score Assignment for Segmental Findings

A description of the scoring schemes described in the table below is available in *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

Conventional Numeric Assignment	Wall Motion Finding or Morphology Finding		
	4 Point	5 Point	5 Point with Graded Hypokinesis
-1	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D SRT, “Hyperkinesis”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”)
0	(F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”)
1	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)	(F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)
1.5			(F-32050, SRT, “Cardiac Wall Motion”) = (R-00327, SRT, “Mild Hypokinesis”)
2	(F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B, SRT, “Hypokinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B, SRT, “Hypokinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-0032F, SRT, “Moderate Hypokinesis”)
2.5			(F-32050, SRT, “Cardiac Wall Motion”) = (R-00370, SRT, “Severe Hypokinesis”)
3	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)
4	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)
5		(G-C504, SRT, "Associated Morphology") = (D3-10510,	(G-C504, SRT, "Associated Morphology") = (D3-10510,

		SRT, “Ventricular Aneurysm”)	SRT, “Ventricular Aneurysm”)

RELEVANT PATIENT INFORMATION TEMPLATES

TID 9000 Relevant Patient Information For Breast Imaging

This template collects a patient’s relevant information as it relates to breast imaging. This template, together with its subordinate templates, describes the history of a patient’s reproductive system, hormone medications, past procedures, risk factors, and indicated problems as they relate to breast health.

TID 9000

RELEVANT PATIENT INFORMATION FOR BREAST IMAGING

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111511, DCM, ”Relevant Patient Information for Breast Imaging”)	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	INCLUDE	DTID (3114) Patient Assessment	1	U		
4	>	CONTAINS	INCLUDE	DTID (9001) Gynecological History	1	U		
5	>	CONTAINS	INCLUDE	DTID (9002) Medication, Substance, Environmental Exposure	1	U		$ContainerConcept= EV (10160-2, LN, “History Of Medication Use”) $CodeConcept= EV (111516, DCM, ”Medication Type”) $CodeValue = DCID (6080) Gynecological Hormones
6	>	CONTAINS	INCLUDE	DTID (9003) Previous Procedure	1	U		$ProcedureList = DCID (6083) Procedures for Breast, DCID (6082) Gynecological Procedures $ProcedureModifier = DCID (6058) Procedure Modifiers for Breast $NumConceptName= DCID (6095) Numeric Properties of Procedures $LateralityValue = DCID (6022) Side $ProcedureResult =

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
								DCID (6063) Interventional Procedure Results $ComplicationValue= DCID (6062) Interventional Procedure Complications
7	>	CONTAINS	INCLUDE	DTID (9004) Indicated Problem	1	U		$ProblemList = DCID (6055) Breast Clinical Finding or Indicated Problem $LateralityValue = DCID (6022) Side $LocationValue = DCID (6018) Clockface Location or Region , DCID (6020) Quadrant Location
8	>	CONTAINS	INCLUDE	DTID (9005) Risk Factor	1	U		$RiskList = DCID (6081) Breast Cancer Risk Factors $FamilyList = DCID (7451) Family Member

TID 9001 Gynecological History

This general template collects the details of a patient's reproductive system history, such as number of births, and gynecological surgery history.

TID 9001

GYNECOLOGICAL HISTORY

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (R-20767, SRT, "Gynecological History")	1	M		
2	>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID (7450) Person Roles
3	>	CONTAINS	DATE	EV (11955-2, LN, "Date of last menstrual period")	1	U		
4	>	CONTAINS	NUM	EV (111518, DCM, "Age when first menstrual period occurred")	1	U		UNITS = EV (a,UCUM,"Year")
5	>	CONTAINS	NUM	EV (111519, DCM, "Age at First Full Term Pregnancy")	1	U		UNITS = EV (a,UCUM,"Year")
6	>	CONTAINS	NUM	EV (11977-6,	1	U		UNITS = EV

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				LN, ”Para”)				(1,UCUM,”no units”)
7	>	CONTAINS	NUM	EV (11639-2, LN, ”Term”)	1	U		UNITS = EV (1,UCUM,”no units”)
8	>	CONTAINS	NUM	EV (11637-6, LN, ”Preterm”)	1	U		UNITS = EV (1,UCUM,”no units”)
9	>	CONTAINS	NUM	EV (11636-8, LN, ”Living”)	1	U		UNITS = EV (1,UCUM,”no units”)
10	>	CONTAINS	NUM	EV (11636-8, LN, ”LBW or IUGR”)	1	U		UNITS = EV (1,UCUM,”no units”)
11	>	CONTAINS	NUM	EV (11996-6, LN, ”Gravida”)	1	U		UNITS = EV (1,UCUM,”no units”)
12	>	CONTAINS	NUM	EV (11612-9, LN, “Aborta”)	1	U		UNITS = EV (1,UCUM,”no units”)
13	>	CONTAINS	NUM	EV (33065-4, LN, “Ectopic Pregnancies”)	1	U		UNITS = EV (1,UCUM,”no units”)
14	>	CONTAINS	NUM	EV (111520, DCM, ”Age at Menopause”)	1	U		UNITS = EV (a,UCUM,”Year”)
15	>	CONTAINS	NUM	EV (111521, DCM, ”Age when hysterectomy performed”)	1	U		UNITS = EV (a,UCUM,”Year”)
16	>>	HAS CONCEPT MOD	CODE	EV (R-404ED, SRT, “Extent”)	1	U		EV (R-404F1, SRT, “Complete”) or EV (R-404FE, SRT, “Partial”)
17	>	CONTAINS	NUM	EV (111522, DCM, ”Age when left ovary removed”)	1	U		UNITS = EV (a,UCUM,”Year”)
18	>	CONTAINS	NUM	EV (111523, DCM, ”Age when right ovary removed”)	1	U		UNITS = EV (a,UCUM,”Year”)
19	>	CONTAINS	CODE	EV (111543, DCM, ”Breast feeding history”)	1	U		DCID (230) Yes-No
20	>>	HAS PROPERTIES	NUM	EV (111544, DCM, “Average breast feeding period”)	1	U		UNITS = EV (wk,UCUM,”Week”)
21	>	CONTAINS	CODE	EV (111532, DCM, ”Pregnancy Status”)	1	U		DCID (6096) Pregnancy Status
22	>	CONTAINS	CODE	EV (111391, DCM, ”Menstrual Cycle Phase”)	1	U		DCID (6163) Menstrual Cycle Phase

TID 9002 Medication, Substance, Environmental Exposure

This general template provides detailed information on a patient’s medication or substance use, or exposure to environmental factors, including type and duration of use or exposure.

Parameter Name	Parameter Usage

$ContainerConcept	Coded term for the concept name of the CONTAINER, identifying it as medication, substance, or environmental exposure history.
$CodeConcept	Coded term for the concept name of the CODE, identifying it as medication, substance, or environmental exposure.
$CodeValue	Coded term or Context Group for value of the medication, substance, or environmental exposure.

TID 9002

MEDICATION, SUBSTANCE, ENVIRONMENTAL EXPOSURE

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$ContainerConcept	1	M		
2	>	CONTAINS	CODE	$CodeConcept	1-n	M		$CodeValue
3	>>	HAS CONCEPT MOD	CODE	EV (G-C032, SRT, ”Classification”)	1	U		
4	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, ”Role of person reporting”)	1	U		DCID (7450) Person Roles
5	>>	HAS PROPERTIES	NUM	EV (111524, DCM, ”Age Started”)	1	U		UNITS = EV (a,UCUM,”Year”)
6	>>	HAS PROPERTIES	NUM	EV (111525, DCM, ”Age Ended”)	1	U		UNITS = EV (a,UCUM,”Year”)
7	>>	HAS PROPERTIES	DATETIME	EV (111526, DCM, ”DateTime Started”)	1	U		
8	>>	HAS PROPERTIES	DATETIME	EV (111527, DCM, ”DateTime Ended”)	1	U		
9	>>	HAS PROPERTIES	NUM	EV (G-7290, SRT, ”Duration”)	1	U		UNITS = DCID (6046) Units of Follow-up Interval
10	>>	HAS PROPERTIES	CODE	EV (111528, DCM, ”Ongoing”)	1	U		DCID (230) Yes-No
11	>>	HAS PROPERTIES	TEXT	EV (111529, DCM, ”Brand Name”)	1	U		
12	>>	HAS PROPERTIES	NUM	DCID (6092) Quantitative Concepts for Usage, Exposure	1	U		The unit of measure shall be quantity per unit of time
13	>>	HAS PROPERTIES	CODE	DCID (6093) Qualitative Concepts for Usage, Exposure Amount	1	U		DCID (6090) Relative Usage, Exposure Amount

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>>	HAS PROPERTIES	CODE	DCID (6094) Qualitative Concepts for Usage, Exposure Frequency	1	U		DCID (6091) Relative Frequency of Event Values

Content Item Descriptions

Row 3 “Classification”	No context group is provided for the value set, but it is recommended that values from a standard external coding scheme, such as SRT or NDC, be used.
Rows 13 & 14	If both of these content items are instantiated, the concept names selected for each should match. For example, use “Relative dose amount” as the concept name for row 13 with “Relative dose frequency” as the concept name for row 14.

TID 9003 Previous Procedure

This general template provides detailed information on a patient’s previous procedure, surgery, or treatment.

Parameter Name	Parameter Usage
$ProcedureList	Coded term or Context Group for value of Previous Procedure
$ProcedureModifier	Coded term or Context Group for value of Previous Procedure Modifier
$NumConceptName	Coded term or Context Group for the concept name of a numeric property of the Previous Procedure
$LateralityValue	Coded term or Context Group for value of Laterality
$ProcedureResult	Coded term or Context Group for value of Result of Procedure
$ComplicationValue	Coded term or Context Group for value of Complication

TID 9003

PREVIOUS PROCEDURE

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111513, DCM, ”Relevant Previous Procedures”)	1	M		
2	>	CONTAINS	CODE	EV (111531, DCM, ”Previous Procedure”)	1-n	M		$ProcedureList
3	>>	HAS	CODE	EV (111464,	1-n	U		$ProcedureModifier

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		CONCEPT MOD		DCM, “Procedure Modifier”)				
4	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, ”Role of person reporting”)	1	U		DCID (7450) Person Roles
5	>>	HAS PROPERTIES	NUM	$NumConceptName	1-n	U		
6	>>	HAS PROPERTIES	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		$LateralityValue
7	>>	HAS PROPERTIES	DATETIME	EV (122146, DCM, ”Procedure DateTime”)	1	UC	XOR row 8	
8	>>	HAS PROPERTIES	CODE	EV (111395, DCM, ”Estimated Timeframe”)	1	UC	XOR row 7	BCID (6164) Time Intervals
9	>>	HAS PROPERTIES	NUM	EV (R-42009, SRT, ”Number of occurrences”)	1	U		UNITS = EV (1,UCUM,”no units”)
10	>>	HAS PROPERTIES	CODE	EV (DD-60002, SRT, ”Complication of procedure”)	1-n	U		$ComplicationValue
11	>>>	HAS PROPERTIES	CODE	EV (111466, DCM, ”Severity of Complication”)	1	U		DCID (251) Severity of Complication
12	>>	HAS PROPERTIES	CODE	EV (122177, DCM, ”Procedure Result”)	1	U		$ProcedureResult
13	>>	HAS PROPERTIES	INCLUDE	TID (4207) Pathology Results	1-n	U		

TID 9004 Indicated Problem

This general template provides information about indicated problems presented by a patient. For example, indicated breast problems relating to the purpose for a mammographic examination.

Parameter Name	Parameter Usage
$ProblemList	Coded term or Context Group for value of Indicated Problem
$LateralityValue	Coded term or Context Group for value of Laterality
$LocationValue	Coded term or Context Group for value of Location

TID 9004

INDICATED PROBLEM

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (11450-4, LN, “Problem List”)	1	M		
2	>	CONTAINS	CODE	EV (111533, DCM, ”Indicated Problem”)	1-n	M		$ProblemList
3	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, ”Role of person reporting”)	1	U		DCID (7450) Person Roles
4	>>	HAS OBS CONTEXT	DATETIME	EV (111535, DCM, ”DateTime problem observed”)	1	U		
5	>>	HAS PROPERTIES	CODE	EV (G-C171, SRT, ”Laterality”)	1	U		$LateralityValue
6	>>	HAS PROPERTIES	CODE	EV (G-C0E3, SRT, ”Finding site”)	1	U		$LocationValue
7	>>	HAS PROPERTIES	NUM	EV (G-7290, SRT, “Duration”)	1	U		
8	>>	HAS PROPERTIES	CODE	EV (R-407E7, SRT, “Frequency”)	1	U		DCID (6091) Relative Frequency of Event Values
9	>>	HAS PROPERTIES	DATETIME	EV (111536, DCM, “DateTime of last evaluation”)	1	U		
10	>>	HAS PROPERTIES	TEXT	EV (122106, DCM, “Comment”)	1	U		

TID 9005 Risk Factor

This general template provides detailed information on the risk factors for a patient, related to medical history for themselves and family members.

Parameter Name	Parameter Usage
$RiskList	Coded term or Context Group for value of Risk Factor
$FamilyList	Coded term or Context Group for value of Family Member with Risk Factor

TID 9005

RISK FACTOR

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111515, DCM, ”Relevant Risk Factors”)	1	M		
2	>	CONTAINS	CODE	EV (F-01500, SRT, ”Risk factor”)	1-n	M		$RiskList
3	>>	HAS CONCEPT MOD	CODE	EV (111530, DCM, “Risk Factor modifier”)	1	U		EV (G-0002, SRT, “Family history of”)
4	>>	HAS CONCEPT MOD	NUM	EV(18185-9, LN, ”Gestational Age”)	1	UC	IFF value of row 2 is (G-0305, SRT, “History of – premature delivery”)	
5	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, ”Role of person reporting”)	1	U		DCID (7450) Person Roles
6	>>	HAS PROPERTIES	NUM	EV (111538, DCM, ”Age at Occurrence”)	1	U		UNITS = EV (a,UCUM,”Year”)
7	>>	HAS PROPERTIES	NUM	EV (G-7290, SRT, “Duration”)	1	U		UNITS = DCID (6046) Units of Follow-up Interval
8	>>	HAS PROPERTIES	TEXT	EV (121106, DCM, “Comment”)	1	U		
9	>>	INFERRED FROM	CODE	EV (111537, DCM, ”Family Member with Risk Factor”)	1-n	U		$FamilyList
10	>>>	HAS CONCEPT MOD	NUM	EV (111538, DCM, ”Age at Occurrence”)	1	U		UNITS = EV (a,UCUM,”Year”)
11	>>>	HAS CONCEPT MOD	CODE	EV (111539, DCM, ”Menopausal phase”)	1	U		DCID (6086) Menopausal Phase

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
12	>>>	HAS CONCEPT MOD	CODE	EV (111540, DCM, "Side of Family")	1	U		DCID (6097) Side of Family

TID 9006 Obstetric History

This general template collects the details of a patient's obstetric history for a current pregnancy. Information regarding previous pregnancies is conveyed using the Gynecological History Template.

TID 9006

OBSTETRIC HISTORY

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (R-20658, SRT, "Obstetric History")	1	M		
2	>	CONTAINS	DATE	DCID (12003) OB-GYN Dates	1-n	U		
3	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	U		UNITS= EV (d,UCUM, "Day")
4	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1-n	U		

Content Item Descriptions

Row 3 "Gestational Age"	Observation DateTime (0040,A032) for Content Item shall be present, in order to convey the date and time at which this Gestational Age was established.

TID 9007 General Relevant Patient Information

This template collects a patient's relevant information for general purpose use. This template, together with its subordinate templates, describes the history of a patient's reproductive system, medications, substance use, environmental exposure, past procedures, risk factors, and indicated problems.

TID 9007

GENERAL RELEVANT PATIENT INFORMATION

Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111517, DCM, "Relevant Patient Information")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID (3114) Patient Assessment	1	U		
4	>	CONTAINS	INCLUDE	DTID (9002) Medication, Substance, Environmental Exposure	1	U		$ContainerConcept= EV (10160-2, LN, “History Of Medication Use”) $CodeConcept= EV (111516, DCM, ”Medication Type”)
5	>	CONTAINS	INCLUDE	DTID (9002) Medication, Substance, Environmental Exposure	1	U		$ContainerConcept= EV (111545, DCM, ”Substance Use History”) $CodeConcept= EV (111546, DCM, ”Used Substance Type”) $CodeValue= BCID (6089) Substances
6	>	CONTAINS	INCLUDE	DTID (9002) Medication, Substance, Environmental Exposure	1	U		$ContainerConcept= EV (111547, DCM, ”Environmental Exposure History”) $CodeConcept= EV (111548, DCM, ”Environmental Factor”)
7	>	CONTAINS	INCLUDE	DTID (9003) Previous Procedure	1	U		$LateralityValue= BCID (244) Laterality
8	>	CONTAINS	INCLUDE	DTID (9004) Indicated Problem	1	U		$LateralityValue= BCID (244) Laterality
9	>	CONTAINS	INCLUDE	DTID (9005) Risk Factor	1	U		$RiskList= BCID (6087) General Risk Factors $FamilyList= DCID (7451) Family Member
10	>	CONTAINS	INCLUDE	DTID (9001) Gynecological History	1	U		
11	>	CONTAINS	INCLUDE	DTID (9006) Obstetric History	1	U		
12	>	CONTAINS	INCLUDE	DTID (3802) Cardiovascular Patient History	1	U		
13	>	CONTAINS	INCLUDE	DTID (351) Previous Reports	1	U		

X-RAY RADIATION DOSE SR IOD TEMPLATES

The templates that comprise the X-Ray Radiation Dose SR are interconnected as in Figure A-11.

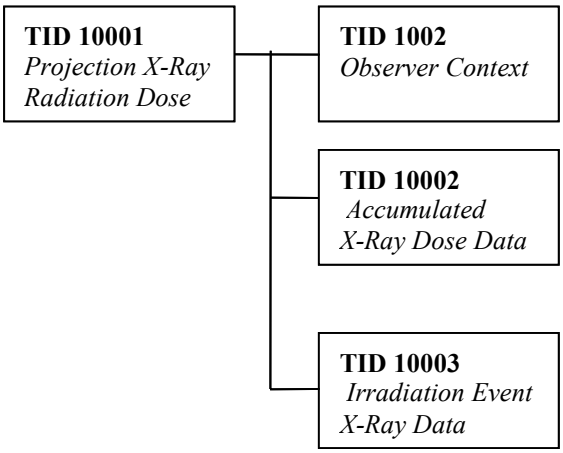


Figure A-11: X-Ray Radiation Dose SR IOD Template Structure

TID 10001 Projection X-Ray Radiation Dose

This template defines a container (the root) with subsidiary content items, each of which represents a single projection X-Ray irradiation event entry or plane-specific dose accumulations. There is a defined recording observer (the system or person responsible for recording the log, generally the system). A Biplane irradiation event will be recorded as two individual events, one for each plane. Accumulated values will be kept separate for each plane.

TID 10001
PROJECTION X-RAY RADIATION DOSE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113701, DCM, “X-Ray Radiation Dose Report”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, ”Procedure reported”)	1	M		DT (113704, DCM, “Projection X-Ray”) DT (P5-40010, SRT, “Mammography”)
3	>>	HAS CONCEPT MOD	CODE	EV (G-C0E8, SRT, “Has Intent”)	1	M		DCID (3629) Procedure Intent
4	>		INCLUDE	DTID (1002) Observer Context	1-n	M		
5	>	HAS OBS CONTEXT	CODE	EV (113705, DCM, “Scope of Accumulation”)	1	M		DCID (10000) Scope of Accumulation
6	>>	HAS PROPERTIES	UIDREF	DCID (10001) UID Types	1	M		
7	>	CONTAINS	INCLUDE	DTID (10002) Accumulated X-Ray	1	MC	IFF Single Plane system	$Plane = EV (113622, DCM, ”Single Plane”

				Dose				
8	>	CONTAINS	INCLUDE	DTID (10002) Accumulated X-Ray Dose	1	MC	IFF Biplane system	$Plane = EV (113620, DCM, ”Plane A”)
9	>	CONTAINS	INCLUDE	DTID (10002) Accumulated X-Ray Dose	1	MC	IFF Biplane system	$Plane = EV (113621, DCM, ”Plane B”)
10	>	CONTAINS	INCLUDE	DTID (10003) Irradiation Event X-Ray Data	1-n	M		
11	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		
12	>	CONTAINS	IMAGE	EV (121342, DCM, “Dose Image”)	1-n	U		
13	>	CONTAINS	INCLUDE	DTID (1020) Person Participant	1	U		$PersonProcedureRole= EV (113850, DCM, “Irradiation Authorizing”)
14	>	CONTAINS	CODE	EV (113854, DCM, “Source of Dose Information”)	1-n	M		DCID (10020) Source of Projection X-Ray Dose Information

Content Item Descriptions

Row 4	The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited.
Row 10	Details of the underlying irradiation events. If Row 6 has a value of “MPPS Content” then a TID 10003 item will be generated for each item in the MPPS Exposure Dose Sequence (0040,030E).
Row 12	The Dose Image references a graphic representation of the radiation dose distribution. This may be a Secondary Capture scan of a dosimetry film.
Row 13	The physician responsible for determining that the irradiating procedure was appropriate for the indications. The value may come from Requesting Physician (0032,1032), Requesting Physician Identification Sequence (0032,1031) or somewhere else based on hospital policies.
Row 14	The primary source of information from which this dose object was constructed.

TID 10002 Accumulated X-Ray Dose

This general template provides detailed information on projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

Parameter Name	Parameter Usage
$Plane	Coded term identifying to which acquisition plane the encoded information belongs.

TID 10002
ACCUMULATED X-RAY DOSE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113702, DCM, ”Accumulated X-Ray Dose Data”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (113764, DCM, “Acquisition Plane”	1	M		$Plane

3	>	CONTAINS	CONTAINER	EV (122505, DCM, “Calibration”)	1-n	MC	IFF Calibration Data is available	
4	>>	HAS CONCEPT MOD	CODE	EV (113794, DCM, “Dose Measurement Device”)	1	M		DCID (10010) Dose Measurement Devices
5	>>	CONTAINS	DATETIME	EV (113723, DCM, “Calibration Date”)	1	M		
6	>>	CONTAINS	NUM	EV (122322, DCM, “Calibration Factor”)	1	M		Units = EV (1, UCUM, “no units”)
7	>>	CONTAINS	NUM	EV (113763, DCM, “Calibration Uncertainty”)	1	M		Units = EV (%, UCUM, “Percent”)
8	>>	CONTAINS	TEXT	EV (113724, DCM, “Calibration Responsible Party”)	1	M		
9	>	CONTAINS	INCLUDE	DTID (10004) Accumulated Projection X-Ray Dose	1	MC	XOR row 11, IFF TID (10001) Row 2 = (113704, DCM, “Projection X-Ray”)	
10	>	CONTAINS	INCLUDE	DTID (10005) Accumulated Mammography X-Ray Dose	1	MC	XOR row 10, IFF TID (10001) Row 2 = (P5-40010, SRT, “Mammography”)	

Content Item Descriptions

Row 5	Date that the calibration of the equipment’s dose indicators was performed
Row 6	Factor by which the measured dose area product total was multiplied to obtain the Dose Area Product Total (Row 10).
Row 7	Value range from 0 to 100 percent. Uncertainty of the ‘actual’ value expressed as +/- of the mean.
Row 8	Identifies Individual or organization responsible for calibration

TID 10003 Irradiation Event X-Ray Data

This template conveys the dose and equipment parameters of a single irradiation event.

An irradiation event is the occurrence of radiation being applied to a patient in single continuous time-frame between the start (release) and the stop (cease) of the irradiation. The irradiation event is the “smallest” information entity to be recorded in the realm of Radiation Dose reporting. Individual Irradiation Events are described by a set of accompanying physical parameters that are sufficient to understand the “quality” of irradiation that is being applied. This set of parameters may be different for the various types of equipment that are able to create irradiation events. Any automatic on-off switching of the irradiation source during the event shall not be treated as separate events, rather the event includes the time between start and stop of irradiation as triggered by the user. E.g., a pulsed fluoro X-Ray acquisition shall be treated as a single irradiation event.

As described in Section 6.2.4, measurement concepts may be post-coordinated, even though not explicitly specified in the Template. In particular, post-coordination using modifier concept (121401, DCM, “Derivation”), with modifier values drawn from CID 10009 Measured/Calculated would be appropriate to encode indications of measured or of calculated values.

TID 10003
IRRADIATION EVENT X-RAY DATA
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113706, DCM, ”Irradiation Event X-Ray Data”)	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (113764, DCM, “Acquisition Plane”	1	M		DCID (10003) Equipment Plane Identification
3	>	CONTAINS	DATETIME	DT (111526, DCM, “DateTime Started”)	1	M		
4	>	CONTAINS	CODE	EV (113721, DCM, “Irradiation Event Type”)	1	M		DCID (10002) Irradiation Event Types
5	>	CONTAINS	TEXT	EV (125203, DCM, “Acquisition Protocol”)	1	U		
6	>	CONTAINS	CODE	EV (T-D0005, SRT, “Anatomical structure”)	1	U		
7	>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality")	1	UC	If anatomy is bi-lateral	DCID (244) Laterality
8	>	CONTAINS	TEXT	EV (113780, DCM, “Reference Point Definition”)	1	MC	IF Row 13 or Row 14 is present and Row 9 is not present	
9	>	CONTAINS	CODE	EV (113780, DCM, “Reference Point Definition”)	1	~~U~~ MC	IF Row 13 or Row 14 is present and Row 8 is not present	DCID (10025) Radiation Dose Reference Points
10	>	CONTAINS	UIDREF	EV (113769, DCM, “Irradiation Event UID”)	1	M		
11	>	CONTAINS	NUM	EV (122130, DCM, “Dose Area Product”	1	MC	IFF TID (10001) Row 2 = (113704, DCM, “Projection X-Ray”)	Units = EV (Gym2, UCUM, "Gym2")
12	>	CONTAINS	NUM	EV (111631, DCM, “Average Glandular Dose”)	1	MC	IFF TID (10001) Row 2 = (P5-40010, SRT, “Mammography”)	Units = EV (dGy, UCUM, “dGy”
13	>	CONTAINS	NUM	EV (113738, DCM, “Dose (RP)”)	1	MC	IFF TID (10001) Row 2 = (113704, DCM, “Projection X-Ray”) AND any of the values of TID (10001) Row 14 are not (113858, DCM, “MPPS Content”)	Units = EV (Gy, UCUM, “Gy”)
14	>	CONTAINS	NUM	EV (111636, DCM, “Entrance Exposure at RP”)	1	MC	IFF TID (10001) Row 2 = (P5-40010, SRT, “Mammography”)	Units = EV (mGy, UCUM, “mGy”)
15	>	CONTAINS	NUM	EV (112011, DCM, “Positioner Primary Angle”)	1	UC	XOR Row 19	Units = EV (deg, UCUM, “°”)
16	>	CONTAINS	NUM	EV (112012, DCM, “Positioner Secondary Angle”)	1	UC	XOR Row 19	Units = EV (deg, UCUM, “°”)
17	>	CONTAINS	NUM	EV (113739, DCM, “Positioner Primary	1	UC	IFF Row 4 value = (113613, DCM,	Units = EV (deg, UCUM, “°”)

				End Angle”			“Rotational Acquisition”)	
18	>	CONTAINS	NUM	EV (113740, DCM, “Positioner Secondary End Angle”	1	UC	IFF Row 4 value = (113613, DCM, “Rotational Acquisition”)	Units = EV (deg, UCUM, “º”)
19	>	CONTAINS	NUM	EV (113770, DCM, “Column Angulation”)	1	UC	XOR Rows 15,16	Units = EV (deg, UCUM, “º”)
20	>	CONTAINS	NUM	EV (113790, DCM, “Collimated Field Area”	1	U		Units = EV (m2, UCUM, “m^2”)
21	>	CONTAINS	CONTAINER	EV (113771, DCM, “X-Ray Filters”)	1-n	U		
22	>>	CONTAINS	CODE	EV (113772, DCM, “X-Ray Filter Type”)	1	U		DCID (10007) X-Ray Filter Types
23	>>	CONTAINS	CODE	EV (113757, DCM, “X-Ray Filter Material”)	1	U		DCID (10006) X-Ray Filter Materials
24	>>	CONTAINS	NUM	EV (113758, DCM, “X-Ray Filter Thickness Minimum”)	1	U		Units = EV (mm, UCUM, “mm”)
25	>>	CONTAINS	NUM	EV (113773, DCM, “X-Ray Filter Thickness Maximum”)	1	U		Units = EV (mm, UCUM, “mm”)
26	>	CONTAINS	CODE	EV (113732, DCM, “Fluoro Mode”)	1	UC	IFF Row 3 value = (P5-06000, SRT, “Fluoroscopy”)	DCID (10004) Fluoro Modes
27	>	CONTAINS	NUM	EV (113791, DCM, “Pulse Rate”)	1	MC	IFF Row 26 value = (113631, DCM, “Pulsed”)	Units = EV ({pulse}/s, UCUM, “pulse/s”)
28	>	CONTAINS	NUM	EV (113768, DCM, “Number of Pulses”)	1	MC	IFF Row 26 value = (113631, DCM, “Pulsed”)	Units = EV (1, UCUM, “no units”)
29	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, “Derivation”)	1	MC	IFF count of pulses in Row 28 is estimated	EV (R-10260, SRT, “Estimated”)
30	>	CONTAINS	NUM	EV (113733, DCM, “KVP”)	1-n	U		Units = EV (kV, UCUM, “kV”)
31	>	CONTAINS	NUM	EV (113734, DCM, “X-Ray Tube Current”)	1-n	U		Units = EV (mA, UCUM, “mA”)
32	>	CONTAINS	NUM	EV (113735, DCM, “Exposure Time”)	1	U		Units = EV (ms, UCUM, “ms”)
33	>	CONTAINS	NUM	EV (113793, DCM, “Pulse Width”)	1-n	U		Units = EV (ms, UCUM, “ms”)
34	>	CONTAINS	NUM	EV (113736, DCM, “Exposure”)	1-n	U		Units = EV (uAs, UCUM, “uAs”)
35	>	CONTAINS	NUM	EV (113766, DCM, “Focal Spot Size”)	1	U		Units = EV (mm, UCUM, “mm”)
36	>	CONTAINS	NUM	EV (113742, DCM, “Irradiation Duration”)	1	U		Units = EV (s, UCUM, “s”)
37	>	CONTAINS	NUM	EV (113767, DCM, “Average X-Ray Tube Current”)	1	U		Units = EV (mA, UCUM, “mA”)
38	>	CONTAINS	CODE	EV (113745, DCM, “Patient Table Relationship”)	1	U		DCID (21) Patient Gantry Relationship
39	>	CONTAINS	CODE	EV (113743, DCM, “Patient Orientation”)	1	U		DCID (19) Patient Orientation
40	>>	HAS CONCEPT	CODE	EV (113744, DCM, “Patient Orientation	1	M		DCID (20) Patient Orientation Modifier

		MOD		Modifier")				
41	>	CONTAINS	NUM	DCID (10008) Dose Related Distance Measurements	1-n	U		Units = EV (mm, UCUM, "mm")
42	>	CONTAINS	NUM	EV (113754, DCM, "Table Head Tilt Angle")	1	U		Units = EV (deg, UCUM, "º")
43	>	CONTAINS	NUM	EV (113755, DCM, "Table Horizontal Rotation Angle")	1	U		Units = EV (deg, UCUM, "º")
44	>	CONTAINS	NUM	EV (113756, DCM, "Table Cradle Tilt Angle")	1	U		Units = EV (deg, UCUM, "º")
45	>	CONTAINS	CODE	EV (123014 , DCM, ("Target Region")	1	M		DCID (4031) Common Anatomic Regions
46	>	CONTAINS	CODE	EV (111632, DCM, "Anode Target Material"	1	U		DCID (10016) Anode Target Material
47	>	CONTAINS	NUM	EV (111633, DCM, "Compression Thickness")	1	U		Units = (mm, UCUM, "millimeter")
48	>	CONTAINS	NUM	EV (111634, DCM, "Half Value Layer")	1	U		Units = (mm, UCUM, "millimeter")
49	>	CONTAINS	CODE	EV (111635,DCM, "X-Ray Grid")	1-n	U		DCID (10017) X-Ray Grid
50	>	CONTAINS	INCLUDE	DTID (4007) Mammography CAD Breast Composition	1	U		
51	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
52	>	CONTAINS	INCLUDE	DTID (1020) Person Participant	1-n	U		$PersonProcedureRole = EV (113851, DCM, "Irradiation Administering")
53	>	CONTAINS	INCLUDE	DTID (1021) Device Participant	1	M		$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")
54	>	CONTAINS	IMAGE	EV (113795, DCM, "Acquired Image")	1-n	MC	IFF Image Object is created for this irradiation event	

Content Item Descriptions

Row 3	Provide DateTime the application of X-Ray started. This shall correspond to the start of the first irradiation in the Irradiation Event, which defines the starting point for the calculation of Row 36 "Irradiation Duration".
Row 8	A text definition of the Reference Point (RP) used for RP-related dose values.
Row 9	A coded definition of the Reference Point (RP) used for RP-related dose values
Row 10	If the image generating entity does not assign a DICOM UID to the irradiation event (e.g., for non-digital imaging equipment), the application generating this report shall assign a UID.
Row 13	Dose applied by this irradiation event, relative to defined reference point.
Row 15	Angle in patient's "equatorial" plane (LAO to RAO). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1510) in an image instance.
Row 16	Angle in patient's "sagittal" plane (CRAN to CAUD). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1511) in an image instance.
Row 17	In case of motion during irradiation event, Positioner Primary ending angle
Row 18	In case of motion during irradiation event., Positioner Secondary ending angle
Row 19	Column device Angle in equipment based coordinates
Row 20	Collimated area at the receptor plane.

Row 21	If one or more Filter(s) were applied during this irradiation event
Row 28	If a precise count of pulses is not available, an estimated number shall be provided, and the Row 29 Concept Modifier shall indicate “Estimated”
Row 30	KVP value as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 28 “Number of Pulses”.
Row31	Tube current as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 28 “Number of Pulses”.
Row 32	Exposure time as measured/recorded by the system.
Row 33	Pulse width as measured/recorded by the system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 28 “Number of Pulses”.
Row 34	Exposure as measured/recorded by system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 28 “Number of Pulses”. The Exposure will be affected by the shape of the pulse and other factors, and may not be a simple multiplication of tube current and exposure time.
Row 45	The target region is the anatomy exposed.
Row 52	People responsible for the administration of the radiation reported in the irradiation event. May include values which would appear in Performing Physicians’ Name (0008,1050), Performing Physician Identification Sequence (0008,1052), Operators’ Name (0008,1070) and/or Operator Identification Sequence (0008,1072).
Row 53	The device which produced the irradiation in this Irradiation Event. I.e. the X-Ray source.
Row 54	Reference to Image instances created during this event, if any. The UID reference(s) provided here shall be the values at the time the images were initially created. (Note that image UIDs may be changed as the images are managed over a long term.)

TID 10004 Accumulated Projection X-Ray Dose

This general template provides detailed information on projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

TID 10004
ACCUMULATED PROJECTION X-RAY DOSE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113722, DCM, “Dose Area Product Total”)	1	M		Units = EV (Gym2, UCUM, “Gym2”)
2			NUM	EV (113725, DCM, “Dose (RP) Total”)	1	MC	IF any of the values of TID (10001) Row 14 are not (113858, DCM, “MPPS Content”). May be present otherwise.	Units = EV (Gy, UCUM, “Gy”)
3			NUM	EV (113726, DCM, “Fluoro Dose Area Product Total”)	1	MC	IFF TID(10003) Row 3 value = (P5-06000, SRT, “Fluoroscopy”) for at least one irradiation event	Units = EV (Gym2, UCUM, “Gym2”)
4			NUM	EV (113728, DCM, “Fluoro Dose (RP) Total”)	1	MC	IFF TID(10003) Row 3 value = (P5-06000, SRT, “Fluoroscopy”) for at least one irradiation event AND any of the values of TID (10001) Row 14 are not (113858, DCM, “MPPS Content”).	Units = EV (Gy, UCUM, “Gy”)
5			NUM	EV (113730, DCM, “Total Fluoro Time”)	1	MC	IFF TID(10003) Row 3 value = (P5-06000, SRT, “Fluoroscopy”) for at least one irradiation event.	Units = EV (s, UCUM, “s”)

6			NUM	EV (113727, DCM, “Acquisition Dose Area Product Total”)	1	M		Units = EV (Gym2, UCUM, “Gym2”)
7			NUM	EV (113729, DCM, “Acquisition Dose (RP) Total”)	1	MC	IF any of the values of TID (10001) Row 14 are not (113858, DCM, “MPPS Content”). May be present otherwise.	Units = EV (Gy, UCUM, “Gy”)
8			NUM	EV (113855, DCM, “Total Acquisition Time”)	1	M		Units = EV (s, UCUM, “s”)
9			NUM	EV (113731, DCM, “Total Number of Radiographic Frames”)	1	U		Units = EV (1, UCUM, “no units”)
10			CODE	EV (113780, DCM, “Reference Point Definition”)	1	MC	IF Row 2, Row 4 or Row 7 is present and Row 11 is not present.	DCID (10025) Radiation Dose Reference Points
11			TEXT	EV (113780, DCM, “Reference Point Definition”)	1	MC	IF Row 2, Row 4 or Row 7 is present and Row 10 is not present.	

Content Item Descriptions

Row 1	Sum of acquisition and fluoroscopy
Row 2	Sum of acquisition and fluoroscopy, relative to reference point.
Rows 3-5	Fluoroscopic component only
Rows 6-8	Acquisition component only
Row 10	A coded definition of the Reference Point (RP) used for RP-related dose values.
Row 11	A text definition of the Reference Point (RP) used for RP-related dose values.

TID 10005 Accumulated Mammography X-Ray Dose

This modality specific template provides detailed information on mammography X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

TID 10005
ACCUMULATED MAMMOGRAPHY X-RAY DOSE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (111637, DCM, “Accumulated Average Glandular Dose”)	1-2	M		Units = EV (dGy, UCUM, “dGy”
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, “Laterality")	1	M		DCID (6022) Side

CT RADIATION DOSE SR IOD TEMPLATES

The templates that comprise the CT Radiation Dose SR are interconnected as in Figure A-12

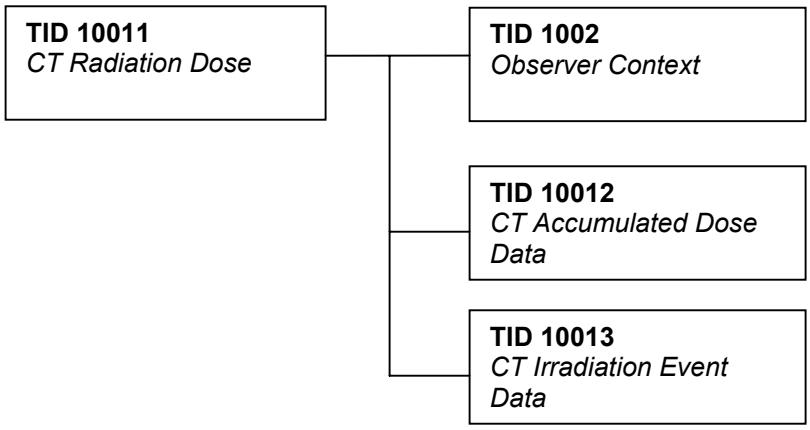


Figure A-12: CT Radiation Dose SR IOD Template Structure

TID 10011 CT Radiation Dose

This template defines a container (the root) with subsidiary content items, each of which corresponds to a single CT X-ray irradiation event entry. There is a defined recording observer (the system or person responsible for recording the log, generally the system). Accumulated values shall be kept for a whole Study or at least a part of a Study, if the Study is divided in the workflow of the examination, or a performed procedure step. Multiple CT Radiation Dose objects may be created for one Study.

TID 10011
CT RADIATION DOSE
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113701, DCM, "X-ray Radiation Dose Report")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		EV (P5-08000,SRT, "Computed Tomography X-ray")
3	>>	HAS CONCEPT MOD	CODE	EV (G-C0E8, SRT, "Has Intent")	1	M		DCID (3629) Procedure Intent
4	>		INCLUDE	DTID (1002) Observer Context	1-n	M		
5	>	HAS OBS CONTEXT	DATETIME	EV (113809, DCM, "Start of X-ray Irradiation")	1	M		
6	>	HAS OBS CONTEXT	DATETIME	EV (113810, DCM, "End of X-ray Irradiation")	1	M		

7	>	HAS OBS CONTEXT	CODE	EV (113705, DCM, “Scope of Accumulation”)	1	M		DCID (10000) Scope of Accumulation
8	>>	HAS PROPERTIES	UIDREF	DCID (10001) UID Types	1	M		
9	>	CONTAINS	INCLUDE	DTID (10012) CT Accumulated Dose Data	1	M		
10	>	CONTAINS	INCLUDE	DTID (10013) CT Irradiation Event Data	1-n	M		
11	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		
12	>	CONTAINS	CODE	EV (113854, DCM, “Source of Dose Information”)	1-n	M		DCID (10021) Source of CT Dose Information
13	>	CONTAINS	INCLUDE	DTID (1020) Person Participant	1	U		$PersonProcedureRole = EV (113850, DCM, “Irradiation Authorizing”)

Content Item Descriptions

Row 4	The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited.
Row 5	Start, Date Time of the first CT Irradiation Event of the accumulation
Row 6	End, Date Time of the last CT Irradiation Event of the accumulation
Row 12	The primary source of information from which this dose object was constructed.
Row 13	The physician responsible for determining that the irradiating procedure was appropriate for the indications. The value may come from Requesting Physician (0032,1032), Requesting Physician Identification Sequence (0032,1031) or somewhere else based on hospital policies.

TID 10012 CT Accumulated Dose Data

This general template provides detailed information on CT X-ray dose value accumulations over several irradiation events from the same equipment and over the scope of accumulation specified for the report (typically a Study or a Performed Procedure Step).

TID 10012
CT ACCUMULATED DOSE DATA
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113811, DCM, ”CT Accumulated Dose Data”)	1	M		
2	>	CONTAINS	NUM	EV (113812, DCM, “Total Number of Irradiation Events”)	1	M		Units = EV ({events} UCUM, “events”)
3	>	CONTAINS	NUM	EV (113813, DCM, “CT Dose Length Product Total”)	1	M		Units = EV (mGycm, UCUM, “mGycm”)

4	>	CONTAINS	NUM	EV (113814, DCM, “CT Effective Dose Total”)	1	U		Units = EV (mSv, UCUM, “mSv”)
5	>>	HAS PROPERTIES	TEXT	EV (121406,DCM, “Reference Authority”)	1	MC	XOR row 6	
6	>>	HAS PROPERTIES	CODE	EV (121406,DCM, “Reference Authority”)	1	MC	XOR row 5	DCID (10015) CT Dose Reference Authority
7	>>	HAS CONCEPT MOD	CODE	EV (G-C036,SRT, “Measurement Method”)	1	M		DCID (10011) Effective Dose Evaluation Method
8	>>	HAS PROPERTIES	TEXT	EV (113815,DCM, “Patient Model”)	1	MC	IF the value of row 7 equals (113800, DCM, “DLP to E conversion via MC computation”) or equals (113801, DCM, “CTDIfreeair to E conversion via MC computation”)	
9	>>	HAS PROPERTIES	CONTAINER	EV (113816, DCM, “Condition Effective Dose measured”)	1	MC	IF the value of row 7 equals (113802, DCM, “DLP to E conversion via measurement”) or equals (113803, DCM, “CTDIfreeair to E conversion via measurement”)	
10	>>>	CONTAINS	TEXT	EV (113817,DCM, “Effective Dose Phantom Type”)	1	M		
11	>>>	CONTAINS	TEXT	EV (113818, DCM, “Dosimeter Type”)	1	M		
12	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		

Content Item Descriptions

Row 2	Total Number of CT irradiation events . A CT irradiation event is one continuous irradiation procedure and is defined through consistent acquisition parameters. In the case of dose modulation the calculations are based on the effective parameters (e.g. the effective mA recorded in the Mean X-ray Tube Current), and these acquisition parameters are consistent.
Row 3	The Dose Length Product (DLP) is calculated for every irradiation event. The Dose Length Product Total is the sum of the DLP values. The calculation is based on the $CTDI_{vol}$ result of each irradiation event.
Row 4	Effective dose (E, in units of mSv) evaluated as a total over the scope is defined in Row 6 of template TID 10011. Effective dose is defined by the reference in Rows 5 or 6 of this template. It may be calculated from a product of DLP and an 'Effective Dose Conversion Factor' (E/DLP). Or it may be calculated from a product of the Mean CTDIfree air and the ratio E/CTDIfree air. The ratios E/DLP or E/CTDIfree air may be evaluated either from computer simulations applying Monte Carlo (MC) sampling techniques or from dosimetric measurements in an anthropomorphic phantom, e.g., the Alderson-Rando phantom.. The specific method used is identified in Rows 7 through 11.
Row 5 - 6	Reference of the base publication defining the Effective Dose, either as a coded value, or a textual bibliographic reference. ICRP Publications shall be referenced using their assigned coded values.
Row 7	Description of the method used for Effective Dose evaluations.
Row 8	Description of the reference-patient mathematical or computational model used when Effective Dose is derived via Monte Carlo simulations of radiation transport in such models. Examples of publications which specify particular reference patient models are NUREG/CR-1159, ORNL/NUREG/TM-367 (1980); NRPB-R186 (1985); GSF-Bericht S-885 (1986); Fill et al., Health Physics Vol. 86 (3): 253-272 (2004).
Row 9	Description of the condition Effective Dose measured
Row 10	Type of Effective Dose phantom used, e.g. Alderson-Rando
Row 11	Type of dosimeter used, e.g. TLD (Thermo Luminescence Dosimeter)

TID 10013 CT Irradiation Event Data

This template conveys the dose and equipment parameters of a single irradiation event.

A CT irradiation event is the occurrence of irradiation being applied to a patient in single continuous time-frame between the start (release) and the stop (cease) of the irradiation. Any on-off switching of the radiation source during the event shall not be treated as separate events; rather the event includes the time between start and stop of radiation as triggered by the user, e.g., a single sequence of scanning comprised of multiple slices acquired with successive tube rotations and table increments shall be treated as a single irradiation event. Depending on the examination workflow and the anatomical target region the CT irradiation event data may split into multiple instances of this template for better dose estimation. The irradiation event is the "smallest" information entity to be recorded in the realm of Radiation Dose reporting. Individual Irradiation Events are described by a set of accompanying physical parameters that are sufficient to understand the "quality" of irradiation that is being applied. This set of parameters may be different for the various types of equipment that are able to create irradiation events.

TID 10013
CT IRRADIATION EVENT DATA
Type: Extensible

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113819, DCM, "CT Acquisition")	1	M		
2	>	CONTAINS	TEXT	EV (125203, DCM, "Acquisition Protocol")	1	U		
3	>	CONTAINS	CODE	EV (123014 , DCM, "Target Region")	1	M		DCID (4030) CT and MR Anatomy Imaged
4	>	CONTAINS	CODE	EV (113820, DCM, "CT Acquisition Type")	1	M		DCID (10013) CT Acquisition Types
5	>	CONTAINS	CODE	EV (G-C32C, SRT, "Procedure Context")	1	U		DCID (10014) Contrast Imaging Technique
6	>	CONTAINS	UIDREF	EV (113769, DCM, "Irradiation Event UID")	1	M		
7	>	CONTAINS	CONTAINER	EV (113822, DCM, "CT Acquisition Parameters")	1	M		
8	>>	CONTAINS	NUM	EV (113824, DCM, "Exposure Time")	1	M		Units = EV (s, UCUM, "s")
9	>>	CONTAINS	NUM	EV (113825, DCM, "Scanning Length")	1	M		Units = EV (mm, UCUM, "mm")
10	>>	CONTAINS	NUM	EV (113826, DCM, "Nominal Single Collimation Width")	1	M		Units = EV (mm, UCUM, "mm")
11	>>	CONTAINS	NUM	EV (113827, DCM, "Nominal Total Collimation Width")	1	M		Units = EV (mm, UCUM, "mm")
12	>>	CONTAINS	NUM	EV (113828, DCM, "Pitch Factor")	1	MC	IF row 4 equals (P5-08001, SRT, "Spiral Acquisition") or equals (113804, DCM, "Sequenced Acquisition")	Units = EV ({ratio}, UCUM, "ratio")
13	>>	CONTAINS	NUM	EV (113823, DCM, "Number of X-ray Sources")	1	M		Units = EV ({X-ray sources}, UCUM, "X-ray sources")
14	>>	CONTAINS	CONTAINER	EV (113831, DCM, "CT X-ray Source Parameters")	1-n	M		
15	>>>	CONTAINS	TEXT	EV (113832, DCM, "Identification Number of the X-ray Source")	1	M		
16	>>>	CONTAINS	NUM	EV (113733, DCM, "KVP")	1	M		Units = EV (kV, UCUM, "kV")
17	>>>	CONTAINS	NUM	EV (113833, DCM, "Maximum X-ray Tube Current")	1	M		Units = EV (mA, UCUM, "mA")
18	>>>	CONTAINS	NUM	EV (113734, DCM, "X-Ray Tube Current"	1	M		Units = EV (mA, UCUM, "mA")
19	>>>	CONTAINS	NUM	EV (113834, DCM, "Exposure Time per Rotation")	1	MC	IF row 4 does not equal (113805, DCM, "Constant Angle Acquisition")	Units = EV (s, UCUM, "s")
20	>>>	CONTAINS	NUM	EV (113821, DCM, "X-ray Filter Aluminum Equivalent")	1	U		Units = EV (mm, UCUM, "mm")

21	>	CONTAINS	CONTAINER	EV (113829, DCM, “CT Dose”)	1	MC	IF row 4 does not equal (113805, DCM, “Constant Angle Acquisition”)	
22	>>	CONTAINS	NUM	EV (113830, DCM, “Mean CTDIvol ”)	1	M		Units = EV (mGy, UCUM, “mGy”)
23	>>	CONTAINS	CODE	EV (113835, DCM, “CTDIw Phantom Type”)	1	M		DCID (4052) Phantom Devices
24	>>	CONTAINS	NUM	EV (113836, DCM, “CTDIfreeair Calculation Factor”)	1	U		Units = EV (mGy/mAs, UCUM, “mGy/mAs”)
25	>>	CONTAINS	NUM	EV (113837, DCM, “Mean CTDIfreeair”)	1	U		Units = EV (mGy, UCUM, “mGy”)
26	>>	CONTAINS	NUM	EV (113838, DCM, “DLP”)	1	M		Units = EV (mGycm, UCUM, “mGycm”)
27	>>	CONTAINS	NUM	EV (113839, DCM, “Effective Dose”)	1	U		Units = EV (mSv, UCUM, “mSv”)
28	>>>	HAS CONCEPT MOD	CODE	EV (G-C036, SRT, “Measurement Method“)	1	MC	IF row 27 is present	DCID (10011) “Effective Dose Evaluation Method”)
29	>>> >	HAS PROPERTIES	NUM	EV (113840, DCM, “Effective Dose Conversion Factor”)	1	MC	IF row 28 is present and equals (113800, DCM, “DLP to E conversion via MC computation”) or equals (113802, DCM, “DLP to E conversion via measurement”)	Units = EV (mSv/mGycm, UCUM, “mSv/mGycm”)
30	>	CONTAINS	TEXT	EV (113842, DCM, “X-ray Modulation Type”)	1	U		
31	>	CONTAINS	TEXT	EV (121106, DCM, “Comment”)	1	U		
32	>	CONTAINS	INCLUDE	DTID (1020) Person Participant	1-n	U		$PersonProcedureRole = EV (113851, DCM, “Irradiation Administering”)
33	>	CONTAINS	INCLUDE	DTID (1021) Device Participant	1	M		$DeviceProcedureRole = EV (113859, DCM, “Irradiating Device”)

Content Item Descriptions

Row 2	User-defined type of clinical acquisition protocol for creating images or image-derived measurements. May be taken from Protocol Name (0018,1030) or from Performed Procedure Step Description (0040,0254).
Row 3	The target region is the anatomy exposed.
Row 4	Description of the method used during acquisition of this CT irradiation event, may be derived from Acquisition Type (0018,9302).
Row 5	The acquisition was performed with or without contrast medium application.
Row 8	Total time the patient has received X-ray exposure during the irradiation event.
Row 9	For Spiral scanning, the scanning length is normally the table travel in mm during the tube loading. For Sequenced scanning, the scanning length is the table travel between consecutive scans times the number of scans. For Stationary and Free scanning, the scanning length is the nominal width of the total collimation.
Row 10	The value of the nominal width (referenced to the location of the isocenter along the z axis) of a single collimated slice in mm.

Row 11	The value of the nominal width (referenced to the location of the isocenter along the z axis) of the nominal total collimation in mm over the area of active X-ray detection (z-coverage).
Row 12	Pitch Factor: For Spiral Acquisition, the Pitch Factor is the ratio of the Table Feed per Rotation to the Nominal Total Collimation Width. For Sequenced Acquisition, the Pitch Factor is the ratio of the Table Feed per single sequenced scan to the Nominal Total Collimation Width.
Row 14	CT X-ray source parameters related to the acquisition. For each X-ray source an item must be present.
Row 15	Identification Number of the X-ray source. Identifies the particular X-ray source (in a multi-source CT system) for which the set of X-ray source parameter values is reported.
Row 16	KVP value as measured/recorded by system.
Row 18	Mean tube current as measured/recorded by system.
Row 19	Exposure time as measured/recorded by the system per rotation.
Row 20	Thickness of an equivalent filter constructed from aluminum, in case of multi source CT systems AND if Row 4 is not present
Row 21	CT Dose for one acquisition
Row 22	"Mean $CTDI_{vol}$" refers to the average value of the $CTDI_{vol}$ applied within this acquisition. $CTDI_{vol}$ is the volume $CTDI_w$, where $CTDI_w$ is the weighted computed tomography dose index 100 as defined in IEC 60601-2-44. For Sequenced and Spiral scanning, $CTDI_{vol} = CTDI_w$/Pitch Factor. For Stationary and Free scanning, $CTDI_{vol} = CTDI_w \times$ Cumulative Exposure Time/ Exposure Time Per Rotation. According to IEC 60601-2-44 Ed 3 for Constant Angle Acquisition may be calculated as CTDIvol = (CTDIw / Current Time Product (mAs)) x X-ray Tube Current (mA) x (Nominal Total Collimation Width (mm) / Table Speed (mm/s)). Note: The ratio CTDIw / Current Time Product is evaluated independently of the Constant Angle Acquisition but with the same settings of tube voltage and Total Collimation Width as those of the Constant Angle Acquisition. See also CTDIvol (0018,9345) and Spiral Pitch Factor (0018,9311) in the Enhanced CT Information Object Description (PS 3.3).
Row 23	The type of phantom used for CTDI measurement according to IEC 60601-2-44 (e.g. Head 16 cm diameter PMMA, Body 32 cm diameter PMMA).
Row 24	The $CTDI_{free\ air}$ Calculation Factor is the $CTDI_{free\ air}$ per mAs, expressed in units of mGy/mAs. The $CTDI_{free\ air}$ Calculation Factor may be used in one method calculating Dose. For example, for this acquisition, Effective Dose = Mean X-ray Tube Current $\times$ Cumulative Exposure Time $\times$ $CTDI_{free\ air}$ Calculation Factor $\times$ (Effective Dose/ $CTDI_{free\ air}$).
Row 25	Mean $CTDI_{free\ air}$ is the mean CTDI for this acquisition, evaluated free-in-air according to IEC 60601-2-44. Mean $CTDI_{free\ air}$ = Mean X-ray Tube Current $\times$ Cumulative Exposure Time $\times$ $CTDI_{free\ air}$ Calculation Factor. The $CTDI_{free\ air}$ may be used in one method of calculating Effective Dose.
Row 26	For Spiral scanning, DLP = $CTDI_{vol} \times$ Scanning Length. For Sequenced scanning, DLP = $CTDI_{vol} \times$ Nominal Total Collimation Width $\times$ Cumulative Exposure Time / Exposure Time per Rotation. For Stationary and Free scanning, DLP = $CTDI_{vol} \times$ Nominal Total Collimation Width (according to IEC 60601-2-44).
Row 27	Effective Dose in mSv of the single continuous time-frame of the irradiation computed as described in TID 10012.
Row 29	The Effective Dose Conversion Factor is the ratio of the Effective Dose to the DLP, expressed in units of mSv/mGycm, and it is used as a factor in one method of estimating Effective Dose. Monte Carlo Simulations (or dosimetric measurements in an anthropomorphic phantom, e.g., the Alderson-Rando phantom) may be used as a basis for the evaluation of Effective Dose Conversion Factors.
Row 30	The type of exposure modulation. May use the value of Exposure Modulation Type (0018,9323) from CT Exposure Macro or from CT Image Module.

Row 32	People responsible for the administration of the radiation reported in the irradiation event. May include values which would appear in Performing Physicians' Name (0008,1050), Performing Physician Identification Sequence (0008,1052), Operators' Name (0008,1070) and/or Operator Identification Sequence (0008,1072).
Row 33	The device which produced the irradiation in this Irradiation Event. I.e. the CT scanner.

Annex B DCMR Context Groups (Normative)

This Annex specifies the content of Context Groups required by DICOM IODs.

Note: Section 7.1 of this Part defines the fields of Context Group tables.

CID 2 Anatomic Modifier

Context ID 2

Anatomic Modifier

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A100	Right
SRT	G-A101	Left
SRT	G-A102	Bilateral
SRT	G-A103	Unilateral
SRT	G-A104	Lateral
SRT	G-A105	Anterior
SRT	G-A106	Posterior
SRT	G-A107	Cephalic
SRT	G-A108	Caudal
SRT	G-A109	Medial
SRT	G-A110	Central
SRT	G-A111	Peripheral
SRT	G-A112	External
SRT	G-A113	Internal
SRT	G-A114	Intermediate
SRT	G-A115	Inferior
SRT	G-A116	Superior
SRT	G-A117	Transverse
SRT	G-A118	Proximal
SRT	G-A119	Distal
SRT	G-A120	Postaxial
SRT	G-A121	Preaxial
SRT	G-A122	Apical
SRT	G-A123	Basal
SRT	G-A127	Afferent
SRT	G-A128	Efferent
SRT	G-A138	Coronal
SRT	G-A139	Superficial

SRT	G-A140	Deep
SRT	G-A142	Horizontal
SRT	G-A143	Longitudinal
SRT	G-A144	Vertical
SRT	G-A145	Sagittal
SRT	G-A147	Axial
SRT	G-A151	Extra-articular
SRT	G-A168	Surface
SRT	G-A169	Gutter
SRT	G-A170	Hilar
SRT	G-A171	Capsular
SRT	G-A172	Subcapsular
SRT	G-A174	Edge
SRT	G-A180	Anterolateral
SRT	G-A182	Posterolateral
SRT	G-A15A	Intra-articular
SRT	G-A428	Marginal

CID 4 Anatomic Region

Context ID 4

Anatomic Region

Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 4030 CT, MR and PET Anatomy Imaged		
NCLUDE CID 4040 Endoscopy Anatomic Regions		
NCLUDE CID 4042 XA/XRF Anatomy Imaged		
SRT	T-32100	Atrium
SRT	T-D8100	Axilla
SRT	T-D2100	Back
SRT	T-D6500	Broad ligament
SRT	T-D1206	Buccal region of face
SRT	T-D2600	Buttock
SRT	T-72100	Calyx
SRT	T-D1206	Cheek
SRT	T-AA200	Cornea
SRT	T-AB000	Ear
SRT	T-41000	Endo-arterial
SRT	T-32000	Endo-cardiac

SRT	T-56000	Endo-esophageal
SRT	T-21300	Endo-nasal
SRT	T-23050	Endo-nasopharyngeal
SRT	T-59600	Endo-rectal
SRT	T-71000	Endo-renal
SRT	T-73000	Endo-ureteric
SRT	T-75000	Endo-urethral
SRT	T-82000	Endo-vaginal
SRT	T-40000	Endo-vascular
SRT	T-48000	Endo-venous
SRT	T-74250	Endo-vesical
SRT	T-D4200	Epigastric region
SRT	T-AA810	Eyelid
SRT	T-D1200	Face
SRT	T-D2310	Flank
SRT	T-15200	Fontanel of skull
SRT	T-D2600	Gluteal region
SRT	T-15710	Hip joint
SRT	T-D4240	Hypogastric region
SRT	T-D1212	Hypoglossal
SRT	T-55300	Hypopharynx
SRT	T-D4010	Intra-abdominal
SRT	G-A15A	Intra-articular
SRT	T-D14000	Intracranial
SRT	T-56000	Intra-esophageal
SRT	T-D6221	Intra-pelvic
SRT	T-D3000	Intra-thoracic
SRT	T-D4211	Left hypochondriac region
SRT	T-D7020	Left inguinal region
SRT	T-D4140	Left lower quadrant of abdomen
SRT	T-D2340	Left lumbar region
SRT	T-D4130	Left upper quadrant of abdomen
SRT	T-04003	Lower inner quadrant of breast
SRT	T-04005	Lower outer quadrant of breast
SRT	T-D2300	Lumbar region
SRT	T-28000	Lung
SRT	T-51000	Mouth
SRT	T-21000	Nose
SRT	T-D4450	Omental bursa
SRT	T-D4600	Omentum
SRT	T-87000	Ovary
SRT	T-65010	Pancreatic duct

SRT	T-D3136	Parasternal
SRT	T-91000	Penis
SRT	T-D2700	Perineum
SRT	T-D9310	Popliteal fossa
SRT	T-72000	Renal pelvis
SRT	T-D4900	Retroperitoneum
SRT	T-D4212	Right hypochondriac region
SRT	T-D7010	Right inguinal region
SRT	T-D4120	Right lower quadrant of abdomen
SRT	T-D2342	Right lumbar region
SRT	T-D4110	Right upper quadrant of abdomen
SRT	T-D1160	Scalp
SRT	T-AA110	Sclera
SRT	T-98000	Scrotum
SRT	T-A7010	Spinal cord
SRT	T-D4210	Subcostal
SRT	T-D1603	Submandibular area
SRT	T-D3213	Subxiphoid
SRT	T-D1620	Supraclavicular region of neck
SRT	T-D4240	Suprapubic region
SRT	T-11218	Suprasternal notch
SRT	T-D9100	Thigh
SRT	T-D3000	Thorax
SRT	T-53000	Tongue
SRT	T-D4230	Umbilical region
SRT	T-04002	Upper inner quadrant of breast
SRT	T-04004	Upper outer quadrant of breast
SRT	T-82000	Vagina
SRT	A-04140	Vascular graft
SRT	T-32400	Ventricle
SRT	T-81000	Vulva
SRT	T-15460	Wrist joint

CID 5 Transducer Approach

Context ID 5

Transducer Approach

Type: Extensible Version: 20061024

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A100	Right
SRT	G-A101	Left

SRT	G-A104	Lateral
SRT	G-A105	Anterior
SRT	G-A106	Posterior
SRT	G-A108	Caudal
SRT	G-A109	Medial
SRT	G-A110	Central
SRT	G-A111	Peripheral
SRT	G-A112	External
SRT	G-A113	Internal
SRT	G-A115	Inferior
SRT	G-A116	Superior
SRT	G-A117	Transverse
SRT	G-A118	Proximal
SRT	G-A119	Distal
SRT	G-A122	Apical
SRT	G-A168	Surface
SRT	G-A599	Ascending
SRT	G-A600	Descending
SRT	T-03000	Subcutaneous tissue
SRT	T-A1120	Dura mater
SRT	T-A1280	Pia mater
SRT	A-2C600	External prosthesis for sonographic procedure [Stand-off]
SRT	A-2C602	Water bag prosthesis for imaging procedure
SRT	A-2C604	Saline bag prosthesis for imaging procedure
SRT	A-2C606	Gel prosthesis for imaging procedure
SRT	G-A107	Cranial
SRT	G-A10A	Midline
SRT	G-A188	Mid-longitudinal
SRT	G-A189	Parasagittal
SRT	R-42142	Intraluminal
SRT	G-A171	Capsular
SRT	T-D0048	Lumen
SRT	G-4022	Contact with
SRT	T-D0062	Parenchyma

Note: In a prior version of this Context Group, the codes G-A11A, G-A11B, G-A12A, G-A16A, G-A16B, G-A16C, and G-A16D were specified for various concepts. The use of some of those codes conflicts with their assignment to other concepts in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 6 Transducer Orientation

Context ID 6

Transducer Orientation

Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A138	Coronal
SRT	G-A143	Longitudinal
SRT	G-A145	Sagittal
SRT	G-A189	Parasagittal
SRT	G-A472	Oblique
SRT	G-A185	Long axis
SRT	G-A13B	Off axis
SRT	G-A186	Short axis
SRT	G-A191	Five chamber
SRT	G-A19B	Two chamber
SRT	G-A19C	Four chamber
SRT	G-A117	Transverse

Note: In a prior version of this table, the code G-A11B was specified for the concept Parasagittal. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 7 Ultrasound Beam Path

Context ID 7

Ultrasound Beam Path

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A1A9	Trans-hepatic
SRT	G-A1B2	Trans-gastric
SRT	G-A1A5	Trans-pleural
SRT	G-A1B3	Trans-mural
SRT	G-A1A8	Trans-orbital
SRT	G-A1A6	Trans-pancreatic
SRT	G-A1A4	Trans-renal
SRT	G-D032	Trans-temporal
SRT	G-A1A2	Trans-thecal
SRT	G-A1A1	Trans-vesical
SRT	G-A1A3	Trans-splenic

SRT	G-D033	Trans-esophageal
SRT	G-D001	Trans-abdominal
SRT	G-D002	Trans-vaginal (endovaginal)

CID 8 Angiographic Interventional Devices

Context ID 8

Angiographic Interventional Devices

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-25500	Stent
SRT	A-26800	Catheter
SRT	A-81080	Laser
SRT	C-20005	Glue
SRT	A-25600	Atherectomy device
SRT	A-25614	Embolization ball
SRT	A-26912	Percutaneous transluminal angioplasty balloon
SRT	A-25612	Embolization coil
SRT	A-25612	Gianturco coil
SRT	A-27322	Detachable balloon
SRT	A-26A06	Fixed object
SRT	A-26A08	Grid
SRT	A-26802	Guiding catheter
SRT	A-25616	Embolization particulate
SRT	A-25610	Rotational atherectomy device
SRT	A-10141	Measuring ruler
DCM	122485	Sphere

CID 9 Image Guided Therapeutic Procedures

Context ID 9

Image Guided Therapeutic Procedures

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-39780	Vasoconstriction
SRT	F-39800	Vasodilatation
SRT	P1-03100	Biopsy
SRT	P1-03176	Removal of foreign body
SRT	P1-05035	Intra-arterial infusion of thrombolytic agent

SRT	P1-05052	Irrigation following insertion of catheter
SRT	P1-05535	Catheterization
SRT	P1-30350	Atherectomy
SRT	P1-30351	Atherectomy by rotary cutter
SRT	P1-30352	Atherectomy by laser
SRT	P1-30530	Selective embolization of artery
SRT	P5-31500	Percutaneous transluminal balloon angioplasty
SRT	P5-39010	Transcatheter therapy for embolization
SRT	P5-39050	Percutaneous retrieval of intravascular foreign body
SRT	P1-00018	Failed attempted procedure
SRT	P1-05550	Stent placement
SRT	P1-05536	Catheter manipulation
SRT	P1-05537	Catheter replacement
SRT	P1-05538	Occlusion of catheter
SRT	P1-05539	Removal of catheter
SRT	P5-39015	Transcatheter deployment of detachable balloon
SRT	P5-39191	Percutaneous insertion of intravascular filter
SRT	P1-86100	Amniocentesis
SRT	P5-B8310	Ultrasonic guidance for amniocentesis
SRT	P1-86520	Amnioinfusion [injection of amnion]
SRT	P1-86180	Intrauterine cordocentesis
SRT	P1-28160	Thoracentesis
SRT	P1-86E70	Breech Version [Obstetrical Version]
SRT	P1-86101	Decompression amniocentesis [decompression of amnion]
SRT	P2-68060	Intrauterine transfusion
SRT	P1-86C50	Fetocide (selective reduction)
SRT	P1-93506	Prostaglandin injection

CID 10 Interventional Drug

Context ID 10

Interventional Drug

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-21005	Ethanol
SRT	C-22947	Methylene blue
SRT	C-51000	Antihistamine
SRT	C-67770	Atropine

SRT	C-72000	Diuretic
SRT	C-80110	Antiarrhythmic drug
SRT	C-80120	Inotropic agent
SRT	C-80123	Cardiotonic drug
SRT	C-80125	Cardiac depressant drug
SRT	C-80130	Cardiac adrenergic blocking agent
SRT	C-80131	Alpha-adrenergic blocking agent
SRT	C-80135	beta-Adrenergic blocking agent
SRT	C-80330	Digoxin
SRT	C-80400	Lidocaine
SRT	C-80401	Lidocaine hydrochloride
SRT	C-80430	Nifedipine
SRT	C-80450	Propranolol
SRT	C-80460	Quinidine
SRT	C-80490	Verapamil
SRT	C-81100	Hypotensive agent
SRT	C-81120	Centrally acting hypotensive agent
SRT	C-81560	Nitroglycerin
SRT	C-A2010	Glucagon preparation
SRT	C-A6500	Anticoagulant
SRT	C-A6530	Warfarin
SRT	C-A6540	Heparin
SRT	C-A6700	Anti-heparin agent
SRT	C-A6710	Protamine sulfate
SRT	C-A6900	Coagulant
SRT	C-A6920	Injectable fibrinogen
SRT	C-A7000	Hemostatic agent
SRT	C-A7001	Astringent drug
SRT	C-A7021	Antihemophilic factor preparation
SRT	C-A7040	Thrombin preparation
SRT	C-A7042	Thromboplastin preparation
SRT	C-A7220	Dextran
SRT	C-A7400	Thrombolytic agent
SRT	C-A7420	Streptokinase preparation
SRT	C-A7430	Urokinase preparation
SRT	C-A7440	Injectable fibrinolysin
SRT	C-C2318	Priscoline hydrocholoride ampuls
SRT	F-B2110	Epinephrine

CID 11 Route of Administration

Context ID 11

Route of Administration

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-D101	Intravenous route
SRT	G-D102	Intra-arterial route
SRT	G-D103	Intramuscular route
SRT	G-D104	Subcutaneous route
SRT	G-D105	Intracutaneous route
SRT	G-D106	Intraperitoneal route
SRT	G-D107	Intramedullary route
SRT	G-D108	Intrathecal route
SRT	G-D109	Intra-articular route
SRT	G-D111	Intraepithelial route
SRT	G-D112	Topical route
SRT	G-D140	Oral route
SRT	G-D142	Transluminal route
SRT	G-D144	Intraluminal route
SRT	G-D146	Extraluminal route
SRT	G-D150	By inhalation
SRT	G-D160	Per rectum
SRT	G-D164	Vaginal route

CID 12 Radiographic Contrast Agent

Context ID 12

Radiographic Contrast Agent

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Trade Name (Informative) (From http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm)
SRT	A-80230	Air	
SRT	C-10110	Oxygen	
SRT	C-10120	Water	
SRT	C-10520	Carbon dioxide	
SRT	C-12217	Barium Sulfate	
SRT	C-17800	Gadolinium	
SRT	C-B0300	Contrast agent	
SRT	C-B0310	Radiopaque medium	

SRT	C-B0312	Non radiopaque medium	
SRT	C-B0315	Bunamiodyl	
SRT	C-B0316	Chloriodized oil	
SRT	C-B0317	Diatrizoate	Angiovist™ (Berlex), Cardiografin™ (Bracco), Cystografin™ (Bracco), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Reno-nn™ (Bracco), Renografin™ (Bracco), Renovist™ (Bracco), Sinografin™ (Bracco), Urovist™ (Berlex)
SRT	C-B0318	Iodipamide	Cholographin™ (Bracco), Sinografin™ (Bracco)
SRT	C-B0319	Iodized oil	
SRT	C-B0323	Iodoalphionic acid	
SRT	C-B0324	Meglumine iodipamide	Cholographin Meglumine™ (Bracco)
SRT	C-B0325	Sodium iodipamide	Cholographin Sodium™ (Bracco)
SRT	C-B0326	Iodamide meglumine	Renovue™ (Bracco)
SRT	C-B0327	Iodopyracet	
SRT	C-B0328	Iopanoic acid	Telepaque™ (GE)
SRT	C-B0331	Iophendylate	Pantopaque™ (Alcon)
SRT	C-B0333	Iophenoxic acid	
SRT	C-B0335	Ipodate	Bilivist™ (Berlex), Oragrafin™ (Bracco)
SRT	C-B0337	Propyliodone	Dionosil™ (GSK)
SRT	C-B0338	Sodium acetrizoate	Salpix™ (Ortho)
SRT	C-B0341	Iodophthalein	
SRT	C-B0342	Sodium diprotrizoate	
SRT	C-B0344	Sodium iodomethamate	
SRT	C-B0345	Meglumine diatrizoate	Angiovist™ (Berlex), Cardiografin™ (Bracco), Cystografin™ (Bracco), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Reno-nn™ (Bracco), Renografin™ (Bracco), Renovist™ (Bracco), Sinografin™ (Bracco), Urovist™ (Berlex)
SRT	C-B0347	Sodium diatrizoate	Angiovist™ (Berlex), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Renografin™ (Bracco), Renovist™ (Bracco), Urovist™ (Berlex)
SRT	C-B0348	Metrizamide	Amipaque™ (GE)
SRT	C-B0349	Sodium tyropanate	
SRT	C-B0301	Ionic iodinated contrast agent	

SRT	C-B0302	Non-ionic iodinated contrast agent	
SRT	C-B0322	Iohexol	Omnipaque™(GE)
SRT	C-B03BC	Iodixanol	Visipaque™(GE)
SRT	C-B03C3	Gadodiamide	Omniscan™(GE)
SRT	C-B05A3	Mangafodipir trisodium	Teslascan™(GE)
SRT	C-B038B	Iothalamate	Conray™ (Mallinckrodt), Cysto-Conray™ (Mallinckrodt), Vascoray™ (Mallinckrodt)
SRT	C-B0339	Ioxaglate	Hexbrix™ (Mallinckrodt)
SRT	C-B03C9	Metrizoate	Isopaque™ (GE)
SRT	C-B03AA	Dimeglumine gadopentetate	Magnevist™ (Berlex)
SRT	C-B0329	Iopamidol	Isovue™ (Bracco)
SRT	C-B0332	Ioversol	Optiray™ (Mallinckrodt)

Note: The codes drawn from SNOMED are recommended to be those from the concept hierarchy of "radiographic contrast media" in the hierarchy "pharmaceutical/biological product", and secondarily from the hierarchy "substance".

CID 13 Radiographic Contrast Agent Ingredient

Context ID 13

Radiographic Contrast Agent Ingredient

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-11400	Iodine
SRT	C-17800	Gadolinium
SRT	C-10520	Carbon Dioxide
SRT	C-12200	Barium
SRT	C-17200	Xenon
SRT	A-80230	Air
SRT	C-10110	Oxygen
SRT	C-10120	Water
SRT	C-130F9	Iron

CID 18 Isotopes in Radiopharmaceuticals

Context ID 18

Isotopes in Radiopharmaceuticals

Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-111A1	^18^Fluorine

SRT	C-114A4	^123^Iodine
SRT	C-114A6	^125^Iodine
SRT	C-114B1	^131^Iodine
SRT	C-122A5	^133^Barium
SRT	C-131A2	^67^Gallium
SRT	C-138A9	^201^Thallium
SRT	C-144A3	^57^Cobalt
SRT	C-145A4	^111^Indium
SRT	C-163A8	^99m^Technetium
SRT	C-172A8	^133^Xenon
SRT	C-173A7	^85^Krypton
SRT	C-178A8	^153^Gadolinium
SRT	C-105A2	^14^Carbon
SRT	C-106A1	^32^Phosphorus
SRT	C-129A2	^51^Chromium
SRT	C-146A9	^198^Gold
SRT	C-127A2	^64^Copper
SRT	C-127A3	^67^Copper
SRT	C-144A4	^58^Cobalt
SRT	C-144A6	^60^Cobalt
SRT	C-130A3	^59^Iron
SRT	C-145A5	^113m^Indium
SRT	C-181A3	^169^Ytterbium
SRT	C-135A2	^42^Potassium
SRT	C-135A3	^43^Potassium
SRT	C-11906	^186^Rhenium
SRT	C-1018D	^188^Rhenium
SRT	C-B1134	^153^Samarium
SRT	C-116A3	^75^Selenium
SRT	C-155A1	^22^Sodium
SRT	C-155A2	^24^Sodium
SRT	C-158A3	^85^Strontium
SRT	C-158A5	^87m^Strontium
SRT	C-158A6	^89^Strontium

Note: The use of this Context Group in the Radionuclide Code Sequence (0054,0300) of the NM Image IOD (see PS3.3) requires a Coding Scheme Designator value of “99SDM”.

CID 19 Patient Orientation

Context ID 19

Patient Orientation

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-10440	erect
SRT	F-10450	recumbent
SRT	F-10460	semi-erect

Note: The use of this Context Group in the Patient Orientation Code Sequence (0054,0410) of the NM Image IOD and the PET Image IOD (see PS3.3) requires a Coding Scheme Designator value of "99SDM".

CID 20 Patient Orientation Modifier

Context ID 20

Patient Orientation Modifier

Type: Extensible Version: 20070524

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-10310	prone
SRT	F-10316	semi-prone
SRT	F-10318	lateral decubitus
SRT	F-10320	standing
SRT	F-10326	anatomical
SRT	F-10330	kneeling
SRT	F-10336	knee-chest
SRT	F-10340	supine
SRT	F-10346	lithotomy
SRT	F-10348	Trendelenburg
SRT	F-10349	inverse Trendelenburg
SRT	F-10380	frog
SRT	F-10390	stooped-over
SRT	F-103A0	sitting
SRT	F-10410	curled-up
SRT	F-10317	right lateral decubitus
SRT	F-10319	left lateral decubitus
SRT	R-40799	lordotic

Note: The use of this Context Group in the Patient Orientation Modifier Code Sequence (0054,0412) of the NM Image IOD and the PET Image IOD (see PS3.3) requires a Coding Scheme Designator value of "99SDM".

CID 21 Patient Gantry Relationship

Context ID 21

Patient Gantry Relationship

Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10516	oblique
SRT	F-10470	headfirst
SRT	F-10480	feet-first
SRT	R-10515	transverse

Notes: 1. The use of this Context Group in the Patient Orientation Modifier Code Sequence (0054,0412) of the NM Image IOD and the PET Image IOD (see PS3.3) requires a Coding Scheme Designator value of "99SDM".

2. In a prior version of this Context Group, the codes G-5190 and G-5191 were specified for the concepts "headfirst" and "feet-first". The use of these codes is deprecated as they are not actually in SNOMED. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 23 Cranio-caudad Angulation

Context ID 23

Cranio-caudad Angulation

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A107	Cephalic
SRT	G-A108	Caudal

CID 25 Radiopharmaceuticals

Context ID 25

Radiopharmaceuticals

Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-B1302	Carbon^14^ D-xylose
SRT	C-B1300	Carbon^14^ triolein
SRT	C-B1304	Cholyl-carbon^14^ glycine
SRT	C-B1140	Chromic phosphate P^32^
SRT	C-B1012	Chromium^51^ albumin
SRT	C-B1013	Chromium^51^ chloride

SRT	C-B1051	Colloidal gold Au^198^
SRT	C-B1063	Colloidal Indium^111^
SRT	C-B1017	Copper^64^ acetate
SRT	C-B1016	Copper^64^ versenate
SRT	C-B1018	Copper^67^ ceruloplasmin
SRT	C-B1021	Cyanocobalamin Co^57^
SRT	C-B1022	Cyanocobalamin Co^58^
SRT	C-B1023	Cyanocobalamin Co^60^
SRT	C-B1000	Diagnostic radioisotope
SRT	C-B1092	Diiodofluorecein I^131^
SRT	C-B1062	Disodium indium^111^
SRT	C-B1122	Ferrous chloride Fe^59^
SRT	C-B1121	Ferrous citrate Fe^59^
SRT	C-B1123	Ferrous sulfate Fe^59^
SRT	C-B1082	Fibrinogen I^123^
SRT	C-B1031	Fluorodeoxyglucose F^18^
SRT	C-B1041	Gallium^67^ citrate
SRT	C-B1061	Indium^111^ pentetate
SRT	C-B1066	Indium^111^ red cell label
SRT	C-B1067	Indium^111^ transferrin
SRT	C-B1065	Indium^111^-Fe(OH)>3<
SRT	C-B1135	Indium^111^oxyquinoline
SRT	C-B1068	Indium^113m^ bleomycin
SRT	C-B1069	Indium^113m^ chloride
SRT	C-B1072	Indium^113m^ oxoquinoline platelet label
SRT	C-B1073	Indium^113m^ oxoquinoline RBC label
SRT	C-B1071	Indium^113m^ oxoquinoline WBC label
SRT	C-B1070	Indium^113m^ pentetate
SRT	C-B1084	Iodinated I^125^ albumin
SRT	C-B1100	Iodinated I^125^ human serum albumin
SRT	C-B1094	Iodinated I^125^ levothyroxine
SRT	C-B1093	Iodinated I^125^ oleic acid and triolein
SRT	C-B1096	Iodinated I^125^ povidone
SRT	C-B1097	Iodinated I^125^ Rose Bengal
SRT	C-B1098	Iodinated I^125^ sealed source
SRT	C-B1099	Iodinated I^125^ sodium iodine
SRT	C-B1090	Iodinated I^131^ aggregated albumin
SRT	C-B1089	Iodinated I^131^ albumin
SRT	C-B1111	Iodinated I^131^ gamma globulin
SRT	C-B1109	Iodine^131^ polyvinylpyrrolidone
SRT	C-B1087	Iodocholesterol I^131^
SRT	C-B1095	Iodohippurate I^123^ sodium

SRT	C-B1105	Iodohippurate I^125^ sodium
SRT	C-B1091	Iodohippurate I^131^ sodium
SRT	C-B1108	Iofetamine I^123^ hydrochloride
SRT	C-B1088	Iothalamate sodium I^125^
SRT	C-B1124	Iron Fe^59^ labeled dextran
SRT	C-B1083	Oleic acid I^125^
SRT	C-B1251	Pentetate calcium trisodium Yb^169^
SRT	C-B1151	Potassium carbonate K^42^
SRT	C-B1152	Potassium chloride K^42^
SRT	C-B1150	Potassium chloride K^43^
SRT	C-B1085	Rose Bengal sodium I^131^
SRT	C-B1172	Selenium^75^ HCAT
SRT	C-B1171	Selenomethionione Se^75^
SRT	C-B1176	Sodium chloride Na^22^
SRT	C-B1175	Sodium chloride Na^24^
SRT	C-B1011	Sodium chromate Cr^51^
SRT	C-B1032	Sodium fluoride F^18^
SRT	C-B1081	Sodium iodide I^123^
SRT	C-B1086	Sodium iodide I^131^
SRT	C-B1206	Sodium pertechnetate Tc^99m^
SRT	C-B1142	Sodium phosphate P^32^
SRT	C-B1180	Strontium chloride Sr^85^
SRT	C-B1181	Strontium chloride Sr^87^
SRT	C-B1182	Strontium nitrate Sr^85^
SRT	C-B1183	Strontium nitrate Sr^87^
SRT	C-B1225	Technetium Tc^99m^ N-substituted iminodiacetate
SRT	C-B1224	Technetium Tc^99m^ tagged red cells
SRT	C-B1205	Technetium Tc^99c^ albumin microspheres
SRT	C-B1133	Technetium Tc^99m^ depreotide
SRT	C-B1207	Technetium Tc^99m^ disofenin
SRT	C-B1223	Technetium Tc^99m^ exametazine
SRT	C-B1210	Technetium Tc^99m^ iron ascorbate
SRT	C-B1209	Technetium Tc^99m^ lidofenin
SRT	C-B1208	Technetium Tc^99m^ mebrofenin
SRT	C-B1212	Technetium Tc^99m^ medronate
SRT	C-B1213	Technetium Tc^99m^ oxidronate
SRT	C-B1214	Technetium Tc^99m^ pentetate
SRT	C-B1215	Technetium Tc^99m^ pyro and polyphosphates
SRT	C-B1216	Technetium Tc^99m^ serum albumin
SRT	C-163AB	Technetium Tc^99m^ sestamibi

SRT	C-B1220	Technetium Tc^99m^ sodium glucoheptonate
SRT	C-B1211	Technetium Tc^99m^ stannous etidronate
SRT	C-B1221	Technetium Tc^99m^ succimer
SRT	C-B1222	Technetium Tc^99m^ sulfur colloid
SRT	C-163AC	Technetium Tc^99m^Teboroxime
SRT	C-163AD	Technetium Tc^99m^Tetrofosmin
SRT	C-B1200	Technetium Tc^99m^ aggregated albumin
SRT	C-B1204	Technetium Tc^99m^ albumin colloid
SRT	C-B1203	Technetium Tc^99m^ microaggregated albumin
SRT	C-B1231	Thallous chloride Tl^201^
SRT	C-B1010	Therapeutic radioisotope
SRT	C-B1251	Yb^169^-DTPA - pentetate

CID 26 Nuclear Medicine Projections

Context ID 26

Nuclear Medicine Projections

Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A138	Coronal
SRT	G-A145	Sagittal
SRT	G-A147	Axial
SRT	G-5206	Right anterior oblique
SRT	G-5207	Left anterior oblique
SRT	G-5208	Right posterior oblique
SRT	G-5209	Left posterior oblique
SRT	G-5210	Oblique axial
SRT	G-5212	Sagittal-oblique axial
SRT	G-5220	Medial-lateral
SRT	G-5221	Lateral-medial
SRT	G-5222	Right lateral projection
SRT	G-5223	Left lateral projection
SRT	G-5224	Medio-lateral oblique
SRT	G-5225	Latero-medial oblique
SRT	G-A117	Transverse
SRT	G-A104	Lateral
SRT	G-A186	Short Axis
SRT	G-A18A	Vertical Long Axis
SRT	G-A18B	Horizontal Long Axis
SRT	G-5215	Anterior projection

SRT	G-5216	Posterior projection

Notes: 1. In a prior version of this table, the code G-A117 was specified for the concept Transaxial, and R-11300 was specified for the concept Transverse. Since these concepts are synonymous in nuclear projections, and since SNOMED assigns G-A117 to the concept Transverse, the use of R-11300 is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

2. The following Code Values were formerly included in CID 26 and are retired:

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	*G-5200*	*Antero-posterior*
SRT	*G-5201*	*Postero-anterior*
SRT	*G-5203*	*Frontal oblique*
SRT	*G-5204*	*Antero-posterior Oblique*
SRT	*G-5205*	*Postero-anterior Oblique*
SRT	*G-5211*	*Frontal-oblique axial*
SRT	*G-5213*	*Submento-vertex axial*
SRT	*G-5214*	*Oblique submento-vertex*
SRT	*G-5226*	*Right to left oblique*
SRT	*G-5227*	*Left to right oblique*

CID 29 Acquisition Modality

This Context Group includes codes that may be used to identify an image or waveform acquisition modality, as used in Attribute Modality (0008,0060) of a Modality Worklist Scheduled Procedure Step or a Composite SOP Instance (see PS3.3). It generally corresponds to a class of diagnostic equipment, or to a specific acquisition function or technique in a device. This Context Group may be used as the value set for HL7 v2 Table 0259 (see HL7 v2.6 Chapter 8 Section 8.8.8.47).

Note: This Context Group is not the complete set of codes that may appear in the Attribute Modality (0008,0060); these are only the codes associated with orderable acquisition processes (not post-processing).

Context ID 29
Acquisition Modality
Type: Extensible Version: 20090615

Coding Scheme Designator	Code Value	Code Meaning
DCM	AR	Autorefraction
DCM	BMD	Bone Mineral Densitometry
DCM	BDUS	Ultrasound Bone Densitometry
DCM	EPS	Cardiac Electrophysiology
DCM	CR	Computed Radiography
DCM	CT	Computed Tomography

DCM	DX	Digital Radiography
DCM	ECG	Electrocardiography
DCM	ES	Endoscopy
DCM	XC	External-camera Photography
DCM	GM	General Microscopy
DCM	HD	Hemodynamic Waveform
DCM	IO	Intra-oral Radiography
DCM	IVUS	Intravascular Ultrasound
DCM	KER	Keratometry
DCM	LEN	Lensometry
DCM	MR	Magnetic Resonance
DCM	MG	Mammography
DCM	NM	Nuclear Medicine
DCM	OAM	Ophthalmic Axial Measurements
DCM	OCT	Optical Coherence Tomography
DCM	OPM	Ophthalmic Mapping
DCM	OP	Ophthalmic Photography
DCM	OPR	Ophthalmic Refraction
DCM	OPT	Ophthalmic Tomography
DCM	OPV	Ophthalmic Visual Field
DCM	PX	Panoramic X-Ray
DCM	PT	Positron emission tomography
DCM	RF	Radiofluoroscopy
DCM	RG	Radiographic imaging
DCM	SM	Slide Microscopy
DCM	SRF	Subjective Refraction
DCM	US	Ultrasound
DCM	VA	Visual Acuity
DCM	XA	X-Ray Angiography

CID 30 DICOM Devices

This Context Group includes codes that may be used to identify a class of equipment that uses DICOM.

Context ID 30
DICOM Devices
Type: Extensible Version: 20030108

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 29 Acquisition Modality		
DCM	ARCHIVE	Archive
DCM	COMP	Computation Server
DCM	CAD	Computer Assisted Detection/Diagnosis
DCM	DSS	Department System Scheduler
DCM	FILMD	Film Digitizer
DCM	MCD	Media Creation Device
DCM	PRINT	Hard Copy Print Server
DCM	CAPTURE	Image Capture
DCM	LOG	Procedure Logging
DCM	RT	Radiation Therapy Device
DCM	WSD	Workstation

CID 31 Abstract Priors

This Context Group includes codes that may be used to identify imaging procedures that may be referred to as priors for the purpose of image set selection in Hanging Protocols.

Context ID 31
Abstract Priors
Type: Extensible Version: 20060126

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-7292	On admission
SRT	R-400B2	Intraoperative
SRT	R-41FD9	Pre-admission
SRT	R-411C0	Pre-dose
SRT	R-404DA	Post-dose
SRT	R-413C5	Pre-operative
SRT	R-413B7	Post-operative
DCM	109120	On admission to unit
DCM	109121	On discharge
DCM	109122	On discharge from unit
DCM	109123	Pre-intervention

DCM	109124	Post-intervention
DCM	109125	At last appointment

CID 42 Numeric Value Qualifier

CID 42
Numeric Value Qualifier

Type: Extensible Version: 20020114

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	114000	Not a number
DCM	114001	Negative Infinity
DCM	114002	Positive Infinity
DCM	114003	Divide by zero
DCM	114004	Underflow
DCM	114005	Overflow
DCM	114006	Measurement failure
DCM	114007	Measurement not attempted
DCM	114008	Calculation failure
DCM	114009	Value out of range
DCM	114010	Value unknown
DCM	114011	Value indeterminate

CID 50 Instance Availability Status

Context ID 50
Instance Availability Status
Type: Non-Extensible Version: 20090616

Coding Scheme Designator	Code Value	Code Meaning
DCM	NEARLINE	Nearline
DCM	OFFLINE	Offline
DCM	ONLINE	Online
DCM	UNAVAILABLE	Unavailable

CID 82 Units of Measurement

Context ID 82 – Units of Measurement

Not defined as a table of codes per se, but rather constructed from UCUM. See section 7.2.2.

CID 83 Units for Real World Value Mapping

CID 83
Units for Real World Value Mapping
Type: Extensible Version: 20080123

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 84 PET Units for Real World Value Mapping		
UCUM	[hnsf'U]	Hounsfield unit

CID 84 PET Units for Real World Value Mapping

Context ID 84
PET Units for Real World Value Mapping
Type: Extensible Version: 20080123

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	{counts}	Counts
UCUM	{counts}/s	Counts per second
UCUM	{SUVbw}g/ml	Standardized Uptake Value body weight
UCUM	{SUVlbm}g/ml	Standardized Uptake Value lean body mass
UCUM	{SUVbsa}cm2/ml	Standardized Uptake Value body surface area
UCUM	{propcounts}	Proportional to counts
UCUM	{propcounts}/s	Proportional to counts per second
UCUM	cm^2	Centimeter**2
UCUM	%	Percent
UCUM	Bq/ml	Becquerels/milliliter
UCUM	mg/min/ml	Milligrams/minute/milliliter
UCUM	umol/min/ml	Micromole/minute/milliliter
UCUM	ml/min/g	Milliliter/minute/gram
UCUM	ml/g	Milliliter/gram
UCUM	/cm	/Centimeter
UCUM	umol/ml	Micromole/milliliter

CID 220 Level of Significance

Level of Significance
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00333	Most significant
SRT	R-0030C	Highly significant

SRT	R-10045	Significant
SRT	R-00345	Not significant
SRT	R-10046	Significance Undetermined

CID 221 Measurement Range Concepts

Context ID 221
Measurement Range Concepts
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 226 Population Statistical Descriptors		
INCLUDE CID 227 Sample Statistical Descriptors		

CID 222 Normality Codes

Context ID 222
Normality Codes
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A460	Normal
SRT	R-42037	Abnormal
SRT	R-002C4	Abnormally High
SRT	R-002C5	Abnormally Low
SRT	G-A385	Normality Undetermined

CID 223 Normal Range Values

Context ID 223
Normal Range Values
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-0038B	Normal Range Upper Limit
SRT	R-10041	Normal Range Lower Limit

CID 224 Selection Method

Context ID 224
Selection Method
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121410	User chosen value
DCM	121411	Most recent value chosen
DCM	121412	Mean value chosen

CID 225 Measurement Uncertainty Concepts

Context ID 225
Measurement Uncertainty Concepts
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00363	+/- , range of measurement uncertainty
SRT	R-00364	+ , range of upper measurement uncertainty
SRT	R-00362	- , range of lower measurement uncertainty

CID 226 Population Statistical Descriptors

Context ID 226
Population Statistical Descriptors
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00337	95th Percentile Value of population
SRT	R-00338	90th Percentile Value of population
SRT	R-00346	1 Sigma Upper Value of population
SRT	R-00387	2 Sigma Upper Value of population
SRT	R-00317	Mean Value of population
SRT	R-00319	Median Value of population
SRT	R-00377	10th Percentile Value of population
SRT	R-00397	5th Percentile Value of population
SRT	R-00347	1 Sigma Lower Value of population
SRT	R-00388	2 Sigma Lower Value of population
DCM	121414	Standard deviation of population
DCM	121417	2 Sigma deviation of population

CID 227 Sample Statistical Descriptors

Context ID 227
Sample Statistical Descriptors
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121415	Percentile Ranking of measurement
DCM	121416	Z-Score of measurement

CID 228 Equation or Table

Context ID 228
Equation or Table
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121420	Equation
DCM	121421	Equation Citation
DCM	121424	Table of Values
DCM	121422	Table of Values Citation
DCM	121423	Method Citation

CID 230 Yes-No

Context ID 230
Yes-No
Type: Non-extensible Version: 20060613

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-0038D	Yes
SRT	R-00339	No
SRT	R-0038A	Undetermined

CID 240 Present-Absent

Context ID 240
Present-Absent
Type: Non-extensible Version: 20050110

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A203	Present
SRT	R-4089B	Absent
SRT	R-40271	Presence Undetermined

CID 242 Normal-Abnormal

This Context Group is a subset of CID 222 Normality Codes.

Context ID 242
Normal-Abnormal

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A460	Normal
SRT	R-42037	Abnormal
SRT	G-A385	Normality Undetermined

CID 244 Laterality

Context ID 244
Laterality
Type: Non-Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A100	Right
SRT	G-A101	Left
SRT	G-A102	Right and left
SRT	G-A103	Unilateral

CID 250 Positive-Negative

Context ID 250

Positive-Negative

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A200	Positive
SRT	R-40759	Negative

CID 251 Severity of Complication

Context ID 251

Severity of Complication

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404F9	Major

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404FC	Minor

CID 252 S-M-L Size Descriptor

CID 6118 is a superset of this Context Group.

Context ID 252
S-M-L Size Descriptor
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-404A8	Small
SRT	R-404A9	Medium
SRT	R-404AA	Large

CID 270 Observer Type

Context ID 270
Observer Type
Type: Non-Extensible Version: 20040920

Coding Scheme Designator	Code Value	Code Meaning
DCM	121006	Person
DCM	121007	Device

CID 271 Observation Subject Class

Context ID 271
Observation Subject Class
Type: Non-Extensible Version: 20071102

Coding Scheme Designator	Code Value	Code Meaning
DCM	121025	Patient
DCM	121026	Fetus
DCM	121027	Specimen
DCM	121192	Device Subject

CID 3000 Audio Channel Source

Context ID 3000
Audio Channel Source
Type: Extensible Version: 20040326

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	109110	Voice
DCM	109111	Operator's narrative
DCM	109112	Ambient room environment
DCM	109113	Doppler audio
DCM	109114	Phonocardiogram
DCM	109115	Physiological audio signal

CID 3001 ECG Leads

This Context Group comprises the ECG lead identifiers of ISO/IEEE 11073-10101, including human and canine leads. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Context ID 3001
ECG Leads

Type: Extensible Version: 20080927

Coding Scheme	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	2:71	Lead A (Nehb – Anterior)	MDC_ECG_LEAD_A
MDC	2:75	Auxiliary unipolar lead 1	MDC_ECG_LEAD_A1
MDC	2:76	Auxiliary unipolar lead 2	MDC_ECG_LEAD_A2
MDC	2:77	Auxiliary unipolar lead 3	MDC_ECG_LEAD_A3
MDC	2:78	Auxiliary unipolar lead 4	MDC_ECG_LEAD_A4
MDC	2:127	Auxiliary bipolar lead 1	MDC_ECG_LEAD_AB1
MDC	2:128	Auxiliary bipolar lead 2	MDC_ECG_LEAD_AB2
MDC	2:129	Auxiliary bipolar lead 3	MDC_ECG_LEAD_AB3
MDC	2:130	Auxiliary bipolar lead 4	MDC_ECG_LEAD_AB4
MDC	2:133	EASI Lead AI	MDC_ECG_LEAD_AI
MDC	2:132	EASI Lead AS	MDC_ECG_LEAD_AS
MDC	2:64	aVF, augmented voltage, foot	MDC_ECG_LEAD_AVF
MDC	2:63	aVL, augmented voltage, left	MDC_ECG_LEAD_AVL
MDC	2:62	aVR, augmented voltage, right	MDC_ECG_LEAD_AVR
MDC	2:65	−aVR	MDC_ECG_LEAD_AVRneg
MDC	2:26	Chest lead	MDC_ECG_LEAD_C
MDC	2:124	negative: low right scapula Lead	MDC_ECG_LEAD_CB5

MDC	2:98	Chest lead (symmetric placement)	MDC_ECG_LEAD_CC
MDC	2:99	Chest lead per V1 and V1R placement	MDC_ECG_LEAD_CC1
MDC	2:100	Chest lead per V2 and V2R placement	MDC_ECG_LEAD_CC2
MDC	2:101	Chest lead per V3 and V3R placement	MDC_ECG_LEAD_CC3
MDC	2:102	Chest lead per V4 and V4R placement	MDC_ECG_LEAD_CC4
MDC	2:19	Chest lead per V5 and V5R placement	MDC_ECG_LEAD_CC5
MDC	2:103	Chest lead per V6 and V6R placement	MDC_ECG_LEAD_CC6
MDC	2:104	Chest lead per V7 and V8R placement	MDC_ECG_LEAD_CC7
MDC	2:122	Lead CH5	MDC_ECG_LEAD_CH5
MDC	2:105	Chest-manubrium lead	MDC_ECG_LEAD_CM
MDC	2:106	Chest-manubrium lead per V1 placement	MDC_ECG_LEAD_CM1
MDC	2:107	Chest-manubrium lead per V2 placement	MDC_ECG_LEAD_CM2
MDC	2:108	Chest-manubrium lead per V3 placement	MDC_ECG_LEAD_CM3
MDC	2:109	Chest-manubrium lead per V4 placement	MDC_ECG_LEAD_CM4
MDC	2:19	Chest-manubrium lead per V5 placement	MDC_ECG_LEAD_CM5
MDC	2:110	Chest-manubrium lead per V6 placement	MDC_ECG_LEAD_CM6
MDC	2:121	Chest-manubrium lead per V7 placement	MDC_ECG_LEAD_CM7
MDC	2:125	Lead CR5	MDC_ECG_LEAD_CR5
MDC	2:123	negative: right infraclavicular fossa	MDC_ECG_LEAD_CS5
MDC	2:148	Canine, fifth right intercostal space near edge of sternum	MDC_ECG_LEAD_CV5RL
MDC	2:149	Canine, sixth left intercostal space near edge of sternum	MDC_ECG_LEAD_CV6LL
MDC	2:150	Canine, sixth left intercostal space at costochondral junction	MDC_ECG_LEAD_CV6LU
MDC	2:70	Lead D (Nehb – Dorsal)	MDC_ECG_LEAD_D
MDC	2:114	Derived Lead aVF	MDC_ECG_LEAD_daVF
MDC	2:113	Derived Lead aVL	MDC_ECG_LEAD_daVL
MDC	2:112	Derived Lead aVR	MDC_ECG_LEAD_daVR
MDC	2:73	Defibrillator lead: anterior-lateral	MDC_ECG_LEAD_DEFIB
MDC	2:31	Derived Lead I	MDC_ECG_LEAD_dI
MDC	2:32	Derived Lead II	MDC_ECG_LEAD_dII
MDC	2:111	Derived Lead III	MDC_ECG_LEAD_dIII
MDC	2:33	Derived Lead V1	MDC_ECG_LEAD_dV1
MDC	2:34	Derived Lead V2	MDC_ECG_LEAD_dV2
MDC	2:35	Derived Lead V3	MDC_ECG_LEAD_dV3
MDC	2:36	Derived Lead V4	MDC_ECG_LEAD_dV4
MDC	2:37	Derived Lead V5	MDC_ECG_LEAD_dV5
MDC	2:38	Derived Lead V6	MDC_ECG_LEAD_dV6
MDC	2:131	EASI Lead ES	MDC_ECG_LEAD_ES
MDC	2:74	External pacing lead: anterior-posterior	MDC_ECG_LEAD_EXTERN

MDC	2:27	Frank Lead A	MDC_ECG_LEAD_fA
MDC	2:26	Frank Lead C	MDC_ECG_LEAD_fC
MDC	2:25	Frank Lead E	MDC_ECG_LEAD_fE
MDC	2:29	Frank Lead F	MDC_ECG_LEAD_fF
MDC	2:30	Frank Lead H	MDC_ECG_LEAD_fH
MDC	2:24	Frank Lead I	MDC_ECG_LEAD_fI
MDC	2:28	Frank Lead M	MDC_ECG_LEAD_fM
MDC	2:1	Lead I	MDC_ECG_LEAD_I
MDC	2:2	Lead II	MDC_ECG_LEAD_II
MDC	2:3	Lead III	MDC_ECG_LEAD_III
MDC	2:72	Lead J (Nehb – Inferior)	MDC_ECG_LEAD_J
MDC	2:21	Left Arm Lead	MDC_ECG_LEAD_LA
MDC	2:23	Left Leg Lead	MDC_ECG_LEAD_LL
MDC	2:91	Modified chest lead (left arm indifferent)	MDC_ECG_LEAD_MCL
MDC	2:92	Modified chest lead per V1 placement	MDC_ECG_LEAD_MCL1
MDC	2:93	Modified chest lead per V2 placement	MDC_ECG_LEAD_MCL2
MDC	2:94	Modified chest lead per V3 placement	MDC_ECG_LEAD_MCL3
MDC	2:95	Modified chest lead per V4 placement	MDC_ECG_LEAD_MCL4
MDC	2:96	Modified chest lead per V5 placement	MDC_ECG_LEAD_MCL5
MDC	2:97	Modified chest lead per V6 placement	MDC_ECG_LEAD_MCL6
MDC	2:126	Modified limb lead	MDC_ECG_LEAD_ML
MDC	2:22	Right Arm Lead	MDC_ECG_LEAD_RA
MDC	2:147	Right Leg Lead	MDC_ECG_LEAD_RL
MDC	2:134	EASI upper sternum lead	MDC_ECG_LEAD_S
MDC	2:87	Precordial lead	MDC_ECG_LEAD_V
MDC	2:3	Lead V1	MDC_ECG_LEAD_V1
MDC	2:151	Canine, over dorsal spinous process of 7th thoracic vertebra	MDC_ECG_LEAD_V10
MDC	2:4	Lead V2	MDC_ECG_LEAD_V2
MDC	2:10	Lead V2R	MDC_ECG_LEAD_V2R
MDC	2:5	Lead V3	MDC_ECG_LEAD_V3
MDC	2:11	Lead V3R	MDC_ECG_LEAD_V3R
MDC	2:6	Lead V4	MDC_ECG_LEAD_V4
MDC	2:12	Lead V4R	MDC_ECG_LEAD_V4R
MDC	2:7	Lead V5	MDC_ECG_LEAD_V5
MDC	2:13	Lead V5R	MDC_ECG_LEAD_V5R
MDC	2:8	Lead V6	MDC_ECG_LEAD_V6
MDC	2:14	Lead V6R	MDC_ECG_LEAD_V6R
MDC	2:9	Lead V7	MDC_ECG_LEAD_V7
MDC	2:15	Lead V7R	MDC_ECG_LEAD_V7R
MDC	2:66	Lead V8	MDC_ECG_LEAD_V8

MDC	2:68	Lead V8R	MDC_ECG_LEAD_V8R
MDC	2:67	Lead V9	MDC_ECG_LEAD_V9
MDC	2:69	Lead V9R	MDC_ECG_LEAD_V9R
MDC	2:90	Lead VF, nonaugmented voltage, vector of LL	MDC_ECG_LEAD_VF
MDC	2:89	Lead VL, nonaugmented voltage, vector of LA	MDC_ECG_LEAD_VL
MDC	2:88	Lead VR, nonaugmented voltage, vector of RA	MDC_ECG_LEAD_VR
MDC	2:16	Lead X	MDC_ECG_LEAD_X
MDC	2:17	Lead Y	MDC_ECG_LEAD_Y
MDC	2:18	Lead Z	MDC_ECG_LEAD_Z
MDC	2:0	Unspecified lead	MDC_ECG_LEAD_CONFIG

Note: A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3003 Hemodynamic Waveform Sources

Context ID 3003
Hemodynamic Waveform Sources
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	G-DB22	Aortic pressure waveform
SRT	G-DB31	Aortic valve pullback pressure waveform
SRT	G-DB24	Arterial pressure waveform
SRT	G-DB23	Central venous pressure waveform
SRT	G-DB33	Dye dilution cardiac output waveform
SRT	G-DB20	Femoral artery pressure waveform
SRT	G-DB12	Hemodynamic flow waveform
SRT	G-DB34	Hemodynamic impedance waveform
SRT	G-DB13	Hemodynamic oxygen saturation waveform
SRT	G-DB11	Hemodynamic pressure waveform
SRT	G-DB10	Hemodynamic waveform
SRT	G-DB19	Left atrium pressure waveform
SRT	G-DB16	Left ventricle pressure waveform
SRT	G-DB28	Mitral valve pullback pressure waveform
SRT	G-DB25	Pulmonary artery oxygen saturation waveform
SRT	G-DB21	Pulmonary artery pressure waveform
SRT	G-DB27	Pulmonary artery wedge pressure waveform
SRT	G-DB26	Pulmonary capillary wedge pressure waveform
SRT	G-DB30	Pulmonary valve pullback pressure waveform
SRT	G-DB14	Respiration impedance waveform

SRT	G-DB18	Right atrium pressure waveform
SRT	G-DB17	Right ventricle pressure waveform
SRT	G-DB15	Temperature waveform
SRT	G-DB32	Thermal cardiac output waveform
SRT	G-DB29	Tricuspid valve pullback pressure waveform

CID 3004 Arterial Pulse Waveform

Context ID 3004
Arterial Pulse Waveform

Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	109116	Arterial Pulse Waveform

CID 3005 Respiration Waveform

Context ID 3005
Respiration Waveform

Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	109117	Respiration Waveform

CID 3010 Cardiovascular Anatomic Locations

Context ID 3010
Cardiovascular Anatomic Locations

Type: Extensible Version: 20061024

Coding Scheme	Code Value	Code Meaning
SRT	T-42500	Abdominal aorta
SRT	T-48503	Anomalous pulmonary vein
SRT	T-49215	Antecubital vein
SRT	T-48440	Anterior cardiac vein
SRT	T-45530	Anterior communicating artery
SRT	T-45730	Anterior spinal artery
SRT	T-47700	Anterior tibial artery
SRT	T-42000	Aorta
SRT	T-42300	Aortic arch
SRT	D3-81922	Aortic fistula
SRT	T-32602	Apex of left ventricle
SRT	T-32502	Apex of right ventricle

SRT	T-41000	Artery
SRT	T-42100	Ascending aorta
SRT	T-47100	Axillary Artery
SRT	T-49110	Axillary vein
SRT	T-48340	Azygos vein
SRT	A-00203	Baffle
SRT	T-45800	Basilar artery
SRT	T-D00AB	Body conduit
SRT	T-49424	Boyd's perforating vein
SRT	T-47160	Brachial artery
SRT	T-49350	Brachial vein
SRT	T-45010	Carotid Artery
SRT	T-49240	Cephalic vein
SRT	T-45510	Cerebral artery
SRT	D4-31320	Common atrium
SRT	T-45100	Common carotid artery
SRT	T-46710	Common iliac artery
SRT	T-48920	Common iliac vein
SRT	D4-31120	Common ventricle
SRT	D4-32504	Congenital coronary artery fistula to left atrium
SRT	D4-32506	Congenital coronary artery fistula to left ventricle
SRT	D4-32509	Congenital coronary artery fistula to right atrium
SRT	D4-32510	Congenital coronary artery fistula to right ventricle
SRT	D3-40208	Congenital pulmonary arteriovenous fistula
SRT	T-43000	Coronary artery
SRT	T-48410	Coronary sinus
SRT	T-42400	Descending aorta
SRT	T-49429	Dodd's perforating vein
SRT	T-45200	External carotid artery
SRT	T-46910	External iliac artery
SRT	T-48930	External iliac vein
SRT	T-45240	Facial artery
SRT	T-47400	Femoral artery
SRT	T-49410	Femoral vein
SRT	T-48820	Gastric vein
SRT	T-47490	Genicular artery
SRT	T-48420	Great cardiac vein
SRT	T-46420	Hepatic artery
SRT	T-48720	Hepatic vein
SRT	T-4942A	Hunterian perforating vein

SRT	T-46700	Iliac artery
SRT	T-48470	Inferior cardiac vein
SRT	T-48540	Inferior left pulmonary vein
SRT	T-46520	Inferior mesenteric artery
SRT	T-48520	Inferior right pulmonary vein
SRT	T-48710	Inferior vena cava
SRT	T-46010	Innominate artery
SRT	T-48620	Innominate vein
SRT	T-45300	Internal carotid artery
SRT	T-48170	Internal jugular vein
SRT	T-46740	Internal iliac artey
SRT	T-46200	Internal mammary artery
SRT	D4-31052	Juxtaposed atrial appendage
SRT	T-45410	Lacrimal artery
SRT	T-45416	Lacrimal artery of right eye
SRT	T-32300	Left atrium
SRT	T-32310	Left auricular appendage
SRT	T-47420	Left femoral artery
SRT	T-44400	Left pulmonary artery
SRT	T-32600	Left ventricle
SRT	T-32640	Left ventricle inflow
SRT	D4-31022	Left ventricle outflow chamber
SRT	T-32650	Left ventricle outflow tract
SRT	T-45230	Lingual artery
SRT	T-46960	Lumbar artery
SRT	T-46500	Mesenteric artery
SRT	T-4884A	Mesenteric vein
SRT	T-45250	Occipital artery
SRT	T-48214	Occipital vein
SRT	T-45400	Ophthalmic artery
SRT	D4-32012	Patent ductus arteriosus
SRT	T-47630	Peroneal artery
SRT	T-47500	Popliteal artery
SRT	T-48810	Portal vein
SRT	T-45320	Posterior communication artery
SRT	T-49535	Posterior medial tributary
SRT	T-47600	Posterior tibial artery
SRT	T-F7001	Primitive aorta
SRT	T-F7040	Primitive pulmonary artery
SRT	T-44000	Pulmonary artery

SRT	D4-33142	Pulmonary artery conduit
SRT	T-32190	Pulmonary chamber of cor triatriatum
SRT	T-48500	Pulmonary vein
SRT	D4-33512	Pulmonary vein confluence
SRT	D4-33514	Pulmonary venous atrium
SRT	T-47300	Radial artery
SRT	T-46600	Renal artery
SRT	T-48740	Renal vein
SRT	T-32200	Right atrium
SRT	T-32210	Right auricular appendage
SRT	T-47410	Right femoral artery
SRT	T-44200	Right pulmonary artery
SRT	T-32500	Right ventricle
SRT	T-32540	Right ventricle inflow
SRT	D4-31032	Right ventricle outflow chamber
SRT	T-32550	Right ventricle outflow tract
SRT	T-D930A	Saphenofemoral junction
SRT	T-49530	Saphenous vein
SRT	T-46460	Splenic artery
SRT	T-48890	Splenic vein
SRT	T-46100	Subclavian artery
SRT	T-48330	Subclavian vein
SRT	T-45270	Superficial temporal artery
SRT	T-48530	Superior left pulmonary vein
SRT	T-46510	Superior mesenteric artery
SRT	T-48510	Superior right pulmonary vein
SRT	T-45210	Superior thyroid artery
SRT	T-48610	Superior vena cava
SRT	T-44007	Systemic collateral artery to lung
SRT	D4-33516	Systemic venous atrium
SRT	T-42070	Thoracic aorta
SRT	D4-31400	Truncus arteriosus communis
SRT	T-46400	Truncus coeliacus
SRT	T-47200	Ulnar artery
SRT	T-F1810	Umbilical artery
SRT	T-48817	Umbilical vein
SRT	T-48000	Vein
SRT	T-48003	Venous network
SRT	T-45700	Vertebral artery

CID 3011 Electrophysiology Anatomic Locations

Context ID 3011
Electrophysiology Anatomic Locations
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	T-32850	Accessory atrioventricular bundle
SRT	T-32602	Apex of left ventricle
SRT	T-32502	Apex of right ventricle
SRT	T-32830	Atrioventricular bundle
SRT	T-32820	Atrioventricular node
SRT	T-32400	Common ventricle
SRT	T-48410	Coronary sinus
SRT	T-39010	Epicardium
SRT	T-48420	Great cardiac vein
SRT	G-DE02	High right atrium
SRT	T-48540	Inferior left pulmonary vein
SRT	T-48520	Inferior right pulmonary vein
SRT	G-DE04	Lateral high right atrium
SRT	T-32833	Left anterior division of left branch of left atrioventricular bundle
SRT	T-32300	Left Atrium
SRT	T-32310	Left auricular appendage
SRT	T-32832	Left branch of atrioventricular bundle
SRT	T-32834	Left posterior division of left branch of left atrioventricular bundle
SRT	T-32600	Left ventricle
SRT	T-32640	Left ventricle inflow
SRT	T-32650	Left ventricle outflow tract
SRT	G-DE08	Low right atrium
SRT	G-DE06	Mid right atrium
SRT	T-48430	Middle cardiac vein
SRT	T-35310	Mitral ring
SRT	T-48411	Ostium of coronary sinus
SRT	T-48500	Pulmonary vein
SRT	T-35210	Pulmonic ring
SRT	T-32840	Purkinje fibers
SRT	T-35120	Right atrioventricular ostium
SRT	T-32200	Right Atrium
SRT	T-32210	Right auricular appendage
SRT	T-32831	Right branch of Atrioventricular bundle
SRT	T-32500	Right ventricle

SRT	T-32540	Right ventricle inflow
SRT	T-32550	Right ventricle outflow tract
SRT	T-32810	Sino-atrial node
SRT	T-48530	Superior left pulmonary vein
SRT	T-48510	Superior right pulmonary vein
SRT	T-32202	Tendon of Todaro
SRT	T-35110	Tricuspid ring

CID 3014 Coronary Artery Segments

Context ID 3014
Coronary Artery Segments
Type: Extensible Version: 20020904

Coding Scheme	Coding Scheme Version	Code Value	Code Meaning	SNOMED (SRT) Equivalent
BARI	1992	15	1st Diagonal Coronary Artery	T-43117
BARI	1992	24	1st Left Posterolateral Coronary Artery	T-4312B
BARI	1992	20	1st Marginal Coronary Artery	T-43128
BARI	1992	6	1st Right posterolateral Coronary Artery	T-43213
BARI	1992	17	1st Septal Coronary Artery	T-43002
BARI	1992	16	2nd Diagonal Coronary Artery	T-43118
BARI	1992	25	2nd Left Posterolateral Coronary Artery	T-4312C
BARI	1992	21	2nd Marginal Coronary Artery	T-43129
BARI	1992	7	2nd Right posterolateral Coronary Artery	T-43214
BARI	1992	29	3rd diagonal Coronary Artery	T-43119
BARI	1992	26	3rd Left Posterolateral Coronary Artery	T-4312D
BARI	1992	22	3rd Marginal Coronary Artery	T-4312A
BARI	1992	8	3rd Right posterolateral Coronary Artery	T-43215
BARI	1992	10	Acute Marginal Coronary Artery	
BARI	1992	23	AV groove continuation of Circumflex Artery	T-43124
BARI	1992	19A	Distal Circumflex Coronary Artery	T-43122
BARI	1992	14	Distal Left Anterior Descending Coronary Artery	T-43112
BARI	1992	3	Distal Right Coronary Artery	T-43202
BARI	1992	15A	Lateral 1st Diagonal Coronary Artery	
BARI	1992	20A	Lateral 1st Marginal Coronary Artery	
BARI	1992	16A	Lateral 2nd Diagonal Coronary Artery	
BARI	1992	21A	Lateral 2nd Marginal Coronary Artery	
BARI	1992	29A	Lateral 3rd Diagonal Coronary Artery	
BARI	1992	22A	Lateral 3rd Marginal Coronary Artery	
BARI	1992	28A	Lateral Ramus	
BARI	1992	11	Left Main Coronary Artery	T-43107

BARI	1992	11A	Left Main Coronary Artery Ostium	T-43105
BARI	1992	27	Left Posterior Descending Artery	T-43126
BARI	1992	19	Mid Circumflex Coronary Artery	T-43127
BARI	1992	13	Mid Left Anterior Descending Coronary Artery	T-43115
BARI	1992	2	Mid Right Coronary Artery	
BARI	1992	4	Posterior Descending Right Coronary Artery	T-43210
BARI	1992	9	Posterior descending septal perforators	
BARI	1992	18	Proximal Circumflex Coronary Artery	T-43121
BARI	1992	12	Proximal Left Anterior Descending Coronary Artery	T-43111
BARI	1992	1	Proximal Right Coronary Artery	T-43201
BARI	1992	28	Ramus	
BARI	1992	1A	Right Coronary Artery Ostium	T-43205
BARI	1992	5	Right posterior AV Coronary Artery	

CID 3015 Coronary Arteries

Context ID 3015
Coronary Arteries
Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
Include CONTEXT ID 3014 Coronary Artery Segments		
SRT	T-4311A	Left Anterior Descending Coronary Artery
SRT	T-43203	Right Coronary Artery
SRT	T-43120	Circumflex Coronary Artery
SRT	T-43125	Left Posterolateral Circumflex Coronary Artery
SRT	T-4312E	Left Posterior Descending Circumflex Coronary Artery

CID 3016 Major Coronary Arteries

Context ID 3016
Major Coronary Arteries
Type: Non-Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-4311A	Left Anterior Descending Coronary Artery
SRT	T-43203	Right Coronary Artery
SRT	T-43120	Circumflex Coronary Artery
SRT	T-43107	Left Main Coronary Artery

CID 3019 Cardiovascular Anatomic Location Modifiers

Context ID 3019
Cardiovascular Anatomic Location Modifiers

Type: Extensible Version: 20030327

Coding Scheme	Code Value	Code Meaning
SRT	G-A105	Anterior
SRT	G-D873	Arterial graft to cited segment
SRT	GA110	Central
SRT	G-A119	Distal
SRT	G-D870	Graft to cited segment, body
SRT	G-D872	Graft to cited segment, distal anastomosis
SRT	G-D871	Graft to cited segment, proximal anastomosis
SRT	G-A115	Inferior
SRT	G-A104	Lateral
SRT	G-A101	Left
SRT	T-3215A	Ostium
SRT	G-A106	Posterior
SRT	G-A118	Proximal
SRT	G-A100	Right
SRT	G-A116	Superior
SRT	G-D874	Venous graft to cited segment
SRT	T-40003	Entire Vessel
DCM	122101	Aneurysm on cited vessel
DCM	122102	Graft to cited segment, proximal section
DCM	122103	Graft to cited segment, mid section
DCM	122104	Graft to cited segment, distal section

CID 3082 Cardiology Units of Measurement

Context ID 3082
Cardiology Units of Measurement

Type: Extensible Version: 20060613

Coding Scheme	Coding Scheme Version	Code Value	Code Meaning
UCUM	1.4	dB(A)	A scale of loudness
UCUM	1.4	[arb'U]	arbitrary unit
UCUM	1.4	cm	centimeter
UCUM	1.4	cm/s	centimeter/second
UCUM	1.4	d	day
UCUM	1.4	dB	decibel
UCUM	1.4	Cel	degrees Celsius
UCUM	1.4	{H.B.}/min	Heart beat per minute

UCUM	1.4	Hz	Herz
UCUM	1.4	h	hour
UCUM	1.4	J	Joule
UCUM	1.4	kHz	kiloHerz
UCUM	1.4	kOhm	kiloOhm
UCUM	1.4	km/h	kilometer per hour
UCUM	1.4	kPa	kiloPascal
UCUM	1.4	l/min	liter per minute
UCUM	1.4	MHz	megaHerz
UCUM	1.5	[MET]	Metabolic equivalent
UCUM	1.4	uV	microvolt
UCUM	1.4	[mi_i]/h	mile per hour
UCUM	1.4	mm	millimeter
UCUM	1.4	ml/min	milliliter per minute
UCUM	1.4	ml/s	milliliter per second
UCUM	1.4	mm[Hg]	millimeter of mercury
UCUM	1.4	mV	millivolt
UCUM	1.4	min	minute
UCUM	1.4	mm/s	mm/s
UCUM	1.4	%	percent
UCUM	1.4	s	second
UCUM	1.4	mm2	square millimeter
UCUM	1.4	1	unary
UCUM	1.4	V	volt
UCUM	1.4	W	Watt

CID 3083 Units of Radioactivity

Context ID 3083
Units of Radioactivity
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
UCUM	Bq	becquerel
UCUM	MBq	megabecquerel
UCUM	mCi	millicurie

CID 3090 Time Synchronization Channel Types

Context ID 3090
Time Synchronization Channel Types
Type: Extensible Version: 20020904

Coding	Code Value	Code Meaning

Scheme		
DCM	109001	Digital timecode (NOS)
DCM	109002	ECG-based gating signal, processed
DCM	109003	IRIG-B timecode
DCM	109004	X-ray Fluoroscopy On Signal
DCM	109005	X-ray On Trigger

CID 3101 Cardiac Procedural State Values

Context ID 3101
Cardiac Procedural State Values
Type: Extensible Version: 20091021

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01604	Resting State
SRT	F-05019	Cardiac Stress State
DCM	109092	Reinjection State
DCM	109093	Redistribution State
DCM	109094	Delayed Redistribution State

CID 3102 Rest-Stress

Context ID 3102
Rest-Stress
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-01604	Resting State
DCM	109091	Cardiac Stress State

CID 3106 PET Cardiology Protocols

Context ID 3106
PET Cardiology Protocols
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122791	PET Myocardial Perfusion, Rest only
DCM	122792	PET Myocardial Perfusion, Stress only
DCM	122793	PET Myocardial Perfusion, Rest and Stress

DCM	122795	PET Myocardial Viability, Rest only
DCM	122796	PET Myocardial Viability, Stress only
DCM	122797	PET Myocardial Viability, Rest and Stress

CID 3107 PET Cardiology Radiopharmaceuticals

Context ID 3107
PET Cardiology Radiopharmaceuticals
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	C-B1031	Fluorodeoxyglucose F^18^
SRT	C-107A1	^13^Nitrogen
SRT	C-159A2	^82^Rubidium

CID 3108 NM/PET Procedures

Context ID 3108
NM/PET Procedures
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	P5-D30F8	Nuclear medicine cardiovascular study
SRT	P5-0A006	PET heart study

CID 3110 Nuclear Cardiology Protocols

Context ID 3110
Nuclear Cardiology Protocols
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	P5-D300B	Stress thallium procedure
DCM	122781	Rest thallium/stress technetium procedure
DCM	122782	Rest technetium/stress technetium 1 day procedure
DCM	122783	Rest technetium/stress technetium 2 day procedure
DCM	122784	Stress technetium/rest technetium 1 day procedure
DCM	122785	NM Myocardial Viability procedure

CID 3111 Nuclear Cardiology Radiopharmaceuticals

Context ID 3111
Nuclear Cardiology Radiopharmaceuticals
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	C-B1130	Thallium-201
SRT	C-B10A2	Tc-99m sestamibi
SRT	C-B10A4	Tc-99m tetrofosmin

CID 3112 Attenuation Correction

Context ID 3112
Attenuation Correction
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122726	Algorithmic Attenuation Correction
DCM	122727	NM Transmission Attenuation Correction
DCM	122728	CT–based Attenuation Correction
DCM	122729	No Attenuation Correction

CID 3113 Types of Perfusion Defects

Context ID 3113
Types of Perfusion Defects
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-3014D	Reversible myocardial perfusion defect
SRT	F-3014F	Fixed myocardial perfusion defect
SRT	F-3014E	Partially Reversible myocardial perfusion defect
DCM	122748	False Positive defect finding

CID 3114 Study Quality

Context ID 3114
Study Quality
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122740	Excellent image quality
DCM	122741	Good image quality
DCM	122742	Poor image quality
DCM	111235	Unusable — Quality renders image unusable

CID 3115 Stress Imaging Quality Issues

Context ID 3115
Stress Imaging Quality Issues
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	111210	Motion blur
DCM	122743	Body habitus attentuation
DCM	122744	Breast attenuation
DCM	122745	Diaphragmatic attenuation
SRT	F-04FD3	Subdiaphragmatic uptake

CID 3116 NM Extracardiac Findings

Context ID 3116
NM Extracardiac Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-04FA0	Normal extracardiac uptake
SRT	F-04FB8	Increased lung uptake
SRT	F-04FE3	Abnormal extracardiac uptake

CID 3117 Attenuation Correction Methods

Context ID 3117
Attenuation Correction Methods
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122720	OSEM algorithm
DCM	122721	Chang method

CID 3118 Level of Risk

Context ID 3118
Level of Risk
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-4044	Normal risk
SRT	G-4041	Low risk
SRT	G-4045	Low to moderate risk
SRT	G-4042	Moderate risk
SRT	G-4046	Moderate to high risk
SRT	G-4043	High risk
SRT	G-A648	Uncertain risk

CID 3119 LV Function

Context ID 3119
LV Function
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A460	Normal
SRT	F-300FA	Impaired left ventricular function

CID 3120 Perfusion Findings

Context ID 3120
Perfusion Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-30172	Myocardial perfusion normal
SRT	G-A466	Equivocal
SRT	R-42037	Abnormal

CID 3121 Perfusion Morphology

Context ID 3121
Perfusion Morphology
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-1070D	Myocardial ischemia
SRT	D3-15000	Myocardial Infarction
SRT	D3-10711	Mixed Ischemia and Infarction

CID 3122 Ventricular Enlargement

Context ID 3122
Ventricular Enlargement
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00343	Normal size cardiac chamber
SRT	R-0032A	Mildly enlarged cardiac chamber
SRT	R-00331	Moderately enlarged cardiac chamber
SRT	R-00316	Markedly enlarged cardiac chamber

CID 3200 Stress Test Procedure

Context ID 3200
Stress Test Procedure

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	P0-006E4	Exercise stress test
SRT	P2-31107	Pharmacologic stress test
SRT	P2-31011	Pharmacologic and exercise stress test
SRT	P2-3110B	Paced stress test

CID 3201 Indications for Stress Test

Context ID 3201
Indications for Stress Test

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-37000	Chest Pain
SRT	R-413C5	Pre-operative
SRT	D3-13040	Coronary Artery Disease
SRT	D3-16000	Heart failure
SRT	F-03C97	Heart disease risk factors
SRT	F-201B3	Dyspnea
SRT	R-00357	Post PTCA
SRT	G-03A5	History of CABG
SRT	F-00103	Abnormal exercise tolerance test
SRT	F-38002	Abnormal ECG
SRT	D3-30000	Arrhythmia
SRT	D3-13012	Angina pectoris
SRT	D3-02000	Hypertension
SRT	F-37150	Palpitations
SRT	D3-31290	Supraventricular tachycardia
SRT	D3-00006	Syncope
SRT	G-03AA	History of Myocardial Infarction
SRT	D3-33120	Left bundle branch block
SRT	D3-10800	Valvular heart disease
SRT	P7-00044	Occupational requirement

CID 3202 Chest Pain

Context ID 3202
Chest Pain

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-13020	Stable Angina
SRT	D3-12700	Unstable Angina
SRT	R-0038F	Atypical Angina
SRT	F-37015	Noncardiac Chest Pain
SRT	F-A265A	Chest pain not present
SRT	D3-13037	Typical Angina
DCM	122799	Anginal Equivalent

CID 3203 Exerciser Device

Context ID 3203
Exerciser Device

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-17230	Bicycle ergometer
SRT	A-17222	Treadmill
SRT	A-1002A	Arm ergometer

CID 3204 Stress Agents

Context ID 3204
Stress Agents

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	Trade Name (informative)
SRT	C-81590	Dipyridamole	Persantine
SRT	C-68030	Dobutamine	
SRT	C-80349	Adenosine	
SRT	C-67770	Atropine	
SRT	C-80012	Adenosine A2 receptor agonist	

CID 3205 Indications for Pharmacological Stress Test

Context ID 3205
Indications for Pharmacological Stress Test
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-33120	Left bundle branch block
SRT	R-0039E	Patient has pacemaker
SRT	DA-26000	Paralytic syndrome
SRT	F-A4580	Ataxia or incoordination
SRT	D3-8005B	Peripheral vascular disease
SRT	D2-50000	Pulmonary disease
SRT	F-18002	Gait problem
SRT	F-A0846	Transient limb paralysis
SRT	F-01380	Asthenia (debility)
SRT	F-029F7	Cachexia
SRT	DD-13000	Fracture of lower limb
SRT	DD-33500	Open wound of lower limb
SRT	G-02BD	Lower limb amputation
SRT	G-0202	Request by Physician
SRT	S-20570	Dependence on enabling machine or device
SRT	G-044D	Recent Myocardial infarction
SRT	F-33019	Cannot reach target heart rate
DCM	122764	Patient weight exceeds equipment limit

CID 3206 Non-invasive Cardiac Imaging Procedures

Context ID 3206
Non-invasive Cardiac Imaging Procedures
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	P5-D30F8	Nuclear medicine cardiovascular study
SRT	P5-D3304	Cardiac blood pool imaging (nuclear)
SRT	P5-0A006	PET heart study
SRT	P5-0A100	SPECT
SRT	P5-B3000	Echocardiography
SRT	P5-09011	Cardiac MRI

CID 3207 Stress Test Procedure Phases

Context ID 3207
Stress Test Procedure Phases

Type: Extensible Version: 20081031

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-01604	Resting State
SRT	F-05019	Cardiac stress state
SRT	F-05028	Peak cardiac stress state
SRT	F-05018	Cardiac stress recovery state
SRT	F-25040	Hyperventilation

CID 3208 Summary Codes Exercise ECG

Context ID 3208
Summary Codes Exercise ECG
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-00101	Exercise ECG normal
SRT	F-00103	Exercise ECG abnormal
SRT	F-201B6	Exercise ECG equivocal
SRT	R-4135B	Not performed

CID 3209 Summary Codes Stress Imaging

Context ID 3209
Summary Codes Stress Imaging
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-04AB2	Imaging result normal
SRT	F-04AB3	Imaging result abnormal
SRT	F-04A13	Imaging result equivocal
SRT	R-4135B	Not performed

CID 3210 Speed of Response

Context ID 3210
Speed of Response
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A460	normal
SRT	R-40AA8	accentuated
SRT	R-40AA7	blunted

CID 3211 BP Response

Context ID 3211
BP Response
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A460	normal
SRT	D3-04000	Hypotensive
SRT	D3-02000	Hypertensive
SRT	R-40AA7	blunted

CID 3212 Treadmill Speed

Context ID 3212
Treadmill Speed
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
UCUM	km/h	km/h
UCUM	[mi_i]/h	mph

CID 3213 Stress Hemodynamic Findings

Context ID 3213
Stress Hemodynamic Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-0400A	Exertional hypotension
SRT	D3-0200B	Exertional hypertension
SRT	F-380B2	Chronotropic incompetence

CID 3215 Perfusion Finding Method

Context ID 3215
Perfusion Finding Method
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-41D8B	ECG analysis
SRT	P3-41910	Image analysis

CID 3217 Comparison Finding

Context ID 3217
Comparison Finding
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122775	Agreement with prior findings
DCM	122776	Disagreement with prior findings

CID 3220 Stress Symptoms

Context ID 3220
Stress Symptoms
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-201B3	Dyspnea
SRT	F-18010	Claudication
SRT	D3-00006	Syncope
SRT	D0-30017	Flushing
SRT	F-52760	Nausea
SRT	F-06017	Dizziness
SRT	F-01360	Fatigue
SRT	F-37000	Chest pain
SRT	F-37006	Chest discomfort
Include CID 3202 Chest pain		

CID 3221 Stress Test Termination Reasons

Context ID 3221
Stress Test Termination Reasons
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-37000	Chest pain
SRT	F-38002	Abnormal ECG
SRT	F-01360	Fatigue
SRT	F-201B3	Dyspnea
SRT	R-214DD	Patient Refused exercise test
SRT	F-021E1	Target Heart Rate Achieved
SRT	D3-04001	Hypotensive episode
SRT	D3-02004	Hypertensive episode
SRT	D3-30000	Arrhythmia
SRT	F-18010	Claudication
SRT	R-4038D	End of Protocol
SRT	D3-00006	Syncope

CID 3227 QTc Measurements

This Context Group include both global and per lead corrected QT measurements specified in the IEEE MDC nomenclature. Note that the MDC code for the per lead measurement is a base code for post-coordination with separately encoded lead identifiers. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in the same context as this Context Group.

Context ID 3227
QTc Measurements
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	2:16164	QTc interval global	MDC_ECG_TIME_PD_QTC
MDC	2:8448	QTc interval per lead	MDC_ECG_TIME_PD_QT_CORR_<lead

CID 3228 ECG Timing Measurements

This Context Group include both global and per lead ECG measurements specified in the IEEE MDC nomenclature. Note that the MDC codes for “per lead” measurements are base codes for post-coordination with separately encoded lead identifiers. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in the same context as this Context Group.

Context ID 3228
ECG Timing Measurements
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	2:15872	PR interval global	MDC_ECG_TIME_PD_PR
MDC	2:16160	QT interval global	MDC_ECG_TIME_PD_QT
MDC	2:16156	QRS duration global	MDC_ECG_TIME_PD_QRS
MDC	2:16184	P duration global	MDC_ECG_TIME_PD_P
MDC	2:16140	PP interval global	MDC_ECG_TIME_PD_PP
MDC	2:16168	RR interval global	MDC_ECG_TIME_PD_RR
MDC	2:7168	PR interval per lead	MDC_ECG_TIME_PD_PR_<lead>
MDC	2:8192	QT interval per lead	MDC_ECG_TIME_PD_QT_<lead>
MDC	2:7936	QRS duration per lead	MDC_ECG_TIME_PD_QRS_<lead>
MDC	2:6656	P duration per lead	MDC_ECG_TIME_PD_P_<lead>
MDC	2:32768	PP interval per lead	MDC_ECG_TIME_PD_PP_<lead>
MDC	2:33024	RR interval per lead	MDC_ECG_TIME_PD_RR_<lead>

CID 3229 ECG Axis Measurements

Context ID 3229
ECG Axis Measurements
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	2:16132	QRS axis	MDC_ECG_ANGLE_QRS_FRONT
MDC	2:16128	P Axis	MDC_ECG_ANGLE_P_FRONT
MDC	2:16136	T axis	MDC_ECG_ANGLE_T_FRONT

CID 3230 ECG Findings

Context ID 3230
ECG Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
SRT	F-000B7	Normal	MDC_ECG_BEAT_NORMAL
SRT	D3-30A03	Atrial premature contraction	MDC_ECG_BEAT_ATR_P_C
SRT	D3-31740	Ventricular premature contraction	MDC_ECG_BEAT_V_P_C
SRT	D3-31520	Atrial Fibrillation	MDC_ECG_RHY_ATR_FIB
SRT	D3-31290	Supraventricular Tachycardia	MDC_ECG_RHY_SV_TACHY
SRT	D3-31710	Non-sustained ventricular tachycardia	MDC_ECG_RHY_V_TACHY_PAROX
SRT	D3-31700	Ventricular tachycardia	MDC_ECG_RHY_V_TACHY
SRT	D3-31720	Ventricular fibrillation	MDC_ECG_RHY_V_FIB
SRT	D3-33000	Intraventricular conduction disturbance	MDC_ECG_BEAT_BLK_IVCD
SRT	D3-33120	Left bundle branch block	MDC_ECG_BEAT_LBB_BLK_COMP
SRT	D3-33110	Right bundle branch block	MDC_ECG_BEAT_RBB_BLK_COMP
SRT	D3-33122	Incomplete Left bundle branch block	MDC_ECG_BEAT_LBB_BLK_INCOMP
SRT	D3-33112	Incomplete Right bundle branch block	MDC_ECG_BEAT_RBB_BLK_INCOMP
SRT	D3-33200	Bifascicular Block	MDC_ECG_BEAT_BLK_BIFASC
SRT	D3-33140	Left anterior fascicular block	MDC_ECG_BEAT_BLK_ANT_L_HEMI
SRT	D3-33150	Left posterior fascicular block	MDC_ECG_BEAT_BLK_POS_L_HEMI
SRT	D3-30001	First degree Atrioventricular block	MDC_ECG_RHY_AV_HEART_BLK_DEG_1
SRT	R-F81AE	Second degree Atrioventricular block	MDC_ECG_RHY_AV_HEART_BLK_DEG_2
SRT	D3-32102	Third degree Atrioventricular block	MDC_ECG_RHY_AV_HEART_BLK_DEG_3
SRT	D3-31351	Ventricular pre-excitation	MDC_ECG_BEAT_PREX
SRT	F-38278	ST depression	
SRT	F-38277	ST elevation	
SRT	F-380B3	Early repolarization	
SRT	F-38794	Nonspecific ST-T abnormality	

SRT	F-38793	Secondary ST-T abnormality	

CID 3231 ST Segment Findings

Context ID 3231
ST Segment Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-000C3	ST Interval Normal
DCM	122750	Non-diagnostic – low heart rate
DCM	122751	Non-diagnostic – resting ST abnormalities
DCM	122752	Non-diagnostic – ventricular pacing or LBBB
SRT	G-A205	Weakly positive
SRT	G-A200	Positive
DCM	122755	Strongly positive
DCM	122756	Strongly positive – ST elevation

CID 3232 ST Segment Location

Context ID 3232
ST Segment Location
Type: Extensible Version: 20091021

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-3260A	Left ventricle anterior segment
SRT	T-3260C	Left ventricle inferior segment
SRT	T-3260D	Left ventricle lateral segment
SRT	T-3260B	Left ventricle septal segment
SRT	T-32602	Left ventricle apical segment

CID 3233 ST Segment Morphology

Context ID 3233
ST Segment Morphology
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122757	ST Depression – Horizontal
DCM	122758	ST Depression – Upsloping
DCM	122759	ST Depression – Downsloping

SRT	F-38277	ST Elevation
SRT	F-38278	ST Depression

CID 3234 Ectopic Beat Morphology

Context ID 3234
Ectopic Beat Morphology
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-31700	Ventricular tachycardia
SRT	F-33750	Ventricular bigeminy
SRT	D3-31744	Multifocal PVCs
SRT	D3-31742	Unifocal PVCs
SRT	D3-31704	Ventricular tachycardia, polymorphic

CID 3235 Perfusion Comparison Findings

Context ID 3235
Perfusion Comparison Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-4075C	No change
SRT	R-215D9	New ischemia
SRT	R-215DE	Less ischemia
SRT	R-215D5	Resolution of ischemia
SRT	R-215E1	More ischemia
SRT	R-215E0	New infarction

CID 3236 Tolerance Comparison Findings

Context ID 3236
Tolerance Comparison Findings
Type: Extensible Version: 20080827

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-4075C	No change
SRT	F-00454	Decreased tolerance

SRT	F-00453	Increased tolerance

CID 3237 Wall Motion Comparison Findings

Context ID 3237
Wall Motion Comparison Findings
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-4075C	No change
SRT	R-215DC	New wall motion abnormality
SRT	R-215D6	Improvement of wall motion

CID 3238 Stress Scoring Scales

Context ID 3238
Stress Scoring Scales
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-E002	Duke treadmill score
DCM	122770	Ratio of achieved to predicted maximal oxygen
DCM	122771	Ratio of achieved to predicted functional capacity
DCM	122772	Aerobic index
DCM	122773	ST/HR Index

CID 3239 Perceived Exertion Scales

Context ID 3239
Perceived Exertion Scales
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
DCM	122734	Borg RPE Scale
DCM	122735	Borg CR10 Scale

CID 3240 Electrophysiology Measurement Functions and Techniques

Context ID 3240
Electrophysiology Measurement Functions and Techniques
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
DCM	109006	Differential signal
DCM	109007	His bundle electrogram
DCM	109008	Monopole signal
DCM	109009	Pacing (electrical) stimulus, voltage
DCM	109010	Radio frequency ablation, power
DCM	109011	Voltage measurement by basket catheter
DCM	109012	Voltage measurement by mapping catheter
DCM	109013	Voltage measurement, NOS

CID 3241 Hemodynamic Measurement Techniques

Context ID 3241
Hemodynamic Measurement Techniques
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	PA-50038	Averaged hemodynamic measurement method
SRT	PA-50035	Composite hemodynamic measurement method
SRT	PA-50034	Computed hemodynamic measurement method
SRT	PA-5003B	Conductance catheter method
SRT	PA-5003C	Doppler catheter method
SRT	PA-50031	Dual catheter method
SRT	PA-50039	Fluid filled catheter method
SRT	PA-5003D	Fiberoptic catheter method
SRT	PA-5003E	Hall catheter method
SRT	PA-50033	Pullback method
SRT	PA-50032	Pulmonary capillary wedge method
SRT	PA-50036	Static catheter method
SRT	PA-5003F	Thermistor catheter method
SRT	PA-5003A	Tip manometer method
SRT	PA-50037	Wedge method

CID 3250 Catheterization Procedure Phase

Context ID 3250
Catheterization Procedure Phase
Type: Extensible Version: 20030327

Coding Scheme	Code Value	Code Meaning
SRT	G-7299	Cardiac catheterization bailout phase
SRT	G-7293	Cardiac catheterization baseline phase
SRT	G-7294	Cardiac catheterization image acquisition phase
SRT	G-7295	Cardiac catheterization intervention phase
SRT	G-729B	Cardiac catheterization post contrast phase
SRT	G-7298	Cardiac catheterization post-intervention phase
SRT	G-7296	Cardiac catheterization pre-intervention phase
SRT	G-929D	Cardiac catheterization test/challenging phase
SRT	G-7297	Cardiac catheterization therapy phase
SRT	P1-3160A	Catheterization of both left and right heart with graft
SRT	P1-3160B	Catheterization of both left and right heart without graft
SRT	P1-31604	Catheterization of left heart
SRT	P1-31602	Catheterization of right heart
SRT	P1-31612	Transseptal catheterization
SRT	P2-71317	Drug Infusion Challenge
SRT	P2-71310	Exercise challenge
SRT	F-01604	Resting State

CID 3254 Electrophysiology Procedure Phase

Context ID 3254
Electrophysiology Procedure Phase
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	G-729D	Atrial Effective Refractory Period, evaluation of
SRT	G-7304	Carotid Sinus Massage procedure phase
SRT	G-7306	Electrophysiology Mapping phase
SRT	G-729A	Electrophysiology procedure baseline phase
SRT	G-7408	Post-ablation phase
SRT	G-7305	Post-defibrillation procedure phase
SRT	G-729F	Radiofrequency Ablation procedure phase
SRT	G-729C	Sinus Node Recovery Time, evaluation of
SRT	G-729E	Ventricular Effective Refractory Period, evaluation of

CID 3261 Stress Protocols

Context ID 3261
Stress Protocols

Type: Extensible Version: 20081027

Coding Scheme	Code Value	Code Meaning
SRT	P2-7131C	Balke protocol
SRT	P2-7131A	Bruce protocol
SRT	P2-7131D	Ellestad protocol
SRT	P2-7131B	Modified Bruce protocol
SRT	P2-713A1	Modified Naughton protocol
SRT	P2-713A0	Naughton protocol
SRT	P2-7131F	Pepper protocol
SRT	P2-7131E	Ramp protocol
SRT	P2-31010	Exercise stress ECG test
SRT	P2-31102	Stress test using Bicycle Ergometer
SRT	P2-31107	Pharmacologic Stress protocol
SRT	P2-3110A	Dipyridamole Stress protocol
SRT	P2-31109	Adenosine Stress protocol
SRT	P2-31108	Dobutamine Stress protocol
SRT	P2-31011	Pharmacologic and exercise stress test
SRT	P2-3110B	Stress test using cardiac pacing

CID 3262 ECG Patient State Values

Context ID 3262
ECG Patient State Values

Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	F-01602	Baseline state
SRT	F-01606	Exercise state
SRT	F-01608	Post-exercise state
SRT	F-01604	Resting state
SRT	F-10340	Supine body position

CID 3263 Electrode Placement Values

This Context Group comprises the ECG lead placement system identifiers of ISO/IEEE 11073-10102. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Context ID 3263
Electrode Placement Values

Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	10:11264	Unspecified 12-lead system	MDC_ECG_LDSYS_12LD_UNSPECIFIED
MDC	10:11265	Standard 12-lead positions, electrodes placed individually	MDC_ECG_LDSYS_12LD_STD
MDC	10:11266	Mason-Likar lead positions, electrodes placed individually	MDC_ECG_LDSYS_12LD_MASON_LIKAR
MDC	10:11267	Mason-Likar lead positions, V1-V6 in electrode pad	MDC_ECG_LDSYS_12LD_VPAD
MDC	10:11268	12-lead electrode pad	MDC_ECG_LDSYS_12LD_PAD
MDC	10:11269	12-lead derived from Frank XYZ leads	MDC_ECG_LDSYS_12LD_FROM_FRANK
MDC	10:11270	12-lead derived from non-standard leads	MDC_ECG_LDSYS_12LD_NON_STANDARD
MDC	10:11271	12-lead for bicycle exercise testing, limb leads on back of patient	MDC_ECG_LDSYS_12LD_BICYCLE
MDC	10:11272	Standard 12-lead positions one intercostal space higher	MDC_ECG_LDSYS_12LD_RAISED_INTERCOSTAL
MDC	10:11273	Unspecified XYZ lead system	MDC_ECG_LDSYS_XYZ_UNSPECIFIED
MDC	10:11274	Frank XYZ lead system	MDC_ECG_LDSYS_XYZ_FRANK
MDC	10:11275	McFee-Parungao XYZ lead system	MDC_ECG_LDSYS_XYZ_MCFEE_PARUNAGO
MDC	10:11276	Cube XYZ lead system	MDC_ECG_LDSYS_XYZ_CUBE
MDC	10:11277	Bipolar uncorrected XYZ lead system	MDC_ECG_LDSYS_XYZ_BIPOLAR
MDC	10:11278	Pseudo-orthogonal XYZ lead system	MDC_ECG_LDSYS_XYZ_PSEUDO_ORTH
MDC	10:11279	XYZ leads derived from standard 12-lead	MDC_ECG_LDSYS_XYZ_FROM_12LD
MDC	10:11280	NEHB lead system	MDC_ECG_LDSYS_3LD_NEHB
MDC	10:11281	3-lead system, CC5-CM5-ML	MDC_ECG_LDSYS_3LD_CC5_CM5_ML
MDC	10:11282	3-lead system, CC5-CM5-CH5	MDC_ECG_LDSYS_3LD_CM5_CC5_CH5
MDC	10:11283	12-lead from Frank leads XYZ leads by Dower transformation	MDC_ECG_LDSYS_12LD_FROM_DOWER
MDC	10:11284	12-lead from EASI leads (ES, AS, AI) by Dower/EASI transformation	MDC_ECG_LDSYS_12LD_FROM_EASI
MDC	10:11285	12-lead from Limb Leads (I, II) and one or more V leads	MDC_ECG_LDSYS_12LD_FROM_LIMB

		one or more V leads	
MDC	10:11286	Standard 12-lead and XYZ	MDC_ECG_LDSYS_12LD_STD_AND_XYZ
MDC	10:11287	Standard 12-lead and NEHB	MDC_ECG_LDSYS_12LD_STD_AND_NEHB
MDC	10:11288	Standard 12-lead and CC5-CM5-ML	MDC_ECG_LDSYS_12LD_STD_AND_CC5_CM5_ML
MDC	10:11289	Standard 12-lead and CM5-CC5-CH5	MDC_ECG_LDSYS_12LD_STD_AND_CM5_CC5_CH5
MDC	10:11290	Standard 12-lead with extra leads to the right and/or left sides	MDC_ECG_LDSYS_12LD_STD_EXTD
MDC	10:11291	Standard 12-lead extended to the right by V5R, V4R, V3R	MDC_ECG_LDSYS_12LD_STD_EXTD_RIGHT
MDC	10:11292	Standard 12-lead extended to the left by V7, V8, V9	MDC_ECG_LDSYS_12LD_STD_EXTD_LEFT

Note: A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3264 XYZ Electrode Placement Values

Context ID 3264
XYZ Electrode Placement Values
Type: Extensible Version: 20020904

Coding Scheme	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.4.5-33-2-4	Bipolar uncorrected XYZ lead system
SCPECG	1.3	5.4.5-33-2-3	Cube lead system (Grishman et al, Amer Heart J 1951; 41:483).
SCPECG	1.3	5.4.5-33-2-1	Frank lead system (Frank, 1956; 13:737)
SCPECG	1.3	5.4.5-33-2-2	McFee-Parungao lead system
SCPECG	1.3	5.4.5-33-2-5	Pseudo-orthogonal XYZ lead system (as used in Holter recording)
SCPECG	1.3	5.4.5-33-2-0	Unspecified
SCPECG	1.3	5.4.5-33-2-6	XYZ leads derived from standard 12-lead ECG

CID 3271 Hemodynamic Physiological Challenges

Context ID 3271
Hemodynamic Physiological Challenges
Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning
SRT	P2-71317	Drug infusion

SRT	P2-71310	Exercise challenge
SRT	P2-71306	Handgrip
SRT	P2-71302	Head up
SRT	P2-71314	Held inspiration
SRT	P2-71316	Held ventilation
SRT	P2-71304	Leg up
SRT	P2-71308	Negative lower body pressure
SRT	P2-35000	Pacing
SRT	P2-71318	Post volume challenge
SRT	P2-71312	Vagal stimulation
SRT	F-F7102	Valsalva maneuver

CID 3335 ECG Annotations

Context ID 3335
ECG Annotations

Type: Extensible Version: 20020904

Coding Scheme	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.7.1-3	Fiducial point
SCPECG	1.3	D.4.1-J	J point
SCPECG	1.3	D.4.1-ST20	J point + 20 msec
SCPECG	1.3	D.4.1-ST60	J point + 60 msec
SCPECG	1.3	D.4.1-ST80	J point +80 msec
SCPECG	1.3	5.10.3-2	P wave end
SCPECG	1.3	5.10.3-1	P wave onset
SCPECG	1.3	D.4.1-P	P wave peak
SCPECG	1.3	5.10.1.2	Pacemaker spike, suppressed
SCPECG	1.3	D.4.1-PR	PR segment (isoelectric point)
SCPECG	1.3	D.4.1-Q	Q wave
SCPECG	1.3	5.10.3-4	QRS end
SCPECG	1.3	5.10.3-3	QRS onset
SCPECG	1.3	D.4.1-R	R wave peak
SCPECG	1.3	D.4.1-R2	R’ peak
SCPECG	1.3	D.4.1-S	S wave
SCPECG	1.3	D.4.1-S2	S’ wave
SCPECG	1.3	5.10.3-5	T wave end
SCPECG	1.3	D.4.1-STE	T wave onset
SCPECG	1.3	D.4.1-T	T wave peak
SCPECG	1.3	D.4.1-U	U wave peak

CID 3337 Hemodynamic Annotations

Context ID 3337
Hemodynamic Annotations

Type: Extensible Version: 20050322

Coding Scheme	Code Value	Code Meaning
DCM	109014	35% of thermal/dye dilution CO
DCM	109015	70% of thermal/dye dilution CO
DCM	109016	A wave peak pressure
DCM	109017	A wave pressure, average
DCM	109018	Beat detected (accepted)
DCM	109019	Beat detected (rejected)
SRT	F-00E22	Average diastolic blood pressure
SRT	F-00E1F	Minimum diastolic blood pressure
SRT	F-32011	End diastole
DCM	109023	End of expiration
DCM	109024	End of inspiration
DCM	109070	End of systole
DCM	109071	Indicator mean transit time
DCM	109025	Max dp/dt
DCM	109026	Max neg dp/dt
SRT	F-31150	Mean blood pressure
DCM	109028	Peak of thermal cardiac output bolus
DCM	109029	Start of expiration
DCM	109030	Start of inspiration
DCM	109031	Start of thermal CO
SRT	F-00E14	Average systolic blood pressure
SRT	F-00E11	Maximum systolic blood pressure
DCM	109072	Tau
DCM	109073	V max myocardial
DCM	109034	V wave peak pressure
DCM	109035	V wave pressure, average
DCM	109036	Valve close
DCM	109037	Valve open

CID 3339 Electrophysiology Annotations

Context ID 3339
Electrophysiology Annotations

Type: Extensible Version: 20020904

Coding Scheme	Code Value	Code Meaning

DCM	109038	Ablation off
DCM	109039	Ablation on
DCM	109040	HIS bundle wave
DCM	109041	P wave
DCM	109042	Q wave
DCM	109043	R wave
DCM	109044	S wave
DCM	109045	Start of atrial contraction
DCM	109046	Start of atrial contraction (subsequent)
DCM	109047	Stimulation at rate 1 interval
DCM	109048	Stimulation at rate 2 interval
DCM	109049	Stimulation at rate 3 interval
DCM	109050	Stimulation at rate 4 interval
DCM	109051	T wave
DCM	109052	V wave
DCM	109053	V wave of next beat

CID 3400 Procedure Log Titles

Context ID 3400
Procedure Log Titles
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121120	Cath Lab Procedure Log

CID 3401 Types of Log Notes

Context ID 3401
Types of Log Notes
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121171	Tech Note
DCM	121172	Nursing Note
DCM	121173	Physician Note
DCM	121174	Procedure Note
DCM	121123	Patient Status or Event

CID 3402 Patient Status and Events

Context ID 3402
Patient Status and Events
Type: Extensible Version: 20090615

Coding Scheme Designator	Code Value	Code Meaning
DCM	122001	Patient called to procedure room
DCM	122002	Patient admitted to procedure room
DCM	122003	Patient given pre-procedure instruction
DCM	122004	Patient informed consent given
DCM	122005	Patient advance directive given
DCM	122006	Nil Per Os (NPO) status confirmed
DCM	122007	Patient assisted to table
DCM	122008	Patient prepped and draped
DCM	122009	Patient connected to continuous monitoring
DCM	122010	Patient transferred to holding area
DCM	122011	Patient transferred to surgery
DCM	122012	Patient transferred to CCU
DCM	122020	Patient disoriented
DCM	122021	Patient reports nausea
DCM	122022	Patient reports discomfort
DCM	122023	Patient reports chest pain
DCM	122024	Patient reports no pain
DCM	122025	Patient alert
DCM	122026	Patient restless
DCM	122027	Patient sedated
DCM	122028	Patient asleep
DCM	122029	Patient unresponsive
DCM	122030	Patient has respiratory difficulty
DCM	122031	Patient coughed
DCM	122032	Patient disconnected from continuous monitoring
DCM	122033	Hemostasis achieved
DCM	122034	Hemostasis not achieved – oozing
DCM	122035	Hemostasis not achieved – actively bleeding
DCM	122036	Patient given post-procedure instruction
DCM	122038	Patient pronounced dead
DCM	122039	Patient transferred to morgue
DCM	122037	Patient discharged from department

CID 3403 Percutaneous Entry

Context ID 3403
Percutaneous Entry
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 3746 Percutaneous Entry		
INCLUDE CID 3747 Percutaneous Closure		

CID 3404 Staff Actions

Context ID 3404
Staff Actions
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122041	Personnel Arrived
DCM	122042	Personnel Departed
DCM	122043	Page Sent To
DCM	122044	Consultation With
DCM	122045	Office called

CID 3405 Procedure Action Values

Context ID 3405
Procedure Action Values
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P1-30350	Atherectomy
SRT	P1-30351	Atherectomy by rotary cutter
SRT	P1-30352	Atherectomy by laser
SRT	P1-30530	Selective embolization of artery
SRT	P5-31500	Percutaneous transluminal balloon angioplasty
SRT	P5-39010	Transcatheter therapy for embolization
SRT	P5-39050	Percutaneous retrieval of intravascular foreign body
SRT	P1-05550	Stent placement
SRT	P5-39015	Transcatheter deployment of detachable balloon
SRT	P5-39191	Percutaneous insertion of intravascular filter

INCLUDE CID 3250 Catheterization Procedure Phases
INCLUDE CID 3406 Non-Coronary Transcatheter Interventions
INCLUDE CID 3428 Imaging Procedures

CID 3406 Non-Coronary Transcatheter Interventions

Context ID 3406
Non-Coronary Transcatheter Interventions
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122053	Valvular Intervention
DCM	122054	Aortic Intervention
DCM	122055	Septal Defect Intervention
DCM	122056	Vascular Intervention
DCM	122057	Myocardial biopsy

CID 3407 Purpose of Reference to Object

Context ID 3407
Purpose of Reference to Object

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122072	Pre-procedure log
DCM	122073	Analysis or measurements for current procedure
DCM	122075	Prior report for current patient

CID 3408 Actions with Consumables

Context ID 3408
Actions with Consumables

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122076	Consumable taken from inventory
DCM	122077	Consumable returned to inventory
DCM	122078	Remaining consumable disposed

DCM	122079	Consumable unusable

CID 3409 Administration of Drugs/Contrast

Context ID 3409
Administration of Drugs/Contrast

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122081	Drug start
DCM	122082	Drug end
DCM	122083	Drug administered
DCM	122084	Contrast start
DCM	122085	Contrast end
DCM	122086	Contrast administered
DCM	122087	Infusate start
DCM	122088	Infusate end

CID 3410 Numeric Parameters of Drugs/Contrast

Context ID 3410
Numeric Parameters of Drugs/Contrast
Type: Extensible Version: 20070124

Coding Scheme Designator	Code Value	Code Meaning
DCM	122091	Volume administered
DCM	122092	Undiluted dose administered
DCM	122093	Concentration
DCM	122094	Rate of administration
DCM	122095	Duration of administration
DCM	122096	Volume unadministered or discarded
DCM	121382	Quantity administered
DCM	121383	Mass administered

CID 3411 Intracoronary Devices

Context ID 3411
Intracoronary Devices
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent	Trade Name (Informative)
SRT	A-26912	Percutaneous Transluminal Angioplasty Balloon	113-1	
SRT	R-002F0	Cutting Balloon Angioplasty (CBA) Device	113-2	
SRT	A-25500	Stent	113-3	
SRT	R-002FD	Directional Coronary Atherectomy (DCA) Device	113-4	
SRT	A-25610	Rotational Atherectomy Device	113-5	Rotablator™
SRT	R-0036F	Saline Thrombectomy	113-6	AngioJet™
SRT	A-26920	Transluminal Extraction Catheter (TEC)	113-7	
SRT	A-81080	Laser	113-8	
SRT	R-00312	Intravascular Ultrasound (IVUS) Device	113-9	
SRT	R-00310	Intracoronary Doppler guide wire	113-10	Flowire™
SRT	R-00311	Intracoronary pressure guide wire	113-11	
SRT	A-040ED	Brachytherapy Device		
SRT	R-00361	Radiofrequency Ablation Device		

CID 3412 Intervention Actions and Status

Context ID 3412
Intervention Actions and Status
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122301	Guidewire crossing lesion unsuccessful
DCM	122302	Guidewire crossing lesion successful
DCM	122303	Angioplasty balloon inflated
DCM	122304	Angioplasty balloon deflated
DCM	122305	Device deployed
DCM	122306	Stent re-expanded
DCM	122307	Object removed
DCM	122308	Radiation applied
DCM	122309	Radiation removed
DCM	122310	Interventional device placement unsuccessful
DCM	122311	Interventional device placed
DCM	122312	Intervention performed
DCM	122313	Interventional device withdrawn

CID 3413 Adverse Outcomes

Context ID 3413
Adverse Outcomes
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122167	Death During Catheterization
INCLUDE CID 3754 Vascular Complications		
INCLUDE CID 3755 Cath Complications		

CID 3414 Procedure Urgency

Context ID 3414
Procedure Urgency
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalents
SRT	G-D210	Elective Procedure	21-1, 78-1, 92-1
SRT	G-D216	Urgent Procedure	21-2, 78-2, 92-2
SRT	G-D209	Emergent Procedure	21-3, 78-3, 92-3
SRT	R-41C8D	Salvage Procedure	21-4, 78-4, 92-4

CID 3415 Cardiac Rhythms

Context ID 3415
Cardiac Rhythms
Type: Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning	IEEE 11073 MDC Equivalent Reference ID (informative)
MDC	10:9216	Sinus Rhythm	MDC_ECG_RHY_SINUS_RHY
MDC	10:9232	Normal Sinus Rhythm	MDC_ECG_RHY_SINUS_NORMAL_RHY
MDC	10:9248	Sinus Bradycardia	MDC_ECG_RHY_SINUS_BRADY
MDC	10:9264	Sinus Tachycardia	MDC_ECG_RHY_SINUS_TACHY
MDC	10:9280	Sinus Arrhythmia	MDC_ECG_RHY_SINUS_ARRHY
MDC	10:9296	Respiratory Sinus Arrhythmia	MDC_ECG_RHY_RESP_ARRHY
MDC	10:9312	Non-Respiratory Sinus Arrhythmia	MDC_ECG_RHY_NON_RESP_ARRHY
MDC	10:9328	Wandering Sinus Pacemaker within the sinus node	MDC_ECG_RHY_WANDP_ARRHY
MDC	10:9344	Wandering Pacemaker between the sinus node and the A-V node	MDC_ECG_RHY_WANDPAV_ARRHY
MDC	10:9360	Atrial Ectopic Rhythm	MDC_ECG_RHY_ATR_ECT_RHY

MDC	10:9376	Atrial Bigeminy	MDC_ECG_RHY_ATR_BIGEM
MDC	10:9392	Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY
MDC	10:9408	Paroxsysmal Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_PAROX
MDC	10:9424	Multifocal Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_MF
MDC	10:9440	Automatic Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_AUTO
MDC	10:9456	Atrial flutter	MDC_ECG_RHY_ATR_FLUT
MDC	10:9472	Atrial fibrillation	MDC_ECG_RHY_ATR_FIB
MDC	10:9488	Supraventricular (atrial or junctional) Ectopic Rhythm	MDC_ECG_RHY_SV_ECT_RHY
MDC	10:9504	Supraventricular Tachycardia (atrial or junctional)	MDC_ECG_RHY_SV_TACHY
MDC	10:9520	Supraventricular Paroxsysmal Tachycardia	MDC_ECG_RHY_SV_TACHY_PAROX
MDC	10:9536	AV junctional (nodal) rhythm	MDC_ECG_RHY_JUNC_RHY
MDC	10:9552	AV junctional (nodal) escape rhythm	MDC_ECG_RHY_JUNC_ESC_BEATS
MDC	10:9568	Accelerated AV junctional (nodal) rhythm	MDC_ECG_RHY_JUNC_ACCEL
MDC	10:9584	Junctional Tachycardia	MDC_ECG_RHY_JUNC_TACHY
MDC	10:9600	AV reciprocating tachycardia	MDC_ECG_RHY_AV_TACHY_RECIP
MDC	10:9616	Reentrant AV nodal tachycardia	MDC_ECG_RHY_AV_TACHY_REENTRANT
MDC	10:9632	First Degree AV Block	MDC_ECG_RHY_AV_HEART_BLK_DEG_1
MDC	10:9648	Second Degree AV Block	MDC_ECG_RHY_AV_HEART_BLK_DEG_2
MDC	10:9664	Second Degree AV Block Type I (Wenckebach, or Mobitz Type I)	MDC_ECG_RHY_AV_HEART_BLK_DEG_2_I
MDC	10:9680	Second Degree AV Block Type II (Mobitz Type II)	MDC_ECG_RHY_AV_HEART_BLK_DEG_2_II
MDC	10:9696	Third Degree AV Block (complete AV block)	MDC_ECG_RHY_AV_HEART_BLK_DEG_3
MDC	10:9712	AV Dissociation	MDC_ECG_RHY_AV_DISSOC
MDC	10:9728	AV dissociation with interference	MDC_ECG_RHY_AV_DISSOC_INT
MDC	10:9744	Isorhythmic AV dissociation	MDC_ECG_RHY_AV_DISSOC_ISO
MDC	10:9760	Complete AV dissociation	MDC_ECG_RHY_AV_DISSOC_COMP
MDC	10:9776	First Degree SA Block	MDC_ECG_RHY_SA_HEART_BLK_DEG_1
MDC	10:9792	Second Degree SA Block Type I (Wenckebach)	MDC_ECG_RHY_SA_HEART_BLK_DEG_2_I
MDC	10:9808	Second Degree SA Block Type II	MDC_ECG_RHY_SA_HEART_BLK_DEG_2_II
MDC	10:9824	Third Degree SA Block (complete SA block)	MDC_ECG_RHY_SA_HEART_BLK_DEG_3
MDC	10:9840	Ventricular rhythm	MDC_ECG_RHY_V_RHY
MDC	10:9856	Idioventricular (ventricular escape) rhythm	MDC_ECG_RHY_V_IDIO_RHY
MDC	10:9872	Ventricular Parasystole	MDC_ECG_RHY_V_PARA
MDC	10:9888	Accelerated idioventricular rhythm	MDC_ECG_RHY_V_AIVR
MDC	10:9904	Slow Ventricular Tachycardia (Idioventricular Tachycardia)	MDC_ECG_RHY_V_IDIO_TACHY

MDC	10:9920	Ventricular Bigeminy	MDC_ECG_RHY_V_BIGEM
MDC	10:9936	Ventricular Trigeminy	MDC_ECG_RHY_V_TRIGEM
MDC	10:9952	Ventricular Couplet	MDC_ECG_RHY_V_P_C_CPLT
MDC	10:9968	Ventricular Run	MDC_ECG_RHY_V_P_C_RUN
MDC	10:9984	Ventricular Tachycardia (nonparoxysmal)	MDC_ECG_RHY_V_TACHY
MDC	10:10000	Ventricular Flutter	MDC_ECG_RHY_V_FLUT
MDC	10:10016	Ventricular Fibrillation	MDC_ECG_RHY_V_FIB
MDC	10:10032	Nonsustained Ventricular Tachycardia (paroxysmal)	MDC_ECG_RHY_V_TACHY_PAROX
MDC	10:10048	Sustained Monomorphic Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_MONO
MDC	10:10064	Polymorphic Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_POLY
MDC	10:10080	Torsades de Pointes Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_TDP
MDC	10:10096	pre-excitation	MDC_ECG_RHY_PREX
MDC	10:10112	Wolf-Parkinson-White syndrome	MDC_ECG_RHY_WPW_UNK
MDC	10:10128	Wolf-Parkinson type A	MDC_ECG_RHY_WPW_A
MDC	10:10144	Wolf-Parkinson type B	MDC_ECG_RHY_WPW_B
MDC	10:10160	Lown-Ganong-Levine syndrome	MDC_ECG_RHY_LGL
MDC	10:10336	Asystole	MDC_ECG_RHY_ASYSTOLE
MDC	10:10352	Irregular rhythm	MDC_ECG_RHY_IRREG
MDC	10:10368	Low Heart Rate Variability	MDC_ECG_RHY_LHRV
MDC	10:10416	T-wave alternans	MDC_ECG_RHY_TALT
MDC	10:10432	Bradycardia	MDC_ECG_RHY_BRADY
MDC	10:10448	Calibration signal (sustained)	MDC_ECG_RHY_CALS
MDC	10:10176	Atrial Demand Mode Pacing	MDC_ECG_RHY_EPADM
MDC	10:10240	Ventricular Demand Mode Pacing	MDC_ECG_RHY_EPVDM
MDC	10:10304	Anti-Tachycardia Pacing	MDC_ECG_RHY_EPAVT

Note: A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3416 Respiration Rhythms

Context ID 3416
Respiration Rhythms
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-21301	normal respiratory rhythm

SRT	F-21303	irregular breathing
SRT	F-20130	gasping respiration
SRT	F-21334	abnormal respiratory rhythm
SRT	F-21331	respiration intermittent

CID 3418 Lesion Risk

Context ID 3418
Lesion Risk
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	111-1	Low Risk Lesion
NCDR	2.0b	111-2	Moderate Risk Lesion
NCDR	2.0b	111-3	High Risk Lesion

CID 3419 Findings Titles

Context ID 3419
Findings Titles
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121071	Finding
DCM	121073	Impression
DCM	121075	Recommendation

CID 3421 Procedure Action

Context ID 3421
Procedure Action
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121130	Start Procedure Action
DCM	121131	End Procedure Action
DCM	121132	Suspend Procedure Action
DCM	121133	Resume Procedure Action

CID 3422 Device Use Actions

Context ID 3422
Device Use Actions
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002F8	Device inserted into sheath
SRT	R-002F7	Device at site of interest
SRT	R-002FB	Device withdrawn / removed
SRT	R-002F6	Device applied to patient
SRT	R-002FA	Device used
SRT	R-10042	Device crossed septum
DCM	122089	Device crossed lesion

CID 3423 Numeric Device Characteristics

Context ID 3423
Numeric Device Characteristics
Type: Extensible Version: 20070124

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A22A	Length
SRT	M-02550	Diameter
DCM	122097	Catheter Curve
DCM	122098	Transmit Frequency
SRT	G-D705	Volume
DCM	121208	Inter-Marker Distance

CID 3425 Intervention Parameters

Context ID 3425
Intervention Parameters
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002D0	Angioplasty Inflation pressure
SRT	R-002CF	Angioplasty Inflation duration
SRT	R-0036C	Rotational Atherectomy Speed
SRT	R-002F2	Delivered Radiation Dose
SRT	R-10043	Ablation power

SRT	R-10044	Ablation frequency

CID 3426 Consumables Parameters

Context ID 3426
Consumables Parameters
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121145	Description of Material
DCM	121148	Unit Serial Identifier
DCM	121149	Lot Identifier

CID 3427 Equipment Events

Context ID 3427
Equipment Events
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122046	Equipment failure
DCM	122047	Equipment brought to procedure room
DCM	122048	Equipment ready
DCM	122049	Equipment removed

CID 3428 Imaging Procedures

Context ID 3428
Imaging Procedures
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P5-009A0	Angiography
SRT	P5-32130	Aortography
SRT	P5-30100	Coronary Arteriography
SRT	P5-3003A	Cardiac ventriculography
SRT	P5-30041	Left Ventriculography
SRT	P5-3003F	Right Ventriculography
SRT	P5-30107	Bypass graft angiography
DCM	122058	Arterial conduit angiography

SRT	P5-B3002	Transesophageal echocardiography
SRT	P5-B3003	Transthoracic echocardiography
SRT	P5-B3004	Epicardial echocardiography
SRT	P5-B001D	Intravascular ultrasound
SRT	P5-B3006	Intracardiac echocardiography

CID 3429 Catheterization Devices

Context ID 3429
Catheterization Devices
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-28051	Intra-Aortic Balloon Pump (IABP)
SRT	R-00306	Fluid filled catheter
SRT	R-00304	Fiberoptic catheter
SRT	R-0030A	Hall catheter
SRT	R-00379	Thermistor catheter
SRT	R-00383	Tip manometer
SRT	A-26860	Swann-Ganz catheter
SRT	F-9B75C	Sheath
SRT	R-10041	Transseptal catheter
DCM	122052	Bioptome
INCLUDE CID 3411 Intracoronary Devices		

CID 3430 DateTime Qualifiers

Context ID 3430
DateTime Qualifiers
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121136	DateTime Unsynchronized
DCM	121137	DateTime Estimated

CID 3440 Peripheral Pulse Locations

Context ID 3440
Peripheral Pulse Locations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-47160	Brachial Artery
SRT	T-45100	Carotid Artery
SRT	T-47741	Dorsalis Pedis Artery
SRT	T-47400	Femoral Artery
SRT	T-47500	Popliteal Artery
SRT	T-47600	Posterior Tibial Artery
SRT	T-47300	Radial Artery
SRT	T-47200	Ulnar Artery

CID 3441 Patient assessments

Context ID 3441
Patient assessments
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	8884-9	Cardiac Rhythm
LN	9304-7	Respiration Rhythm
SRT	F-046D8	Skin condition assessment
SRT	F-043E6	Respiration assessment
SRT	F-04317	Patient mental state assessment

CID 3442 Peripheral Pulse Methods

Context ID 3442
Peripheral Pulse Methods
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P2-01510	Palpation
SRT	P1-30022	Doppler

CID 3446 Skin Condition

Context ID 3446
Skin Condition
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122271	skin condition Warm
DCM	122272	skin condition Cool
DCM	122273	skin condition Cold
DCM	122274	skin condition Dry
DCM	122275	skin condition Clammy
DCM	122276	skin condition Diaphoretic
DCM	122277	skin condition Flush
DCM	122278	skin condition Mottled
DCM	122279	skin condition Pale

CID 3448 Airway Assessment

Context ID 3448
Airway Assessment
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122281	airway unobstructed
DCM	122282	airway partially obstructed
DCM	122283	airway severely obstructed

CID 3451 Calibration Objects

Context ID 3451
Calibration Objects
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-26800	Catheter
SRT	A-10141	Measuring Ruler
DCM	122485	Sphere

CID 3452 Calibration Methods

Context ID 3452
Calibration Methods
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122486	Geometric Isocenter
DCM	122487	Geometric Non-Isocenter
DCM	122488	Calibration Object Used

CID 3453 Cardiac Volume Methods

Context ID 3453
Cardiac Volume Methods
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122558	Area Length Kennedy
DCM	122559	Area Length Dodge
DCM	122560	Area Length Wynne
DCM	122562	Multiple Slices
DCM	122563	Boak
DCM	122564	TS Pyramid
DCM	122565	Two Chamber
DCM	122566	Parallelepiped

CID 3455 Index Methods

Context ID 3455
Index Methods
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8277-6	BSA
DCM	122572	BSA^1.219

CID 3456 Sub-segment Methods

Context ID 3456
Sub-Segment Methods
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122574	Equidistant method
DCM	122575	User selected method

CID 3458 Contour Realignment

Context ID 3458
Contour Realignment
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122475	Center of Gravity
DCM	122476	Long Axis Based
DCM	122477	No Realignment

CID 3460 Circumferential ExtenT

Context ID 3460
Circumferential Extent
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122464	LAD Region in RAO Projection
DCM	122465	RCA Region in RAO Projection

CID 3461 Regional Extent

Context ID 3461
Regional Extent
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122466	Single LAD Region in RAO Projection
DCM	122467	Single RCA Region in RAO Projection
DCM	122468	Multiple LAD Region in RAO Projection
DCM	122469	Multiple RCA Region in RAO Projection
DCM	122470	LAD Region in LAO Projection
DCM	122471	RCA Region in LAO Projection
DCM	122472	CFX Region in LAO Projection

CID 3462 Chamber Identification

Context ID 3462
Chamber Identification
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-32600	Left Ventricle
SRT	T-32500	Right Ventricle
SRT	T-32300	Left Atrium
SRT	T-32200	Right Atrium

CID 3463 Ventricle Identification

Context ID 3463
Ventricle Identification
Type: Non-Extensible Version: 20080927

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-32600	Left Ventricle
SRT	T-32500	Right Ventricle

CID 3465 QA Reference MethodS

Context ID 3465
QA Reference Methods
Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122489	Curve Fitted Reference
DCM	122490	Interpolated Local Reference
DCM	122491	Mean Local Reference

CID 3466 Plane Identification

Context ID 3466
Plane Identification

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10218	Right Anterior Oblique
SRT	R-10220	Left Anterior Oblique
SRT	R-10206	Antero-posterior
SRT	R-10236	Left Lateral
SRT	R-101C3	Cranial LAO
SRT	R-101C5	Cranial RAO
SRT	R-101C4	Caudal LAO
SRT	R-101C6	Caudal RAO

CID 3467 Ejection Fraction

Context ID 3467
Ejection Fraction

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8808-8	Left Ventricular Ejection Fraction by Angiography
LN	8815-3	Right Ventricular Ejection Fraction by Angiography
DCM	122406	Left Atrial Ejection Fraction by Angiography

CID 3468 ED Volume

Context ID 3468
ED Volume

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8821-1	Left Ventricular ED Volume
LN	8822-3	Right Ventricular ED Volume
DCM	122407	Left Atrial ED Volume

CID 3469 ES Volume

Context ID 3469
ES Volume

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8823-7	Left Ventricular ES Volume
LN	8824-5	Right Ventricular ES Volume
DCM	122408	Left Atrial ES Volume

CID 3470 Vessel Lumen Cross-Sectional Area Calculation Methods

Context ID 3470
Vessel Lumen Cross-Sectional Area Calculation Methods

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122473	Circular method
DCM	122474	Densitometric method

CID 3471 Estimated Volumes

Context ID 3471
Estimated Volumes

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121216	Volume estimated from single 2D region
DCM	121218	Volume estimated from two non-coplanar 2D regions

CID 3472 Cardiac Contraction Phase

Context ID 3472
Cardiac Contraction Phase

Type: Extensible Version: 20071031

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-32020	Systolic
SRT	F-32010	Diastolic

CID 3480 IVUS Procedure Phases

This context group outlines the phases of a catheterization procedure in which measurements are performed.

Context ID 3480

IVUS Procedure Phases

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	G-7298	Cardiac catheterization post-intervention phase
SRT	G-7296	Cardiac catheterization pre-intervention phase

CID 3481 IVUS Distance Measurements

This context group is the set of distance measurements made in an IVUS procedure.

Context ID 3481

IVUS Distance Measurements

Type: Extensible Version: 20050110

Code Scheme	Code Value	Concept Name
DCM	122330	EEM Diameter
SRT	G-0364	Vessel lumen diameter
SRT	R-101AD	Stent Diameter
DCM	122331	Plaque Plus Media Thickness
DCM	122332	Lumen Perimeter

CID 3482 IVUS Area Measurements

This context group is the set of cross-sectional area measurements made in an IVUS procedure.

Context ID 3482

IVUS Area Measurements

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122333	EEM Cross-Sectional Area
SRT	G-0366	Vessel lumen cross-sectional area
SRT	R-101AF	Stent Cross-Sectional Area
DCM	122334	Plaque plus Media Cross-Sectional Area
DCM	122335	In-Stent Neointimal Cross-Sectional Area

CID 3483 IVUS Longitudinal Measurements

This context group is a set of measurements that are made on a longitudinal image. A longitudinal image is a perpendicular cut plane reconstructed from an IVUS pullback multi-frame image.

Context ID 3483

IVUS Longitudinal Measurements

Type: Extensible Version: 20050110

Code Scheme	Code Value	Concept Name
SRT	R-101B0	Stent Length
SRT	R-101BC	Stenotic Lesion Length
DCM	122341	Calcium Length
DCM	122364	Stent Gap

CID 3484 IVUS Indices and Ratios

This context group is the set of index and ratio calculations made in an IVUS procedure.

Context ID 3484

IVUS Indices and Ratios

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122343	Lumen Eccentricity Index
DCM	122344	Plaque plus Media Eccentricity Index
DCM	122345	Remodeling Index
DCM	122346	Stent Symmetry Index
DCM	122347	Stent Expansion Index
DCM	122348	Lumen Shape Index
DCM	122350	Lumen Diameter Ratio

DCM	122351	Stent Diameter Ratio
DCM	122352	EEM Diameter Ratio

CID 3485 IVUS Volume Measurements

This context group is the set of volume measurements made from an IVUS procedure.

Context ID 3485

IVUS Volume Measurements

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122371	EEM Volume
DCM	122372	Lumen Volume
SRT	R-101B2	Stent Volume
DCM	122374	In-Stent Neointimal Volume
DCM	122375	Native Plaque Volume
DCM	122376	Total Plaque Volume

CID 3486 Vascular Measurement Sites

This context group is the set of sites where vascular measurements can be made.

Context ID 3486

Vascular Measurement Sites

Type: Extensible Version: 20051103

Code Scheme	Code Value	Concept Name
DCM	122380	Proximal Reference
DCM	122381	Distal Reference
DCM	122382	Site of Lumen Minimum
DCM	122687	Site of Lumen Maximum

CID 3487 IVUS Volumetric Regions

This context group is the set of regions where IVUS volumetric measurements can be made.

Context ID 3487

IVUS Volumetric Regions

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122383	Stented Region
DCM	122384	Entire Pullback
DCM	122385	Proximal Stent Margin

DCM	122386	Distal Stent Margin
SRT	M-01000	Lesion

CID 3488 Min/Max/Mean

This context group contains modifiers that indicate whether the measurement is a minimum, maximum or averaged value.

Context ID 3488

Min/Max/Mean

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	G-A437	Maximum
SRT	R-404FB	Minimum
SRT	R-00317	Mean

CID 3489 Calcium Distribution

This context group is a set of modifiers specifying the distribution of a calcium deposit in an arc of calcium measurement.

Context ID 3489

Calcium Distribution

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	G-A139	Superficial
SRT	G-A140	Deep

CID 3491 IVUS Lesion Morphologies

This context group is a set of qualitative assessments for lesion morphology.

Context ID 3491

IVUS Lesion Morphologies

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
Include CID 3495		
DCM	122356	Soft plaque
DCM	122357	In-Stent Neointima
SRT	D3-80027	Arterial (True) Aneurysm
SRT	M-32390	Pseudo Aneurysm
DCM	122361	False Lumen

SRT	R-4047B	Concentric
SRT	R-40416	Eccentric
SRT	M-52103	Plaque Ulceration
DCM	122363	Plaque Rupture
DCM	122389	Vulnerable Plaque
DCM	122390	Eroded Plaque

CID 3492 Vascular Dissection Classifications

This context group is a set of dissection classifications commonly detected with IVUS or CT/MR angiography.

Context ID 3492

Vascular Dissection Classifications

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	R-101B7	Medial Dissection
SRT	R-101B8	Intimal Dissection
SRT	R-101B9	Adventitial Dissection
SRT	M-35063	Intramural hematoma
DCM	122388	Intra-stent Dissection

CID 3493 IVUS Relative Stenosis Severities

This context group is a set of stenosis severity classifications for multiple lesions within a segment. There will always be a worst stenosis (T-1), the stenosis with the smallest lumen size.

There can be multiple secondary stenoses (T-2, T-3, etc.), which are lesions meeting the definition of a stenosis, but with lumen sizes larger than the worst stenosis. Reference *"American College of Cardiology Clinical Expert Consensus Document on Standards for Acquisition, Measurement and Reporting of Intravascular Ultrasound Studies (IVUS)"*.

Context ID 3493

IVUS Relative Stenosis Severities

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122367	T-1 Worst
DCM	122368	T-2 Secondary
DCM	122369	T-3 Secondary
DCM	122370	T-4 Secondary

CID 3494 IVUS Non Morphological Findings

Context ID 3494

IVUS Non Morphological Findings

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
DCM	122360	True Lumen
SRT	R-101B3	Arterial Blood Stasis
SRT	R-101B5	Incomplete Stent apposition
SRT	R-101B6	Acquired Incomplete stent apposition

CID 3495 IVUS Plaque Composition

This context group is a set of qualitative assessments defining the composition of plaque.

Context ID 3495

IVUS Plaque Composition

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	M-78260	Fibrous Plaque
SRT	D6-34737	Vascular Calcification
SRT	M-35001	Thrombus
DCM	122394	Fibro-Lipidic Plaque
DCM	122395	Necrotic-Lipidic Plaque

CID 3496 IVUS Fiducial Points

This context group is a set of fiducial points (anatomical markers). Fiducial points are used as identifiable axial landmarks in determining the location of a measurement in a vessel.

Context ID 3496

IVUS Fiducial Points

Type: Extensible Version: 20040614

Code Scheme	Code Value	Concept Name
SRT	G-035D	Collateral Branch of vessel
SRT	A-25500	Stent
SRT	D6-34737	Vascular Calcification
SRT	M-78260	Fibrous Plaque
SRT	T-48000	Vein
SRT	G-036A	Vessel Origin

CID 3497 IVUS Arterial Morphology

Context ID 3497
IVUS Arterial Morphology

Type: Extensible Version: 20050110

Coding Scheme	Code Value	Code Meaning
SRT	T-41100	Lumen of artery
SRT	R-102AE	External Elastic Membrane
Include CID 3495		

CID 3500 Pressure Units

Context ID 3500
Pressure Units
Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
UCUM	mm[Hg]	mmHg
UCUM	Kpa	kPa

CID 3502 Hemodynamic Resistance Units

Context ID 3502
Hemodynamic Resistance Units
Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[PRU]	Wood units
UCUM	dyn.s.cm-5	dyn.s.cm-5

CID 3503 Indexed Hemodynamic Resistance Units

Context ID 3503
Indexed Hemodynamic Resistance Units
Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[PRU].m2	Wood units * m2
UCUM	dyn.s.cm-5.m2	dyn.s.cm-5 * m2

CID 3510 Catheter Size Units

Context ID 3510
Catheter Size Units
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[Ch]	French
UCUM	Mm	mm

CID 3515 Specimen Collection

Context ID 3515
Specimen Collection
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P3-02000	specimen collection
SRT	PA-20110	collection of blood specimen for laboratory
SRT	PA-2011E	blood sampling from extracorporeal blood circuit

CID 3520 Blood Source Type

Context ID 3520
Blood Source Type
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00376	Systemic Artery Blood
SRT	T-C2007	Mixed Venous Blood
SRT	R-0035B	Pulmonary Artery Blood
SRT	R-0035E	Pulmonary Vein Blood

CID 3524 Blood Gas Pressures

Context ID 3524
Blood Gas Pressures
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	11557-6	Blood Carbon dioxide partial pressure
LN	2019-8	Arterial Blood Carbon dioxide partial pressure
LN	2021-4	Venous Blood Carbon dioxide partial pressure
LN	11556-8	Blood Oxygen partial pressure
LN	2703-7	Arterial Oxygen partial pressure
LN	2705-2	Venous Oxygen partial pressure

LN	19217-9	Oxygen partial pressure at 50% saturation (P50)
LN	19214-6	Arterial Oxygen partial pressure at 50% saturation
LN	19216-1	Venous Oxygen partial pressure at 50% saturation

CID 3525 Blood Gas Content

Context ID 3525
Blood Gas Content
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	20565-8	Blood Carbon dioxide content
LN	2026-3	Arterial Blood Carbon dioxide content
LN	2027-1	Venous Blood Carbon dioxide content
DCM	122185	Blood Oxygen content
LN	19218-7	Arterial Oxygen content
LN	19220-3	Venous Oxygen content
LN	10232-7	Aortic Root Oxygen content
LN	10245-9	Pulmonary Artery Main Oxygen content
LN	10247-5	Pulmonary Wedge Oxygen content

CID 3526 Blood Gas Saturation

Context ID 3526
Blood Gas Saturation
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122187	Blood Carbon dioxide saturation
LN	20564-1	Blood Oxygen saturation
LN	2708-6	Arterial Oxygen saturation
LN	2711-0	Venous Oxygen saturation
LN	2709-4	Capillary Blood Oxygen Saturation
LN	2710-2	Capillary Blood Oxygen Saturation, by Oximetry

CID 3527 Blood Base Excess

Context ID 3527
Blood Base Excess
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	11555-0	Blood Base Excess
LN	1925-7	Arterial Blood Base Excess
LN	1927-3	Venous Blood Base Excess

CID 3528 Blood pH

Context ID 3528
Blood pH
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	11558-4	Blood pH
LN	2744-1	Arterial Blood pH
LN	2746-6	Venous Blood pH

CID 3529 Arterial / Venous Content

Context ID 3529
Arterial / Venous Content
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	19218-7	Arterial Content (FCa)
LN	19220-3	Venous Content (FCv)
DCM	122188	Pulmonary Arterial Content (FCpa)
DCM	122189	Pulmonary Venous Content (FCpv)

CID 3530 Oxygen Administration Actions

Context ID 3530
Oxygen Administration Actions
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121161	Begin oxygen administration
DCM	121162	End oxygen administration

CID 3531 Oxygen Administration

Context ID 3531
Oxygen Administration
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-0034A	Oxygen Administration by nasal canula
SRT	R-00349	Oxygen Administration by mask
DCM	121163	Oxygen Administration by ventilator

CID 3550 Circulatory Support Actions

Context ID 3550
Circulatory Support Actions

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121157	Begin Circulatory Support
DCM	121158	End Circulatory Support

CID 3551 Ventilation Actions

Context ID 3551
Ventilation Actions

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121168	Begin Ventilation
DCM	121169	End Ventilation

CID 3552 Pacing Actions

Context ID 3552
Pacing Actions

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	121166	Begin Pacing
DCM	121167	End Pacing

CID 3553 Circulatory Support

Context ID 3553
Circulatory Support
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-28051	Intra-Aortic Balloon Pump
SRT	R-00303	External Counter-Pulsation
SRT	A-11FCD	Left Ventricular Assist Device
SRT	P2-77110	Extra-corporeal circulation
SRT	P1-36858	Cardiopulmonary bypass

CID 3554 Ventilation

Context ID 3554
Ventilation

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002CC	Ambu Bag
SRT	R-00359	Pressure Support Ventilator
SRT	R-0038C	Volume Support Ventilator

CID 3555 Pacing

Context ID 3555
Pacing

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P2-35000	Pacing
SRT	R-00315	pacing with magnet
SRT	P2-35200	atrial pacing
SRT	P2-35002	ventricular pacing
SRT	R-002D9	A-V sequential pacing
SRT	P2-35440	temporary transcutaneous pacing

CID 3560 Blood Pressure Methods

Context ID 3560
Blood Pressure Methods

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00318	Blood pressure cuff method

CID 3600 Relative times

Context ID 3600
Relative times

Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-407E0	Before
SRT	R-407E1	During
SRT	R-42517	After

CID 3602 Hemodynamic Patient State

Context ID 3602
Hemodynamic Patient State

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-01602	Baseline state
SRT	F-10340	Supine body position
SRT	F-01604	Resting state
SRT	F-01606	Exercise state
SRT	F-01608	Post-exercise state

CID 3604 Arterial lesion locations

Context ID 3604
Arterial lesion locations

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 3015 Coronary Arteries		
INCLUDE CID 3606 Arterial source locations		

CID 3606 Arterial source locations

Context ID 3606
Arterial source locations
Type: Extensible Version: 20061024

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-42500	Abdominal aorta
SRT	T-45530	anterior communicating artery
SRT	T-45730	anterior spinal artery
SRT	T-42000	Aorta
SRT	T-42300	Aortic Arch
SRT	D3-81922	Aortic fistula
SRT	T-41000	Artery
SRT	T-42100	Ascending aorta
SRT	T-47100	Axillary Artery
SRT	A-00203	Baffle
SRT	T-45800	basilar artery
SRT	T-47160	Brachial artery
SRT	T-46010	brachiocephalic trunk
SRT	T-45010	Carotid Artery

SRT	T-45510	cerebral artery
SRT	T-45100	Common carotid artery
SRT	T-43000	Coronary Artery
SRT	T-42400	Descending aorta
SRT	T-45240	facial artery
SRT	T-47400	Femoral artery
SRT	D4-32504	Fistula coronary to left atrium
SRT	D4-32506	Fistula coronary to left ventricle
SRT	D4-32508	Fistula coronary to right atrium
SRT	D4-32510	Fistula coronary to right ventricle
SRT	T-47490	geniculate artery
SRT	T-46420	Hepatic artery
SRT	T-46700	Iliac artery
SRT	T-46010	Innominate artery
SRT	T-45300	internal carotid artery
SRT	T-46200	Internal mammary artery
SRT	T-45410	lactrimal artery
SRT	T-47651	lateral plantar artery
SRT	T-44400	Left pulmonary artery
SRT	T-45230	lingual artery
SRT	T-46960	lumbar artery
SRT	T-46500	mesenteric artery
SRT	T-47661	medial plantar artery
SRT	T-F7001	Neo-aorta (primitive aorta)
SRT	T-F7040	Neonatal pulmonary artery (primitive PA)
SRT	T-45250	occipital artery
SRT	T-45400	ophthalmic artery
SRT	D4-32012	patent ductus arteriosus
SRT	T-47630	peroneal artery
SRT	T-47500	popliteal artery
SRT	T-45320	posterior communicating artery
SRT	R-F5517	Pulmonary arteriovenous fistula
SRT	T-44000	Pulmonary artery
SRT	D4-33142	Pulmonary artery conduit
SRT	R-00360	Pulmonary vein wedge
SRT	T-47300	radial artery
SRT	T-46600	Renal artery
SRT	T-47410	Right femoral artery
SRT	T-44200	Right pulmonary artery
SRT	T-46100	Subclavian Artery
SRT	T-45270	superficial temporal artery

SRT	T-45210	superior thyroid artery
SRT	T-44007	Systemic collateral Artery to lung
SRT	T-42070	Thoracic aorta
SRT	T-4704C	tibial artery
SRT	D4-31400	Truncus Arteriosus Communis
SRT	T-F1810	Umbilical artery
SRT	T-45700	Vertebral artery

CID 3607 Venous Source locations

Context ID 3607
Venous Source locations
Type: Extensible Version: 20061024

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-48503	Anomalous pulmonary vein
SRT	T-49215	Antecubital Vein
SRT	T-49110	Axillary vein
SRT	T-48340	Azygos vein
SRT	T-48052	Basilic vein
SRT	T-49424	Boyd perforating vein
SRT	T-49350	Brachial vein
SRT	T-48003	Central venous system
SRT	T-49240	cephalic vein
SRT	T-49429	Dodd perforating vein
SRT	T-49410	Femoral vein
SRT	T-48820	gastric vein
SRT	T-48720	hepatic vein
SRT	T-4942A	Hunterian perforating vein
SRT	T-48710	Inferior Vena cava
SRT	T-48620	Innominate vein
SRT	T-48170	Internal jugular vein
SRT	T-4884A	mesenteric vein
SRT	T-48810	portal vein
SRT	T-49535	posterior medial tributary
SRT	T-48500	Pulmonary vein
SRT	D4-33512	Pulmonary vein confluence
SRT	T-48740	Renal vein
SRT	T-D930A	Saphenofemoral junction
SRT	T-49530	Saphenous vein
SRT	T-48890	splenic vein

SRT	T-48330	Subclavian vein
SRT	T-48610	Superior vena cava
SRT	T-48817	Umbilical vein
SRT	T-48000	Vein
SRT	R-003AA	Vena anonyma

CID 3608 Atrial source locations

Context ID 3608
Atrial source locations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-00203	Baffle
SRT	D4-31320	Common atrium
SRT	T-32320	Coronary sinus
SRT	D4-31052	Juxtaposed appendage
SRT	T-32300	Left atrium
SRT	G-DB27	Pulmonary artery wedge
SRT	G-DB26	Pulmonary capillary wedge
SRT	D4-33514	Pulmonary venous atrium
SRT	T-32190	Pulmonary chamber in cor triatriatum
SRT	T-32200	Right Atrium
SRT	D4-33516	Systemic venous atrium

CID 3609 Ventricular source locations

Context ID 3609
Ventricular source locations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-32400	Common ventricle
SRT	T-32600	Left ventricle
SRT	T-32602	Left ventricle apex
SRT	T-32640	Left ventricle inflow
SRT	D4-31022	Left ventricle outflow chamber
SRT	T-32650	Left ventricle outflow tract
SRT	T-32500	Right ventricle
SRT	T-32502	Right ventricle apex
SRT	T-32540	Right ventricle inflow

SRT	D4-31032	Right ventricle outflow chamber
SRT	T-32550	Right ventricle outflow tract

CID 3610 Gradient Source Locations

Context ID 3610
Gradient Source Locations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-35300	Mitral Valve
SRT	T-35400	Aortic Valve
SRT	T-35100	Tricuspid valve
SRT	T-35200	Pulmonary valve
SRT	T-44000	Pulmonary artery
SRT	T-32650	Left ventricle outflow tract
SRT	T-32550	Right ventricle outflow tract
SRT	D4-31150	Ventricular Septal defect
SRT	D4-31220	Atrial Septal defect
SRT	D4-32014	Coarctation of aorta

CID 3611 Pressure Measurements

Context ID 3611
Pressure Measurements
Type: Extensible Version: 20050322

Coding Scheme Designator	Code Value	Code Meaning
DCM	109016	A wave peak pressure
DCM	122196	C wave pressure
LN	8462-4	Intravascular diastolic blood pressure
SRT	F-00E22	Average diastolic blood pressure
SRT	F-00E1F	Minimum diastolic blood pressure
DCM	122191	Ventricular End Diastolic pressure
DCM	122197	Gradient pressure, average
DCM	122198	Gradient pressure, peak
SRT	F-31150	Mean blood pressure
DCM	122199	Pressure at dp/dt max
LN	8480-6	Intravascular Systolic Blood pressure
SRT	F-00E14	Average systolic blood pressure
SRT	F-00E11	Maximum systolic blood pressure

DCM	109034	V wave peak pressure
DCM	122208	x-descent pressure
DCM	122209	y-descent pressure
DCM	122210	z-point pressure

CID 3612 Blood Velocity Measurements

Context ID 3612
Blood Velocity Measurements
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122201	Diastolic blood velocity, mean
DCM	122202	Diastolic blood velocity, peak
DCM	122203	Systolic blood velocity, mean
DCM	122204	Systolic blood velocity, peak
DCM	122205	Blood velocity, mean
DCM	122206	Blood velocity, minimum
DCM	122207	Blood velocity, peak

CID 3613 Hemodynamic Time Measurements

Context ID 3613
Hemodynamic Time Measurements
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122182	R-R interval
DCM	109072	Tau
DCM	122211	Left Ventricular ejection time
DCM	122212	Left Ventricular filling time
DCM	122213	Right Ventricular ejection time
DCM	122214	Right Ventricular filling time
DCM	109071	Indicator mean transit time

CID 3614 Valve Areas, non-Mitral

Context ID 3614
Valve Areas, non-Mitral
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-0231F	Aortic Valve Area
SRT	F-02321	Pulmonic Valve Area
SRT	F-02322	Tricuspid Valve Area
DCM	122160	Derived Non-Valve Area

CID 3615 Valve Areas

Context ID 3615
Valve Areas
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3614 Valve Areas, non-Mitral		
SRT	F-02320	Mitral Valve Area

CID 3616 Hemodynamic Period Measurements

Context ID 3616
Hemodynamic Period Measurements
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002D2	Aortic Systolic Ejection Period (SEPa)
SRT	R-0035C	Pulmonary Systolic Ejection Period (SEPp)
SRT	R-0032C	Mitral Diastolic Filling Period (DFPm)
SRT	R-003A9	Tricuspid Diastolic Filling Period (DFPt)
SRT	R-002F5	Derived Period, Non-Valve

CID 3617 Valve Flows

Context ID 3617
Valve Flows
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002D3	Aortic Valve Flow
SRT	R-0032D	Mitral Valve Flow
SRT	R-0035D	Pulmonary Valve Flow

SRT	R-00385	Tricuspid Valve Flow
SRT	R-00394	Derived Flow, Non-Valve

CID 3618 Hemodynamic Flows

Context ID 3618
Hemodynamic Flows
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122161	Pulmonary Flow
DCM	122162	Systemic Flow

CID 3619 Hemodynamic Resistance Measurements

Context ID 3619
Hemodynamic Resistance Measurements
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-03E86	Pulmonary Vascular Resistance
SRT	F-03E7E	Systemic Vascular Resistance
DCM	122215	Total Pulmonary Resistance
DCM	122216	Total Vascular Resistance

CID 3620 Hemodynamic Ratios

Context ID 3620
Hemodynamic Ratios
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
LN	8581-1	Tibial/brachial index
SRT	F-0238B	Pulmonary/Systemic Flow Ratio
DCM	122217	Coronary Flow reserve
DCM	122218	Diastolic/Systolic velocity ratio
DCM	122219	Hyperemic ratio
SRT	F-031A2	Pulsatility Index
DCM	122220	Hemodynamic Resistance Index
INCLUDE CID 3621 Fractional Flow Reserve		

CID 3621 Fractional Flow Reserve

Context ID 3621
Fractional Flow Reserve
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00307	Fractional flow reserve
SRT	R-00308	Fractional Flow Reserve using intracoronary bolus
SRT	R-00309	Fractional Flow Reserve using intravenous infusion

CID 3627 Measurement Type

Context ID 3627
Measurement Type
Type: Extensible Version: 20060613

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002E1	Best value
SRT	R-00317	Mean
SRT	R-00319	Median
SRT	R-0032E	Mode
SRT	R-00355	Point source measurement
SRT	R-00353	Peak to peak
SRT	R-41D27	Visual estimation
SRT	R-10260	Estimated
SRT	R-41D2D	Calculated
SRT	R-41D41	Measured

CID 3628 Cardiac Output Methods

Context ID 3628
Cardiac Output Methods
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002E5	Thermal Bath
SRT	R-002E7	Thermal Inline
SRT	R-002E6	Dye Dilution

CID 3629 Procedure Intent

Context ID 3629
Procedure Intent
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-408C3	Diagnostic Intent
SRT	R-41531	Therapeutic Intent
SRT	R-002E9	Combined Diagnostic and Therapeutic Procedure

CID 3630 Cardiovascular Anatomic Locations

Context ID 3630
Cardiovascular Anatomic Locations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 3606 Arterial Source Locations		
INCLUDE CID 3607 Venous Source Locations		
INCLUDE CID 3608 Atrial Source Locations		
INCLUDE CID 3609 Ventricular Source Locations		
INCLUDE CID 3610 Gradient Source Locations		

CID 3640 Hypertension

Context ID 3640
Hypertension
Type: Extensible Version: 20040920

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-40300	Pulmonary hypertension
SRT	D3-02000	Systemic arterial hypertension

CID 3641 Hemodynamic Assessments

Context ID 3641
Hemodynamic Assessments
Type: Extensible Version: 20040920

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-03E0D	Left Ventricular Systolic Pressure
SRT	F-03E0E	Left Ventricular End-Diastolic Pressure

SRT	F-0212C	Pulmonary Artery Pressure
SRT	F-03E86	Pulmonary Vascular Resistance
SRT	F-31146	Pulmonary Capillary Wedge Pressure
SRT	F-03DFE	Right Ventricular Systolic Pressure
SRT	F-03E02	Right Ventricular End-Diastolic Pressure
SRT	F-03DE9	Right Atrial Pressure
SRT	F-39790	Vascular Resistance
SRT	F-31120	Diastolic Pressure

CID 3642 Degree Findings

Context ID 3642
Degree Findings
Type: Extensible Version: 20040920

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A316	Decreased
SRT	G-A373	Elevated
SRT	G-A37A	Severely Elevated
SRT	R-40765	Normal Range

CID 3651 Hemodynamic Measurement Phase

This context group is a subset of CID 3250.

Context ID 3651
Hemodynamic Measurement Phase
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-7293	Cardiac catheterization baseline phase
SRT	G-729B	Cardiac catheterization post contrast phase
SRT	G-7298	Cardiac catheterization post-intervention phase
SRT	G-929D	Cardiac catheterization test/challenging phase
SRT	R-002E3	Cardiac catheterization gradient assessment phase
SRT	P2-71317	Drug Infusion Challenge
SRT	P2-71310	Exercise challenge
SRT	F-01604	Resting State

CID 3663 Body Surface Area Equations

Context ID 3663
Body Surface Area Equations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122240	BSA = 0.003207*WT^(0.7285-0.0188 log (WT))*HT^0.3
DCM	122241	BSA = 0.007184*WT^0.425*HT^0.725
DCM	122242	BSA = 0.0235*WT^0.51456*HTcm^0.42246
DCM	122243	BSA = 0.024265*WT^0.5378*HTcm^0.3964
DCM	122244	BSA = (HT * WT/36)^0.5

CID 3664 Oxygen Consumption Equations and Tables

Context ID 3664
Oxygen Consumption Equations and Tables
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122247	VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf)
DCM	122248	VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf)
DCM	122249	VO2 = VeSTPD * 10 * (FIO2 - FE02)
DCM	122250	VO2 = 152 * BSA
DCM	122251	VO2 = 175 * BSA
DCM	122252	VO2 = 176 * BSA
DCM	122253	Robertson & Reid table
DCM	122254	Fleisch table
DCM	122255	Boothby table

CID 3666 P50 Equations

Context ID 3666
P50 Equations
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122256	if (prem age< 3days) P50= 19.9
DCM	122257	if (age < 1day) P50= 21.6
DCM	122258	if (age < 30day) P50= 24.6
DCM	122259	if (age < 18y) P50= 27.2

DCM	122260	if (age < 40y) P50= 27.4
DCM	122261	if (age > 60y) P50= 29.3

CID 3667 Framingham Scores

Context ID 3667
Framingham Scores
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122230	10 Year CHD Risk
DCM	122231	Comparative Average 10 Year CHD Risk
DCM	122232	Comparative Low 10 Year CHD Risk

CID 3668 Framingham Tables

Context ID 3668
Framingham Tables
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122233	LDL Cholesterol Score Sheet for Men
DCM	122234	LDL Cholesterol Score Sheet for Women
DCM	122235	Total Cholesterol Score Sheet for Men
DCM	122236	Total Cholesterol Score Sheet for Women

CID 3670 ECG Procedure Types

Context ID 3670
ECG Procedure Types
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P2-3120A	12-Lead ECG
DCM	122062	15-Lead ECG

CID 3671 Reason for ECG Exam

Context ID 3671
Reason for ECG Exam
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00300	Emergency
SRT	P1-00410	Pre-Surgery
SRT	R-00348	Outpatient
SRT	R-0035A	Cardiac Care Unit
SRT	P2-10700	Emergency Department
SRT	R-00302	Murmur
SRT	R-0036E	Routine

CID 3672 Pacemakers

Context ID 3672
Pacemakers
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.3.2.6-PAVVI	VVI pacemaker
SCPECG	1.3	D.3.2.6-PAAAI	AAI pacemaker
SCPECG	1.3	D.3.2.6-PAVAT	VAT pacemaker
SCPECG	1.3	D.3.2.6-PAVDD	VDD pacemaker
SCPECG	1.3	D.3.2.6-PADVI	DVI pacemaker
SCPECG	1.3	D.3.2.6-PADDD	DDD pacemaker

CID 3673 Diagnosis

Context ID 3673
Diagnosis
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.4.5-32-1	Apparently healthy
SCPECG	1.3	5.4.5-32-10	Acute myocardial infarction
SCPECG	1.3	5.4.5-32-11	Myocardial infarction

SCPECG	1.3	5.4.5-32-12	Previous myocardial infarction
SCPECG	1.3	5.4.5-32-15	Ischemic heart disease
SCPECG	1.3	5.4.5-32-18	Peripheral vascular disease
SCPECG	1.3	5.4.5-32-20	Cyanotic congenital heart disease
SCPECG	1.3	5.4.5-32-21	Acyanotic congenital heart disease
SCPECG	1.3	5.4.5-32-22	Valvular heart disease
SCPECG	1.3	5.4.5-32-25	Hypertension
SCPECG	1.3	5.4.5-32-27	Cerebrovascular accident
SCPECG	1.3	5.4.5-32-30	Cardiomyopathy
SCPECG	1.3	5.4.5-32-35	Pericarditis
SCPECG	1.3	5.4.5-32-36	Myocarditis
SCPECG	1.3	5.4.5-32-40	Post-operative cardiac surgery
SCPECG	1.3	5.4.5-32-42	Implanted cardiac pacemaker
SCPECG	1.3	5.4.5-32-45	Pulmonary embolism
SCPECG	1.3	5.4.5-32-50	Respiratory disease
SCPECG	1.3	5.4.5-32-55	Endocrine disease
SCPECG	1.3	5.4.5-32-60	Neurological disease
SCPECG	1.3	5.4.5-32-65	Alimentary disease
SCPECG	1.3	5.4.5-32-70	Renal Disease
SCPECG	1.3	5.4.5-32-80	Pre-operative general surgery
SCPECG	1.3	5.4.5-32-81	Post-operative general surgery
SCPECG	1.3	5.4.5-32-90	General medical
SCPECG	1.3	5.4.5-32-100	Other

CID 3675 Other Filters

Context ID 3675
Other Filters
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.4.5-29-0	60 Hertz notch filter
SCPECG	1.3	5.4.5-29-1	50 Hertz notch filter
SCPECG	1.3	5.4.5-29-2	Artifact filter
SCPECG	1.3	5.4.5-29-3	Baseline filter

CID 3676 Lead Measurement Technique

Context ID 3676
Lead Measurement Technique

- Standard -

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-002DA	Averaged
SRT	R-0036D	Routine
SRT	R-00319	Median
SRT	R-0036A	Representative
SRT	R-00373	Single Beats

CID 3677 Summary Codes ECG

Context ID 3677
Summary Codes ECG
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.3.2-NORM	Normal ECG
SCPECG	1.3	D.3.2-ABECG	Abnormal ECG
SCPECG	1.3	D.3.2-BOECG	Borderline Normal ECG

CID 3678 QT Correction Algorithms

Context ID 3678
QT Correction Algorithms
Type: Extensible Version: 20081029

Coding Scheme Designator	Code Value	Code Meaning
DCM	122730	Bazett QT Correction Algorithm
DCM	122731	Hodges QT Correction Algorithm
DCM	122732	Fridericia QTc Algorithm
DCM	122733	Framingham QTc Algorithm

Note: A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3679 ECG Morphology Descriptions

Context ID 3679
ECG Morphology Descriptions
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.13.5.1-0	Unknown
SCPECG	1.3	5.13.5.1-1	Positive
SCPECG	1.3	5.13.5.1-2	Negative
SCPECG	1.3	5.13.5.1-3	positive/negative
SCPECG	1.3	5.13.5.1-4	negative/positive
SCPECG	1.3	5.13.5.1-5	positive/negative/positive
SCPECG	1.3	5.13.5.1-6	negative/positive/negative
SCPECG	1.3	5.13.5.1-7	notched M-shaped
SCPECG	1.3	5.13.5.1-8	notched W-shaped

CID 3680 ECG Lead Noise Descriptions

Context ID 3680
ECG Lead Noise Descriptions
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.13.5.2-0	AC (mains) noise
SCPECG	1.3	5.13.5.2-2	overrange
SCPECG	1.3	5.13.5.2-4	wander
SCPECG	1.3	5.13.5.2-6	tremor or muscle artifact
SCPECG	1.3	5.13.5.2-8	spikes or sudden jumps
SCPECG	1.3	5.13.5.2-10	electrode loose or off
SCPECG	1.3	5.13.5.2-12	pacemaker
SCPECG	1.3	5.13.5.2-14	interchanged lead

CID 3681 ECG Lead Noise Modifiers

Context ID 3681
ECG Lead Noise Modifiers
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5-13-5-2-0	None
SCPECG	1.3	5-13-5-2-1	Moderate
SCPECG	1.3	5-13-5-2-2	Severe
SCPECG	1.3	5-13-5-2-3	Unknown

CID 3682 Probability

Context ID 3682
Probability
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.2.2-DE	definite
SCPECG	1.3	D.2.2-PR	probable
SCPECG	1.3	D.2.2-PS	possible
SCPECG	1.3	D.2.2-CE	rule out/cannot exclude
SCPECG	1.3	D.2.2-CO	consider
SCPECG	1.3	D.2.2-SS	strongly suggestive
SCPECG	1.3	D.2.2-CW	consistent with
SCPECG	1.3	D.2.2-UN	unknown

CID 3683 Modifiers

Context ID 3683
Modifiers
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.2.3-AB	abnormal
SCPECG	1.3	D.2.3-AC	acute
SCPECG	1.3	D.2.3-AF	antero-inferior
SCPECG	1.3	D.2.3-AI	age indeterminate
SCPECG	1.3	D.2.3-AL	anterolateral
SCPECG	1.3	D.2.3-AN	anterior
SCPECG	1.3	D.2.3-AS	anteroseptal
SCPECG	1.3	D.2.3-AT	atrial
SCPECG	1.3	D.2.3-AU	age undetermined
SCPECG	1.3	D.2.3-BA	basal
SCPECG	1.3	D.2.3-BA	borderline abnormal
SCPECG	1.3	D.2.3-BN	borderline normal
SCPECG	1.3	D.2.3-BO	borderline
SCPECG	1.3	D.2.3-CP	complete
SCPECG	1.3	D.2.3-DI	diffuse
SCPECG	1.3	D.2.3-EL	compatible with electrolyte abnormalities
SCPECG	1.3	D.2.3-EV	evolving

SCPECG	1.3	D.2.3-EX	extensive
SCPECG	1.3	D.2.3-HL	high lateral
SCPECG	1.3	D.2.3-IC	incomplete
SCPECG	1.3	D.2.3-IL	inferolateral
SCPECG	1.3	D.2.3-IN	inferior
SCPECG	1.3	D.2.3-IP	inferoposterior
SCPECG	1.3	D.2.3-LA	lateral
SCPECG	1.3	D.2.3-LV	compatible with left ventricular strain
SCPECG	1.3	D.2.3-MA	major
SCPECG	1.3	D.2.3-MD	compatible with myocardial ischemic damage
SCPECG	1.3	D.2.3-MI	minor
SCPECG	1.3	D.2.3-MO	moderate
SCPECG	1.3	D.2.3-ND	nodal
SCPECG	1.3	D.2.3-NO	within normal limits
SCPECG	1.3	D.2.3-NX	may be normal variant
SCPECG	1.3	D.2.3-OL	old
SCPECG	1.3	D.2.3-PE	compatible with pericarditis
SCPECG	1.3	D.2.3-PL	posterolateral
SCPECG	1.3	D.2.3-PO	posterior
SCPECG	1.3	D.2.3-RE	recent
SCPECG	1.3	D.2.3-SE	septal
SCPECG	1.3	D.2.3-SI	sinus
SCPECG	1.3	D.2.3-SN	subendocardial
SCPECG	1.3	D.2.3-SP	subepicardial
SCPECG	1.3	D.2.3-SU	subacute
SCPECG	1.3	D.2.3-SV	supraventricular
SCPECG	1.3	D.2.3-TY	typical
SCPECG	1.3	D.2.3-VE	ventricular
SCPECG	1.3	D.2.3-WI	widespread
SCPECG	1.3	D.2.3-XA	probably acute (recent)
SCPECG	1.3	D.2.3-XO	probably old
SCPECG	1.3	D.2.3-YA	possibly acute (recent)
SCPECG	1.3	D.2.3-YO	possibly old
SCPECG	1.3	D.2.3-YT	atypical

CID 3684 Trend

Context ID 3684
Trend
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.2.3-4-SE	serial changes consistent with...
SCPECG	1.3	D.2.3-4-CC	continuing changes of...
SCPECG	1.3	D.2.3-4-OC	occasional
SCPECG	1.3	D.2.3-4-IM	intermittent
SCPECG	1.3	D.2.3-4-TE	temporary
SCPECG	1.3	D.2.3-4-EV	evolving
SCPECG	1.3	D.2.3-4-NE	new
SCPECG	1.3	D.2.3-4-MU	multiple
SCPECG	1.3	D.2.3-4-TR	transient
SCPECG	1.3	D.2.3-4-UF	unifocal
SCPECG	1.3	D.2.3-4-MF	multifocal
SCPECG	1.3	D.2.3-4-FR	frequent

CID 3685 Conjunctive Terms

Context ID 3685
Conjunctive Terms
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.2.5-1-AND	and
SCPECG	1.3	D.2.5-1-OR	or
SCPECG	1.3	D.2.5-1-NOT	not
SCPECG	1.3	D.2.5-1-XOR	exclusive or
SCPECG	1.3	D.2.5-3-SER	serial changes of
SCPECG	1.3	D.2.5-3-DEC	decreased in comparison to previous ECG
SCPECG	1.3	D.2.5-3-INC	increased in comparison to previous ECG
SCPECG	1.3	D.2.5-3-UNC	unchanged in comparison to previous ECG
SCPECG	1.3	D.2.5-3-CHG	changed in comparison to previous ECG
SCPECG	1.3	D.2.5-3-DIS	disappeared in comparison to previous ECG
SCPECG	1.3	D.2.5-3-REP	replaced statement reported previously
SCPECG	1.3	D.2.5-3-IMP	improved (compared to)
SCPECG	1.3	D.2.5-3-WRS	worse (compared to)
SCPECG	1.3	D.2.5-4-RES	results in, or causes
SCPECG	1.3	D.2.5-4-SEC	is secondary to
SCPECG	1.3	D.2.5-4-ASS	is associated with
SCPECG	1.3	D.2.5-4-EXC	exclude, rule out, or consider also
SCPECG	1.3	D.2.5-4-WTH	with

SCPECG	1.3	D.2.5-4-ALT	alternating with

CID 3686 ECG Interpretive Statements

Context ID 3686
ECG Interpretive Statements
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	D.3-SVPCS	(multiple) supraventricular premature complexes
SCPECG	1.3	D.3-B2T1	(predominant) 2:1 block
SCPECG	1.3	D.3-C2T1	(predominant) 2:1 conduction
SCPECG	1.3	D.3-B351	(predominant) 3:1 block
SCPECG	1.3	D.3-C3T1	(predominant) 3:1 conduction
SCPECG	1.3	D.3-B4T1	(predominant) 4:1 block
SCPECG	1.3	D.3-C4T1	(predominant) 4:1 conduction
SCPECG	1.3	D.3-B5T1	(predominant) 5:1 block
SCPECG	1.3	D.3-C5T1	(predominant) 5:1 conduction
SCPECG	1.3	D.3-PAAAI	AAI pacemaker
SCPECG	1.3	D.3-ABSVC	aberrant complex, possibly supraventricular origin
SCPECG	1.3	D.3-ABSVS	aberrant complexes, possibly supraventricular origin
SCPECG	1.3	D.3-ABBCO	aberrant conduction
SCPECG	1.3	D.3-ABPCS	aberrant premature complexes, origin unknown
SCPECG	1.3	D.3-ABASH	aberrant supraventricular complexes, Ashman type
SCPECG	1.3	D.3-ABER	aberrantly conducted complex(es)
SCPECG	1.3	D.3-ABECG	abnormal ECG
SCPECG	1.3	D.3-ABFA	abnormal for age
SCPECG	1.3	D.3-ABFB	abnormal for build
SCPECG	1.3	D.3-ABPAX	abnormal P-axis
SCPECG	1.3	D.3-ABQRS	abnormal QRS
SCPECG	1.3	D.3-ABRPR	abnormal R-wave progression
SCPECG	1.3	D.3-ABSTT	abnormal ST-T
SCPECG	1.3	D.3-ACAR	accelerated atrial rhythm
SCPECG	1.3	D.3-AAVCO	accelerated AV conduction
SCPECG	1.3	D.3-ACJR	accelerated junctional rhythm
SCPECG	1.3	D.3-ACVR	accelerated ventricular rhythm
SCPECG	1.3	D.3-AHERR	acquisition/hardware error
SCPECG	1.3	D.3-DSCAL	all leads double standard calibration (i.e. 20 mm/mV)

SCPECG	1.3	D.3-HSCAL	all leads half standard calibration (i.e. 5 mm/mV)
SCPECG	1.3	D.3-A2AVB	alternating second degree AV block
SCPECG	1.3	D.3-AMI	anterior myocardial infarction
SCPECG	1.3	D.3-ANTCO	anterograde conduction
SCPECG	1.3	D.3-ALMI	anterolateral myocardial infarction
SCPECG	1.3	D.3-ASMI	anteroseptal myocardial infarction
SCPECG	1.3	D.3-APMI	apical myocardial infarction
SCPECG	1.3	D.3-ARRHY	arrhythmia, origin unknown
SCPECG	1.3	D.3-ARTEF	artifacts
SCPECG	1.3	D.3-PACEA	artificial pacemaker rhythm with 100% capture
SCPECG	1.3	D.3-PACEP	artificial pacemaker rhythm with partial capture
SCPECG	1.3	D.3-PACEF	artificial pacemaker rhythm with underlying atrial fibrilation
SCPECG	1.3	D.3-ASYST	asystole
SCPECG	1.3	D.3-ABIG	atrial bigeminy
SCPECG	1.3	D.3-AEC	atrial escape complex(es)
SCPECG	1.3	D.3-AFIB	atrial fibrillation
SCPECG	1.3	D.3-AFLT	atrial flutter
SCPECG	1.3	D.3-APARA	atrial parasystole
SCPECG	1.3	D.3-APC	atrial premature complex
SCPECG	1.3	D.3-PAC	atrial premature complex
SCPECG	1.3	D.3-ARATE	atrial rate
SCPECG	1.3	D.3-ARHYT	atrial rhythm
SCPECG	1.3	D.3-ATACH	atrial tachycardia
SCPECG	1.3	D.3-ATRIG	atrial trigeminy
SCPECG	1.3	D.3-AVNRT	atrioventricular nodal re-entrant tachycardia
SCPECG	1.3	D.3-AVRT	atrioventricular reciprocating tachycardia
SCPECG	1.3	D.3-ALBBB	atypical left bundle branch block
SCPECG	1.3	D.3-AVREN	AV nodal re-entry
SCPECG	1.3	D.3-AVDIS	AV-dissociation
SCPECG	1.3	D.3-AVJR	AV-junctional rhythm
SCPECG	1.3	D.3-AXPOS	axis shifted posteriorly
SCPECG	1.3	D.3-AXSUP	axis shifted superiorly
SCPECG	1.3	D.3-AXVER	axis vertical in frontal plane
SCPECG	1.3	D.3-WANDR	baseline wander
SCPECG	1.3	D.3-BAE	bi-atrial enlargement
SCPECG	1.3	D.3-BAO	bi-atrial overload
SCPECG	1.3	D.3-BIFAS	bifascicular block
SCPECG	1.3	D.3-BIGU	bigeminal pattern
SCPECG	1.3	D.3-EPARV	bipolar electronic pacemaker at the apex of the right ventricle
SCPECG	1.3	D.3-BVH	biventricular hypertrophy

SCPECG	1.3	D.3-BOECG	borderline ECG
SCPECG	1.3	D.3-BPAC	BPAC blocked premature atrial contraction
SCPECG	1.3	D.3-BRADO	bradycardia, origin unknown or not specified
SCPECG	1.3	D.3-CAPT	capture complex(es)
SCPECG	1.3	D.3-ASD	changes compatible with atrial septal defect (ostium secundum)
SCPECG	1.3	D.3-CWRT	clockwise rotation
SCPECG	1.3	D.3-ECD	compatible endocardial cushion defect (ASD ostium primum)
SCPECG	1.3	D.3-ACA	compatible with anomalous location of the coronary
SCPECG	1.3	D.3-MYOPA	compatible with cardiomyopathy
SCPECG	1.3	D.3-EBSTA	compatible with Ebstein's anomaly
SCPECG	1.3	D.3-NDOC	compatible with endocrine disease
SCPECG	1.3	D.3-IBP	compatible with hypertension
SCPECG	1.3	D.3-ISDIG	compatible with ischemia / digitalis effect
SCPECG	1.3	D.3-MYOCA	compatible with myocarditis
SCPECG	1.3	D.3-PULM	compatible with pulmonary embolism
SCPECG	1.3	D.3-TCA	compatible with tricuspid atresia
SCPECG	1.3	D.3-CLBBB	complete left bundle branch block
SCPECG	1.3	D.3-CRBBB	complete right bundle branch block
SCPECG	1.3	D.3-CONCO	concealed conduction
SCPECG	1.3	D.3-CONRE	concealed re-entry
SCPECG	1.3	D.3-HPRCA	consider hypercalcemia
SCPECG	1.3	D.3-HPRK	consider hyperkalemia
SCPECG	1.3	D.3-HPOCA	consider hypocalcemia
SCPECG	1.3	D.3-HPOK	consider hypokalemia
SCPECG	1.3	D.3-COPD	consistent with chronic obstructive pulmonary disease
SCPECG	1.3	D.3-CCWRT	counterclockwise rotation
SCPECG	1.3	D.3-CRIMA	criteria for
SCPECG	1.3	D.3-PADDD	DDD pacemaker
SCPECG	1.3	D.3-PACED	demand pacemaker rhythm
SCPECG	1.3	D.3-PADEM	demand pacing, based upon intrinsic complexes
SCPECG	1.3	D.3-DXTRO	dextrocardia
SCPECG	1.3	D.3-DIG	digitalis-effect
SCPECG	1.3	D.3-PAD	dual chamber electronic pacing
SCPECG	1.3	D.3-PADVI	DVI pacemaker
SCPECG	1.3	D.3-WHNOR	ECG within normal limits for age and sex
SCPECG	1.3	D.3-EAR	ectopic atrial rhythm
SCPECG	1.3	D.3-PAA	electronic atrial pacing
SCPECG	1.3	D.3-EPAVS	electronic pacemaker AV sequential, normal

			capture
SCPECG	1.3	D.3-EPDM	electronic pacemaker, demand mode
SCPECG	1.3	D.3-EPFC	electronic pacemaker, failure to capture
SCPECG	1.3	D.3-EPFS	electronic pacemaker, failure to sense
SCPECG	1.3	D.3-EPVC	electronic pacemaker, ventricular capture
SCPECG	1.3	D.3-PAVA	electronic ventricular pacing with atrial sensing
SCPECG	1.3	D.3-ENTBL	entrance block
SCPECG	1.3	D.3-EPI	epicardial injury
SCPECG	1.3	D.3-ESCUN	escape complex, origin unknown
SCPECG	1.3	D.3-EXIBL	exit block
SCPECG	1.3	D.3-EBRAD	extreme bradycardia
SCPECG	1.3	D.3-ETACH	extreme tachycardia
SCPECG	1.3	D.3-FAULT	faulty lead
SCPECG	1.3	D.3-1AVB	first degree AV block
SCPECG	1.3	D.3-FCOUP	fixed coupling interval
SCPECG	1.3	D.3-FUSC	fusion complex(es)
SCPECG	1.3	D.3-HIGHT	high amplitude T-waves
SCPECG	1.3	D.3-HPVOL	high P-voltages
SCPECG	1.3	D.3-HVOLT	high QRS voltage
SCPECG	1.3	D.3-HVOLH	high QRS voltage in the horizontal leads
SCPECG	1.3	D.3-HVOLF	high QRS voltages in the frontal leads
SCPECG	1.3	D.3-HTVOL	high T-voltages
SCPECG	1.3	D.3-HLMI	high-lateral myocardial infarction
SCPECG	1.3	D.3-AXHOR	horizontal axis in frontal plane
SCPECG	1.3	D.3-IDIOR	idioventricular rhythm
SCPECG	1.3	D.3-ILBBB	incomplete left bundle branch block
SCPECG	1.3	D.3-INCAN	incomplete or no analysis (by the program)
SCPECG	1.3	D.3-IRBBB	incomplete right bundle branch block
SCPECG	1.3	D.3-PINFO	inconsistent or erroneous patient demographic data
SCPECG	1.3	D.3-IMI	inferior myocardial infarction
SCPECG	1.3	D.3-ILMI	inferolateral myocardial infarction
SCPECG	1.3	D.3-IPMI	inferoposterior myocardial infarction
SCPECG	1.3	D.3-IPLMI	inferoposterolateral myocardial infarction
SCPECG	1.3	D.3-SIMUL	input is from simulator or test pattern
SCPECG	1.3	D.3-I2AVB	intermittent second degree AV block
SCPECG	1.3	D.3-CLIN	interpret with clinical data
SCPECG	1.3	D.3-IACD	intra-atrial conduction delay
SCPECG	1.3	D.3-IVCD>	intraventricular conduction disturbance (QRS>120 ms)
SCPECG	1.3	D.3-INVT	inverted T-waves
SCPECG	1.3	D.3-IRREG	irregular rhythm

SCPECG	1.3	D.3-IVR	irregular ventricular response
SCPECG	1.3	D.3-ISC	Ischemic
SCPECG	1.3	D.3-JBRAD	junctional bradycardia
SCPECG	1.3	D.3-JEC	junctional escape complex(es)
SCPECG	1.3	D.3-JESCR	junctional escape rhythm
SCPECG	1.3	D.3-JPC	junctional premature complex(es)
SCPECG	1.3	D.3-JRHYT	junctional rhythm
SCPECG	1.3	D.3-STDJ	junctional ST depression
SCPECG	1.3	D.3-JTACH	junctional tachycardia
SCPECG	1.3	D.3-JUV	juvenile T waves
SCPECG	1.3	D.3-LMI	lateral myocardial infarction
SCPECG	1.3	D.3-LMISP	lead misplacement
SCPECG	1.3	D.3-LAFB	left anterior fascicular block
SCPECG	1.3	D.3-LAE	left atrial enlargement
SCPECG	1.3	D.3-LAO	left atrial overload
SCPECG	1.3	D.3-LAR	left atrial rhythm
SCPECG	1.3	D.3-LAD	left axis deviation of QRS in frontal plane (< -30)
SCPECG	1.3	D.3-LPFB	left posterior fascicular block
SCPECG	1.3	D.3-LVH	left ventricular hypertrophy
SCPECG	1.3	D.3-AXL	leftward axis
SCPECG	1.3	D.3-DSLIM	limb leads double standard calibration
SCPECG	1.3	D.3-HSLIM	limb leads half standard calibration
SCPECG	1.3	D.3-LNGQT	long QT-interval
SCPECG	1.3	D.3-LRR	long R-R interval measured
SCPECG	1.3	D.3-LOWT	low amplitude T-waves
SCPECG	1.3	D.3-LVOLT	low QRS voltages in the frontal and horizontal leads
SCPECG	1.3	D.3-LVOLH	low QRS voltages in the horizontal leads
SCPECG	1.3	D.3-RAR	low right atrial rhythm
SCPECG	1.3	D.3-LVOLF	low voltage in frontal leads
SCPECG	1.3	D.3-LGL	Lown-Ganong-Levine syndrome
SCPECG	1.3	D.3-PACEM	malfunctioning artificial pacemaker
SCPECG	1.3	D.3-MAPCS	MAPCS multiple atrial premature complexes
SCPECG	1.3	D.3-MSAR	marked sinus arrhythmia
SCPECG	1.3	D.3-CRIMI	minimal criteria for
SCPECG	1.3	D.3-IVCD<	minor intraventricular conduction disturbance (QRS<120ms)
SCPECG	1.3	D.3-NODAT	missing or no data
SCPECG	1.3	D.3-MOBI2	Mobitz type 2 second degree AV block
SCPECG	1.3	D.3-CRIMO	moderate criteria for
SCPECG	1.3	D.3-MAR	multifocal atrial rhythm
SCPECG	1.3	D.3-MFAT	multifocal atrial tachycardia

SCPECG	1.3	D.3-MTACH	multifocal tachycardia
SCPECG	1.3	D.3-MICS	multiple interpolated complexes
SCPECG	1.3	D.3-MJPCS	multiple junctional premature complexes
SCPECG	1.3	D.3-MVPCS	multiple premature ventricular complexes
SCPECG	1.3	D.3-MVICS	multiple ventricular interpolated complexes
SCPECG	1.3	D.3-MI	myocardial infarction
SCPECG	1.3	D.3-NQTAC	narrow QRS tachycardia
SCPECG	1.3	D.3-NODRH	nodal rhythm
SCPECG	1.3	D.3-NOISE	noisy recording
SCPECG	1.3	D.3-NDT	non-diagnostic T abnormalities
SCPECG	1.3	D.3-IVCD	non-specific intraventricular conduction disturban
SCPECG	1.3	D.3-NSPEP	non-specific P wave abnormalities
SCPECG	1.3	D.3-NST	non-specific ST changes
SCPECG	1.3	D.3-STD	non-specific ST depression
SCPECG	1.3	D.3-STE	non-specific ST elevation
SCPECG	1.3	D.3-NT	non-specific T-wave changes
SCPECG	1.3	D.3-NSCAL	non-standard calibration
SCPECG	1.3	D.3-NSVT	non-sustained ventricular tachycardia
SCPECG	1.3	D.3-NORM	normal ECG
SCPECG	1.3	D.3-NFA	normal for age
SCPECG	1.3	D.3-NFB	normal for build
SCPECG	1.3	D.3-PACE	normal functioning artificial pacemaker
SCPECG	1.3	D.3-NLP	normal P wave
SCPECG	1.3	D.3-NLQRS	normal QRS
SCPECG	1.3	D.3-NSR	normal sinus rhythm
SCPECG	1.3	D.3-NLSTT	normal ST-T
SCPECG	1.3	D.3-TNOR	normal T-wave variations
SCPECG	1.3	D.3-STNOR	normal variant
SCPECG	1.3	D.3-OCAP	occasional capture
SCPECG	1.3	D.3-ONPAC	occasional non-paced complexes
SCPECG	1.3	D.3-OVPAC	occasional ventricular paced complexes
SCPECG	1.3	D.3-ORTCO	orthograde conduction
SCPECG	1.3	D.3-PAPCS	paired atrial premature complexes
SCPECG	1.3	D.3-PJPCS	paired junctional premature complexes
SCPECG	1.3	D.3-PPVCS	paired ventricular premature complexes
SCPECG	1.3	D.3-PVPCS	paired ventricular premature complexes
SCPECG	1.3	D.3-PAT	paroxysmal atrial tachycardia
SCPECG	1.3	D.3-PSVT	paroxysmal supraventricular tachycardia
SCPECG	1.3	D.3-PED	pediatric interpretation
SCPECG	1.3	D.3-QCERR	poor data quality, interpretation may be adversely affected

SCPECG	1.3	D.3-POORR	poor R-wave progression in precordial leads
SCPECG	1.3	D.3-POSAB	possibly abnormal ECG
SCPECG	1.3	D.3-METAB	possibly due to metabolic changes
SCPECG	1.3	D.3-MEASE	possibly measurement error
SCPECG	1.3	D.3-POSNL	possibly normal ECG
SCPECG	1.3	D.3-PMI	posterior myocardial infarction
SCPECG	1.3	D.3-STPVC	post-extrasystolic T-wave changes
SCPECG	1.3	D.3-POSTO	post-operative changes
SCPECG	1.3	D.3-DSPRE	precordial leads double standard calibration
SCPECG	1.3	D.3-HSPRE	precordial leads half standard calibration
SCPECG	1.3	D.3-PREEX	pre-excitation
SCPECG	1.3	D.3-PRC	premature complex(es)
SCPECG	1.3	D.3-PRANT	prominent anterior forces
SCPECG	1.3	D.3-PROMR	prominent R waves in right precordial leads
SCPECG	1.3	D.3-PE	pulmonary emphysema
SCPECG	1.3	D.3-QWAVE	Q waves present
SCPECG	1.3	D.3-AXIND	QRS axis indeterminate
SCPECG	1.3	D.3-RVR	rapid ventricular response
SCPECG	1.3	D.3-RATE	rate, not specified ventricular or atrial
SCPECG	1.3	D.3-RECIP	reciprocal or re-entrant impulse
SCPECG	1.3	D.3-RST	reciprocal ST-T changes
SCPECG	1.3	D.3-RENTR	re-entry phenomenon
SCPECG	1.3	D.3-REGRH	regular rhythm
SCPECG	1.3	D.3-ACET	related to pacemaker activity
SCPECG	1.3	D.3-RETCO	retrograde conduction
SCPECG	1.3	D.3-AECHO	return of impulse to its chamber of origin: the atrium
SCPECG	1.3	D.3-VECHO	return of impulse to its chamber of origin: the ventricle
SCPECG	1.3	D.3-STPAC	review ST-T analysis for the effects of pacing
SCPECG	1.3	D.3-RHY	rhythm
SCPECG	1.3	D.3-RAE	right atrial enlargement
SCPECG	1.3	D.3-RAO	right atrial overload
SCPECG	1.3	D.3-RAD	right axis deviation of QRS in frontal plane (> +90)
SCPECG	1.3	D.3-RVD	right ventricular dominance
SCPECG	1.3	D.3-RVH	right ventricular hypertrophy
SCPECG	1.3	D.3-AXR	rightward axis
SCPECG	1.3	D.3-RSR1	rSr' type in V1 or V2
SCPECG	1.3	D.3-RAPCS	run of atrial premature complexes
SCPECG	1.3	D.3-RATAC	run of atrial tachycardia
SCPECG	1.3	D.3-RJPCS	run of junctional premature complexes
SCPECG	1.3	D.3-RJTAC	run of junctional tachycardia

SCPECG	1.3	D.3-RPVCS	run of ventricular premature complexes
SCPECG	1.3	D.3-RVPCS	run of ventricular premature complexes
SCPECG	1.3	D.3-RVTAC	run of ventricular tachycardia
SCPECG	1.3	D.3-S1S23	S1 S2 S3 type QRS pattern
SCPECG	1.3	D.3-2AVB	second degree AV block
SCPECG	1.3	D.3-CONG	secondary to congenital heart disease
SCPECG	1.3	D.3-RESP	secondary to respiratory disease
SCPECG	1.3	D.3-VALV	secondary to valvular heart disease
SCPECG	1.3	D.3-SEHYP	septal hypertrophy
SCPECG	1.3	D.3-SHTPR	Short PR-interval.
SCPECG	1.3	D.3-SHTQT	short QT-interval
SCPECG	1.3	D.3-SABLK	sino-atrial block
SCPECG	1.3	D.3-SAR	sinus arrest
SCPECG	1.3	D.3-SARA	sinus arrest with atrial escape
SCPECG	1.3	D.3-SARJ	sinus arrest with junctional escape
SCPECG	1.3	D.3-SARSV	sinus arrest with supraventricular escape
SCPECG	1.3	D.3-SARV	sinus arrest with ventricular escape
SCPECG	1.3	D.3-SARRH	sinus arrhythmia
SCPECG	1.3	D.3-SBRAD	sinus bradycardia
SCPECG	1.3	D.3-SPAUS	sinus pause
SCPECG	1.3	D.3-SR	sinus rhythm
SCPECG	1.3	D.3-STACH	sinus tachycardia
SCPECG	1.3	D.3-SVR	slow ventricular response
SCPECG	1.3	D.3-STVAG	ST-elevation V1-V3 possibly due to enhanced vagal tone
SCPECG	1.3	D.3-STT	ST-T change
SCPECG	1.3	D.3-REPOL	ST-T changes compatible with early repolarization
SCPECG	1.3	D.3-PERIC	ST-T changes compatible with pericarditis
SCPECG	1.3	D.3-ANEUR	ST-T changes compatible with ventricular aneurysm
SCPECG	1.3	D.3-QUIN	ST-T changes due to quinidine-effect
SCPECG	1.3	D.3-INJ	subendocardial injury
SCPECG	1.3	D.3-MYOIN	suggests myocardial infarction, no location specified
SCPECG	1.3	D.3-SVARR	supraventricular arrhythmia
SCPECG	1.3	D.3-SVBIG	supraventricular bigeminy
SCPECG	1.3	D.3-SVBRA	supraventricular bradycardia
SCPECG	1.3	D.3-SVEC	supraventricular escape complex(es)
SCPECG	1.3	D.3-SVIC	supraventricular interpolated complex(es)
SCPECG	1.3	D.3-SVPC	supraventricular premature complex
SCPECG	1.3	D.3-SVRHY	supraventricular rhythm
SCPECG	1.3	D.3-SVTAC	supraventricular tachycardia

SCPECG	1.3	D.3-SVTRI	supraventricular trigeminy
SCPECG	1.3	D.3-ARMRE	suspect arm leads reversed
SCPECG	1.3	D.3-SVT	sustained ventricular tachycardia
SCPECG	1.3	D.3-TACHO	tachycardia, origin unknown or not specified
SCPECG	1.3	D.3-3AVB	third degree AV block
SCPECG	1.3	D.3-TORSA	torsade des pointes ventricular tachycardia
SCPECG	1.3	D.3-TRSLT	transition in horizontal leads shifted leftward
SCPECG	1.3	D.3-TRSRT	transition in horizontal leads shifted rightward
SCPECG	1.3	D.3-TRNZL	Transition zone in precordial leads displaced to left
SCPECG	1.3	D.3-TRNZR	Transition zone in precordial leads displaced to right
SCPECG	1.3	D.3-TRFAS	trifascicular block
SCPECG	1.3	D.3-TRIGU	trigeminal pattern
SCPECG	1.3	D.3-TAB	T-wave abnormality
SCPECG	1.3	D.3-UNRHY	undetermined rhythm
SCPECG	1.3	D.3-EPU	unipolar electronic pacemaker
SCPECG	1.3	D.3-EPURV	unipolar electronic pacemaker at the apex of the right ventricle
SCPECG	1.3	D.3-BBB	unspecified bundle branch block
SCPECG	1.3	D.3-BLOCK	unspecified delay or failure of impulse propagation
SCPECG	1.3	D.3-UFB	unusual for build
SCPECG	1.3	D.3-UNPAX	unusual P-axis
SCPECG	1.3	D.3-VARBL	variable block
SCPECG	1.3	D.3-VARCO	variable conduction
SCPECG	1.3	D.3-VCOUP	variable coupling interval
SCPECG	1.3	D.3-PAVAT	VAT pacemaker
SCPECG	1.3	D.3-PAVDD	VDD pacemaker
SCPECG	1.3	D.3-VBIG	ventricular bigeminy
SCPECG	1.3	D.3-VEC	ventricular escape complex(es)
SCPECG	1.3	D.3-VESCR	ventricular escape rhythm
SCPECG	1.3	D.3-VFIB	ventricular fibrillation
SCPECG	1.3	D.3-VFLT	ventricular flutter
SCPECG	1.3	D.3-VIC	ventricular interpolated complexes
SCPECG	1.3	D.3-VPARA	ventricular parasystole
SCPECG	1.3	D.3-VPC	ventricular premature complex
SCPECG	1.3	D.3-PVC	ventricular premature complex
SCPECG	1.3	D.3-VQUAG	ventricular quadrigeminy
SCPECG	1.3	D.3-VRATE	ventricular rate
SCPECG	1.3	D.3-VRHYT	ventricular rhythm
SCPECG	1.3	D.3-VTACH	ventricular tachycardia
SCPECG	1.3	D.3-VTRIG	ventricular trigeminy

SCPECG	1.3	D.3-VABL	ventriculo-atrial block
SCPECG	1.3	D.3-VCLVH	voltage criteria (QRS) for left ventricular hypertrophy
SCPECG	1.3	D.3-VCRVH	voltage criteria (QRS) for right ventricular hypertrophy
SCPECG	1.3	D.3-PAVVI	VVI pacemaker
SCPECG	1.3	D.3-WANDP	wandering pacemaker
SCPECG	1.3	D.3-WENCK	Wenckebach phenomenon
SCPECG	1.3	D.3-WQTAC	wide QRS tachycardia
SCPECG	1.3	D.3-WRV	wide rate variation
SCPECG	1.3	D.3-WPWA	Wolf-Parkinson type A
SCPECG	1.3	D.3-WPWB	Wolf-Parkinson type B
SCPECG	1.3	D.3-WPW	Wolf-Parkinson-White syndrome

CID 3687 Electrophysiology Waveform Durations

Context ID 3687
Electrophysiology Waveform Durations
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
SCPECG	1.3	5.13.5-5	P Duration
SCPECG	1.3	5.13.5-7	PR Interval
SCPECG	1.3	5.13.5-9	QRS Duration
SCPECG	1.3	5.13.5-11	QT Interval
SCPECG	1.3	5.13.5-13	Q Duration
SCPECG	1.3	5.13.5-15	R Duration
SCPECG	1.3	5.13.5-17	S Duration
SCPECG	1.3	5.13.5-19	R' Duration
SCPECG	1.3	5.13.5-21	S' Duration
SCPECG	1.3	5.13.5-49	Isoelectric Segment duration at the onset of QRS
SCPECG	1.3	5.13.5-51	Isoelectric Segment duration at the end of QRS
SCPECG	1.3	5.13.5-53	Intrisicoid Deflection duration

CID 3688 Electrophysiology Waveform Voltages

Context ID 3688
Electrophysiology Waveform Voltages
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning

Designator	Version		
SCPECG	1.3	5.13.5-23	Q Amplitude
SCPECG	1.3	5.13.5-25	R Amplitude
SCPECG	1.3	5.13.5-27	S Amplitude
SCPECG	1.3	5.13.5-29	R' Amplitude
SCPECG	1.3	5.13.5-31	S' Amplitude
SCPECG	1.3	5.13.5-33	J Point Amplitude
SCPECG	1.3	5.13.5-35	P(+) Amplitude
SCPECG	1.3	5.13.5-37	P(-) Amplitude
SCPECG	1.3	5.13.5-39	T(+) Amplitude
SCPECG	1.3	5.13.5-41	T(-) Amplitude
SCPECG	1.3	5.13.5-57	ST Amplitude at the J-Point plus 20 ms
SCPECG	1.3	5.13.5-59	ST Amplitude at the J-Point plus 60 ms
SCPECG	1.3	5.13.5-61	ST Amplitude at the J-Point plus 80 ms
SCPECG	1.3	5.13.5-63	Amplitude at the J-Point plus 1/16 average R-R
SCPECG	1.3	5.13.5-65	Amplitude at the J-Point plus 1/8 average R-R

CID 3700 Cath Diagnosis

Context ID 3700
Cath Diagnosis
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-13000	Coronary artery disease
SRT	D3-15100	Acute myocardial infarction
SRT	F-37012	Atypical chest pain
SRT	D3-13020	Stable Angina
SRT	D3-12400	Atypical Angina, Variant Angina
SRT	D3-12700	Unstable Angina, Progressive Angina
SRT	D3-13014	Post-infarction angina
SRT	R-00368	Recurrent angina Post-PTCA
SRT	R-00367	Recurrent angina Post-DCA
SRT	R-00369	Recurrent angina Post-Rotational Atherectomy
SRT	R-00366	Recurrent angina Post-Stent
SRT	R-00365	Recurrent angina Post-CABG
SRT	D3-16010	Congestive heart failure
SRT	D2-61100	Pulmonary edema
SRT	D3-00200	cardiogenic shock
SRT	R-002CB	Acute ventricular septal rupture

SRT	D3-29010	Mitral valve disease
SRT	D3-29011	Mitral stenosis
SRT	D3-29012	Mitral regurgitation
SRT	D3-29096	Acute mitral regurgitation
SRT	D3-13021	Silent ischemia
SRT	R-00336	s/p MI positive stress for ischemia
SRT	D3-26000	Myocarditis
SRT	D3-28012	Subacute bacterial endocarditis
SRT	D3-2906A	Idiopathic hypertrophic subaortic stenosis
SRT	D3-40300	Pulmonary hypertension
SRT	D3-29040	Tricuspid valve disease
SRT	D3-29042	Tricuspid regurgitation
SRT	D3-29013	Mitral valve prolapse
SRT	D3-31700	Ventricular tachycardia
SRT	D3-31720	Ventricular fibrillation
SRT	D3-21000	Congestive cardiomyopathy
SRT	D3-02500	Hypertensive heart disease
SRT	D3-22100	Restrictive cardiomyopathy
SRT	D3-90000	Pericardial disease
SRT	D3-90100	Pericardial tamponade
SRT	D3-29020	Aortic valve disease
SRT	D3-29021	Aortic stenosis
SRT	D3-29025	Aortic insufficiency
SRT	D4-31220	Atrial septal defect
SRT	D3-80016	Aortic dissection
SRT	D3-29050	Pulmonic valve disease
SRT	D4-31159	Ventricular septal defect
SRT	D3-83300	Aortic aneurysm
SRT	R-10042	Arhythmia Evaluation
SRT	D3-31520	Atrial fibrillation
SRT	D4-31000	heart disease, congenital
SRT	D3-91030	Constrictive pericarditis

CID 3701 Cardiac Valves and Tracts

Context ID 3701
Cardiac Valves and Tracts
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-35300	Mitral Valve

SRT	T-35400	Aortic Valve
SRT	T-35100	Tricuspid valve
SRT	T-35200	Pulmonary valve
SRT	T-32650	Left ventricle outflow tract

CID 3703 Wall Motion

Context ID 3703
Wall Motion
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00378	Not Evaluated
SRT	R-41198	Unknown
DCM	122288	Not visualized
SRT	R-00344	Normal wall motion
SRT	R-0030D	Hyperkinetic region
SRT	R-4041B	Hypokinesis
SRT	F-32056	Mild Hypokinesis
SRT	R-0032F	Moderate Hypokinesis
SRT	R-00370	Severe Hypokinesis
SRT	F-30004	Akinesis
SRT	F-32052	Dyskinesis

CID 3704 Myocardium Wall Morphology Findings

Context ID 3704
Myocardium Wall Morphology Findings
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122112	Normal Myocardium
SRT	D3-10510	Ventricular Aneurysm
DCM	122113	Scarred Myocardium
DCM	122114	Thinning Myocardium

CID 3705 Chamber Size

Context ID 3705
Chamber Size

- Standard -

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00343	Normal size cardiac chamber
SRT	R-002C6	Abnormally small cardiac chamber
SRT	R-0032A	Mildly Enlarged cardiac chamber
SRT	R-00331	Moderately Enlarged cardiac chamber
SRT	R-00316	Markedly Enlarged cardiac chamber

CID 3706 Overall Contractility

Context ID 3706
Overall Contractility
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00341	Normal wall contractility
SRT	R-00398	Hyperkinesis
SRT	R-4041B	Hypokinesis
SRT	F-30004	Akinesis

CID 3707 VSD Description

Context ID 3707
VSD Description
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	D4-31154	Membranous
SRT	R-0033B	Non-restrictive
SRT	D4-31166	Restrictive
SRT	R-40775	None

CID 3709 Aortic Root Description

Context ID 3709
Aortic Root Description
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning

SRT	R-0033C	Normal Aortic Root
SRT	R-00301	Enlarged Aortic Root
SRT	R-002CD	Aneurysm of Aortic Root
SRT	R-002D1	Annular Abscess of Aortic Root
SRT	R-003A1	Post Stenotic Dilation
SRT	D3-83660	Ruptured Sinus of Valsalva

CID 3710 Coronary Dominance

Context ID 3710
Coronary Dominance
Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	68-1	Left Coronary Dominance
NCDR	2.0b	68-2	Right Coronary Dominance
NCDR	2.0b	68-3	Mixed Coronary Dominance

CID 3711 Valvular Abnormalities

Context ID 3711
Valvular Abnormalities
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	D3-29001	Stenosis
SRT	F-32400	Regurgitation
SRT	R-0030B	Calcified Heart Valve
SRT	R-0030F	Immobile Heart Valve
SRT	R-00305	Heart Valve Flail
SRT	D3-28005	Valvular endocarditis

CID 3712 Vessel Descriptors

Context ID 3712
Vessel Descriptors
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-00389	Ulcerated
SRT	R-0036B	Restenotic
SRT	R-002E2	Bifurcation
SRT	R-002EF	Culprit
SRT	R-002CE	Aneurysmal
SRT	R-002FC	Diffuse Disease
SRT	R-00314	Luminal Irregularities
SRT	R-411C5	Muscle Bridge
SRT	R-10050	Stenotic
SRT	R-10051	Ectatic
SRT	G-A264	Calcified
SRT	M-35100	Thrombus
SRT	R-10048	Tortuous
SRT	R-10049	Stented

CID 3713 TIMI Flow Characteristics

Context ID 3713
TIMI Flow Characteristics
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	R-0037E	0: No Perfusion	106-0, 107-0
SRT	R-0037F	1: Penetration without Perfusion	106-1, 107-1
SRT	R-00381	2: Partial Perfusion	106-2, 107-2
SRT	R-00382	3: Complete Perfusion	106-3, 107-3

CID 3714 Thrombus

Context ID 3714
Thrombus
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-0033A	No Thrombus
SRT	R-00356	Possible Thrombus
SRT	R-002F1	Definite Thrombus
SRT	R-00371	Severe Thrombus

CID 3715 Lesion Margin

Context ID 3715
Lesion Margin
Type: Extensible Version: 20050614

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A545	Smooth
SRT	G-A402	Irregular
SRT	R-00335	Multiple Irregularities
SRT	R-403CC	Ulcerative

CID 3716 Severity

Context ID 3716
Severity
Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-40775	None
SRT	R-404FA	Mild
SRT	R-00329	Mild to Moderate
SRT	G-A002	Moderate
SRT	R-00330	Moderate to Severe
SRT	G-A003	Severe
SRT	R-4099D	Fatal

CID 3717 Myocardial Wall Segments

This 17-segment model of left ventricular myocardial wall segments uses the terminology specified in " AHA Scientific Statement: Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart"(see Section 2 Normative references).

Context ID 3717
Myocardial Wall Segments
Type: Non-Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-32619	left ventricle basal anterior segment
SRT	R-10075	left ventricle basal anteroseptal segment

SRT	R-10076	left ventricle basal inferoseptal segment
SRT	T-32615	left ventricle basal inferior segment
SRT	R-10079	left ventricle basal inferolateral segment
SRT	R-1007A	left ventricle basal anterolateral segment
SRT	T-32617	left ventricle mid anterior segment
SRT	R-10077	left ventricle mid anteroseptal segment
SRT	R-10078	left ventricle mid inferoseptal segment
SRT	T-32616	left ventricle mid inferior segment
SRT	R-1007B	left ventricle mid inferolateral segment
SRT	R-1007C	left ventricle mid anterolateral segment
SRT	T-32613	left ventricle apical anterior segment
SRT	T-32614	left ventricle apical septal segment
SRT	T-32618	left ventricle apical inferior segment
SRT	T-3261C	left ventricle apical lateral segment
SRT	T-32602	apex of left ventricle

CID 3718 Myocardial Wall Segments in Projection

This context group specifies the left ventricular myocardial wall segments as seen in typical right anterior oblique (RAO) and left anterior oblique (LAO) angiographic projections.

Context ID 3718
Myocardial Wall Segments in Projection
Type: Extensible Version: 20030614

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-32619	left ventricle basal anterior segment
SRT	T-32634	myocardium of anterolateral region
SRT	T-32636	myocardium of apex of heart
SRT	T-32632	myocardium of diaphragmatic region
SRT	T-32615	left ventricle basal inferior segment
SRT	T-32603	left ventricle basal lateral segment
SRT	T-32633	myocardium of posterolateral region
SRT	T-32637	myocardium of inferolateral region
SRT	T-32614	left ventricle apical septal segment
SRT	T-32601	left ventricular basal septal segment
SRT	R-101C0	left ventricular posterobasal segment

CID 3719 Canadian Clinical Classification

Context ID 3719
Canadian Clinical Classification
Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	F-A265A	Chest pain not present	50-0
SRT	D3-12001	Angina Class I	50-I
SRT	D3-12002	Angina Class II	50-II
SRT	D3-12003	Angina Class III	50-IIII
SRT	D3-12004	Angina Class IV	50-IV

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3720 Cardiac History Dates (Retired)

This Context Group is retired. See PS3.16-2007.

CID 3721 Cardiovascular Surgeries

Context ID 3721
Cardiovascular Surgeries

Type: Extensible Version: 20081027

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	R-102B4	Percutaneous coronary intervention	40
SRT	P1-3301A	Coronary artery bypass graft	42
SRT	P1-32000	Operation on heart valve	44
SRT	P1-31C03	Ablation operation for arrhythmia	
SRT	P0-004BA	Implantation of cardiac pacemaker	
SRT	P1-3157D	Implantation of automatic cardiac defibrillator	
SRT	P1-0555A	Abdominal aortic aneurysm stenting	
SRT	P1-31D00	Heart transplant	
SRT	P1-080B4	Correction of congenital cardiovascular deformity	

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3722 Diabetic Therapy

Context ID 3722
Diabetic Therapy
Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	P2-0001E	Dietary Treatment	31-1
SRT	F-02F15	Oral Treatment	31-2
SRT	P0-00075	Insulin Regime	31-3

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3723 MI Types

Context ID 3723
MI Types
Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	D3-1511A	Non ST Elevation Myocardial Infarction	94-1
SRT	D3-15119	ST Elevation Myocardial Infarction	94-2

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3724 Smoking History

Context ID 3724
Smoking History
Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	F-9321F	No History of Smoking	38-0
SRT	S-32000	Current Smoker	38-1

SRT	S-32070	Former Smoker	38-2

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3726 Indications for Coronary Intervention

Context ID 3726
Indications for Coronary Intervention
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
DCM	122171	Coronary lesion >= 50% stenosis	
SRT	D3-00200	Cardiogenic Shock	123

CID 3727 Indications for Catheterization

Context ID 3727
Indications for Catheterization

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	79	cardiogenic shock
NCDR	2.0b	80	valvular heart disease
NCDR	2.0b	81	Arrhythmia
NCDR	2.0b	82	ischemic heart disease
NCDR	2.0b	83	positive functional tests
NCDR	2.0b	84.1	heart disease - transplant
NCDR	2.0b	84.2	heart disease - congenital
NCDR	2.0b	84.3	heart disease - cardiomyopathy
NCDR	2.0b	84.4	heart disease of other etiology

CID 3728 Cath Findings

Context ID 3728
Cath Findings

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning

Designator		
SRT	R-0033F	Normal left heart hemodynamics
SRT	R-00342	Normal right heart hemodynamics
SRT	R-0033E	Normal left and right heart hemodynamics
SRT	R-00340	Normal left ventricular systolic function and wall motion
SRT	R-0033D	Normal coronary arteries
SRT	R-00328	Mild intimal coronary irregularities, no significant stenoses
SRT	R-00374	Single vessel coronary artery disease.
SRT	R-002FE	Double vessel coronary artery disease.
SRT	R-00386	Triple vessel coronary artery disease.
SRT	R-00334	Multi vessel coronary artery disease.
SRT	R-00313	Left main coronary artery disease
SRT	R-00372	Significant coronary bypass graft disease
SRT	D3-29021	Aortic stenosis
SRT	D3-29025	Aortic insufficiency
SRT	D3-29011	Mitral stenosis
SRT	D3-29012	Mitral regurgitation
SRT	R-002F3	Depression of left ventricular systolic function
SRT	R-002C8	Acute mitral regurgitation from chordal rupture
SRT	R-002C7	Acute mitral regurgitation from chordal dysfunction
SRT	R-002CA	Acute mitral regurgitation from papillary muscle rupture
SRT	R-002C9	Acute mitral regurgitation from papillary muscle dysfunction
SRT	D3-29013	Mitral valve prolapse
SRT	D3-2100	Congestive cardiomyopathy
SRT	D3-23000	Hypertrophic cardiomyopathy with obstruction
SRT	D3-20003	Hypertrophic cardiomyopathy without obstruction
SRT	D3-02500	Hypertensive heart disease
SRT	D3-22100	Restrictive cardiomyopathy
SRT	D3-90100	Pericardial tamponade
SRT	D3-91030	Constrictive pericarditis
SRT	D3-40300	Pulmonary hypertension
SRT	D4-31220	Atrial septal defect
SRT	D4-31159	Ventricular septal defect
SRT	R-002CB	Acute ventricular septal rupture
SRT	D4-31000	heart disease - congenital

CID 3729 Admission Status

Context ID 3729
Admission Status

Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	P0-10010	Elective	17-1
SRT	P0-10800	Emergency Department	17-2
SRT	P0-10210	Transfer	17-3

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3730 Insurance Payor

Context ID 3730
Insurance Payor

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	18-1	Government
NCDR	2.0b	18-2	Commercial
NCDR	2.0b	18-3	Health Maintenance Organization
NCDR	2.0b	18-4	None

CID 3733 Primary Cause of Death

Context ID 3733
Primary Cause of Death

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	25-1	Cardiac
NCDR	2.0b	25-2	Neurologic
NCDR	2.0b	25-3	Renal
NCDR	2.0b	25-4	Vascular

NCDR	2.0b	25-5	Infection
NCDR	2.0b	25-6	Pulmonary
NCDR	2.0b	25-7	Valvular
NCDR	2.0b	25-8	Other

CID 3735 Acute Coronary Syndrome Time Period

Context ID 3735
Acute Coronary Syndrome Time Period

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	51-1	<= 6 hours
NCDR	2.0b	51-2	between 6 hours and 24 hours
NCDR	2.0b	51-3	between 24 hours and 7 days

CID 3736 NYHA Classification

Context ID 3736
NYHA Classification

Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR [2.0b] Equivalent
SRT	F-3018B	NYHA Class I	47-I
SRT	F-3018C	NYHA Class II	47-II
SRT	F-3018D	NYHA Class III	47-III
SRT	F-3018E	NYHA Class IV	47-IV

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3737 Non-Invasive Test - Ischemia

Context ID 3737
Non-Invasive Test - Ischemia

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning

NCDR	2.0b	48-1	Not Done
NCDR	2.0b	48-2	Positive
NCDR	2.0b	48-3	Negative
NCDR	2.0b	48-4	Equivocal
NCDR	2.0b	48-5	Arrhythmia

CID 3738 Pre-Cath Angina Type

Context ID 3738
Pre-Cath Angina Type

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	49-I	Atypical Chest Pain
NCDR	2.0b	49-II	Stable Angina
NCDR	2.0b	49-IIIa	Acute Coronary Syndrome: Unstable Angina
NCDR	2.0b	49-IIIb	Acute Coronary Syndrome: Non ST-Elevation Myocardial Infarction
NCDR	2.0b	49-IIIc	Acute Coronary Syndrome: ST-Elevation Myocardial Infarction

CID 3739 Cath Procedure Type

Context ID 3739
Cath Procedure Type

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	P1-31602	Catheterization of right heart	54-1
SRT	P1-31604	Catheterization of left heart	54-2
SRT	P1-3160A	Catheterization of both left and right heart with graft	
SRT	P1-3160B	Catheterization of both left and right heart without graft	
DCM	122061	Percutaneous Coronary Intervention	54-3

CID 3740 Thrombolytic Administration

Context ID 3740
Thrombolytic Administration
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	R-0037D	Contraindicated	57-1
SRT	R-0037C	Administered less than 3 hours before PCI	57-2
SRT	R-0037A	Administered between 3 and 6 hours before PCI	57-3
SRT	R-0037B	Administered between 6 hours and 7 days before PCI	57-4

CID 3741 Medication Administration, Lab Visit

Context ID 3741
Medication Administration, Lab Visit

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	R-00321	Contraindicated	58-1
SRT	R-0031B	Administered before lab visit	58-2
SRT	R-0031C	Administered during lab visit	58-3
SRT	R-0031A	Administered after lab visit	58-4

CID 3742 Medication Administration, PCI

Context ID 3742
Medication Administration, PCI

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	R-00320	Not Administered	
SRT	R-00321	Contraindicated	59-1
SRT	R-0031F	Administered Prior to Percutaneous Coronary Intervention	59-2
SRT	R-0039A	Administered During Percutaneous Coronary Intervention	59-3

SRT	R-00399	Administered After Percutaneous Coronary Intervention	59-4

CID 3743 Clopidogrel/Ticlopidine Administration

Context ID 3743
Clopidogrel/Ticlopidine Administration

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning	NCDR Equivalent
SRT	R-00320	Not Administered	60-1
SRT	R-00321	Contraindicated	60-2
SRT	R-0031E	Administered Less than 72 Hours before PCI	60-3
SRT	R-00399	Administered After Percutaneous Coronary Intervention	60-4

CID 3744 EF Testing Method

Context ID 3744
EF Testing Method

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
SRT	P5-3003A	Cardiac ventriculography
SRT	P5-D3300	Radionuclide ventriculography
SRT	P5-B3081	Adult echocardiography

CID 3745 Calculation Method

Context ID 3745
Calculation Method

Type: Extensible Version: 20050110

Coding Scheme Designator	Code Value	Code Meaning
SRT	R-10260	Estimated
SRT	R-41D2D	Calculated

CID 3746 Percutaneous Entry

Context ID 3746
Percutaneous Entry Site

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	74-1	Percutaneous entry made via femoral artery
NCDR	2.0b	74-2	Percutaneous entry made via brachial artery
NCDR	2.0b	74-3	Percutaneous entry made via radial artery
NCDR	2.0b	74-4	Percutaneous entry made via other artery
NCDR	2.0b	74-5	Percutaneous entry made via venous access

CID 3747 Percutaneous Closure

Context ID 3747
Percutaneous Closure

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	75-0	No closure device used at percutaneous entry
NCDR	2.0b	75-1	Percutaneous entry closed by suture
NCDR	2.0b	75-2	Percutaneous entry closed by sealant
NCDR	2.0b	75-3	Percutaneous entry closed by other mechanism

CID 3748 Angiographic EF Testing Method

Context ID 3748
Angiographic EF Testing Method

Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122059	Single plane Angiography
DCM	122060	Bi-plane Angiography

CID 3749 PCI Procedure Result

Context ID 3749
PCI Procedure Result

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	100-1	Successful
NCDR	2.0b	100-2	Partially successful
NCDR	2.0b	100-3	Unsuccessful

CID 3750 Previously Dilated Lesion

Context ID 3750
Previously Dilated Lesion

Type: Extensible Version: 20030327

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	108-0	not previously treated
NCDR	2.0b	108-1	balloon only
NCDR	2.0b	108-2	stent only
NCDR	2.0b	108-3	other/any combination

CID 3752 Guidewire Crossing

Context ID 3752
Guidewire Crossing
Type: Extensible Version: 20030327

Coding Scheme Designator	Code Value	Code Meaning
DCM	122301	Guidewire crossing lesion unsuccessful
DCM	122302	Guidewire crossing lesion successful

CID 3754 Vascular Complications

Context ID 3754
Vascular Complications

Type: Extensible Version: 20050110

Coding Scheme Designator	Code Value	Code Meaning	NCDR 2.0b Equivalent Code Value
SRT	M-37000	Bleeding	127
SRT	D3-89100	Occlusion of artery	128
SRT	R-102B2	Loss of distal pulse	129
SRT	D3-81310	Arterial dissection	130
SRT	M-32390	Pseudoaneurysm	131
SRT	M-39390	AV Fistula	132

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3755 Cath Complications

Context ID 3755
Cath Complications

Type: Extensible Version: 20050110

Coding Scheme Designator	Code Value	Code Meaning	NCDR 2.0b Equivalent Code Value
SRT	D3-00200	Cardiogenic shock	123
SRT	D3-30000	Arrhythmia	124
SRT	D3-8900D	Cerebrovascular Accident or Stroke	125
SRT	D3-90100	Cardiac tamponade	126
SRT	DF-10781	Contrast media adverse reaction	133
SRT	D3-16010	Congestive heart failure	134
SRT	D7-11010	Renal failure	135
SRT	R-102B5	Emergency Percutaneous Coronary Intervention	136
SRT	R-102B3	Emergency Coronary Artery Bypass	137
SRT	D3-30800	Cardiac arrest	

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3756 Cardiac Patient Risk Factors

Context ID 3756
Cardiac Patient Risk Factors

Type: Extensible Version: 20070827

Coding Scheme Designator	Code Value	Code Meaning	NCDR 2.0b Equivalent Code Value
SRT	G-026D	History of congestive heart failure	30
SRT	G-023F	History of Diabetes	31
SRT	R-102B6	History of renal failure	32
SRT	R-102B7	History of chronic lung disease	33
SRT	G-0102	History of cerebrovascular disease	34
SRT	D3-8005B	Peripheral vascular disease	35
SRT	G-03AA	History of myocardial infarction	36
SRT	G-0269	History of Hypertension	37
SRT	R-102B8	History of hypercholesterolemia	39
SRT	D3-30000	Arrhythmia	

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3757 Cardiac Diagnostic Procedures

Context ID 3757
Cardiac Diagnostic Procedures
Type: Extensible Version: 20080324

Coding Scheme	Code Value	Code Meaning
SRT	P0-006E4	Exercise Tolerance Test
SRT	P5-D0050	Perfusion imaging (nuclear)
SRT	P5-B3009	Exercise Stress echo
SRT	P5-B3000	Echocardiography
SRT	P2-31107	Pharmacological stress test
SRT	P2-31011	Pharmacologic and exercise stress test
SRT	P2-3110B	Stress test using cardiac pacing
SRT	P1-31600	Cardiac catheterization
SRT	P5-09100	Magnetic resonance angiography
SRT	P5-08025	Cardiac CT

CID 3758 Cardiovascular Family History

Context ID 3758
Cardiovascular Family History
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	G-032F	Family history of cardiovascular disease
SRT	G-0157	Family history of diabetes mellitus
SRT	G-011E	Family history of myocardial infarction

CID 3760 Hypertension Therapy

Context ID 3760
Hypertension Therapy
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	C-80135	Beta blocker
SRT	C-80160	Calcium channel blocker
SRT	C-81520	Nitrate vasodilator
SRT	C-80150	ACE inhibitor
SRT	C-81300	Angiotensin II receptor antagonist
SRT	C-72000	Diuretic

CID 3761 Antilipemic agents

Context ID 3761
Antilipemic agents
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	C-80609	Anion exchange resin
SRT	C-80610	Bile acid sequestrant
SRT	C-80680	Fibrate
SRT	C-8060A	Fish oils
SRT	C-80800	Statins

CID 3762 Antiarrhythmic agents

Context ID 3762
Antiarrhythmic agents
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	F-6181B	class I antiarrhythmic agent
SRT	F-61861	class II antiarrhythmic agent
SRT	F-61995	class III antiarrhythmic agent
SRT	F-618AE	class IV antiarrhythmic agent

CID 3764 Myocardial Infarction Therapies

Context ID 3764
Myocardial Infarction Therapies
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	R-102B4	Percutaneous coronary intervention
SRT	P1-33530	Insertion of coronary artery stent
SRT	P1-3301A	Coronary artery bypass graft
SRT	P0-00C29	Thrombolytic therapy

CID 3769 Concern Types

Context ID 3769
Concern Types
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	F-04BA9	Complaint
SRT	DF-00000	Disease
SRT	R-005AE	Finding
SRT	R-005E0	Finding reported by patient/informant
SRT	F-03E55	Functional performance and activity
SRT	F-01000	Problem

CID 3770 Problem Status

Context ID 3770
Problem Status
Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning

SRT	R-42501	Active problem
SRT	G-A270	Chronic
SRT	G-A397	Intermittent
SRT	G-A39A	Recurrent
SRT	G-A47B	Suspected
SRT	R-42502	Inactive problem
SRT	F-04B88	Problem resolved
SRT	G-A46B	Known absent
SRT	P0-30450	Well controlled

CID 3772 Health Status

Context ID 3772
Health Status

Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	F-00001	Alive and well
SRT	F-029D4	In remission
SRT	R-209F6	Symptom free
SRT	F-0600C	Chronically ill
SRT	F-06001	Severely ill
SRT	F-00100	Disabled
SRT	F-0351E	Severely disabled
SRT	F-04DA1	Deceased

CID 3773 Use Status

Context ID 3773
Use Status

Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	G-D316	Ended
SRT	G-D30F	Suspended
SRT	G-D30B	In progress

CID 3774 Social History

Context ID 3774
Social History

Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	F-93109	Tobacco Smoking Behavior
SRT	F-931D4	Drug misuse behavior
SRT	R-40C16	Exercise
SRT	F-045CE	Nutrition
SRT	F-02573	Alcohol consumption

CID 3777 Implanted Devices

Context ID 3777
Implanted Devices

Type: Extensible Version: 20070827

Coding Scheme	Code Value	Code Meaning
SRT	A-11100	Cardiac pacemaker
SRT	A-11206	Implantable defibrillator
SRT	A-11FCD	Left ventricular assist device
SRT	A-28040	Insulin pump

CID 3778 Stages

Context ID 3778
Stages

Type: Extensible Version: 20081027

Coding Scheme	Code Value	Code Meaning
SRT	R-41177	Stage 0
SRT	R-41DA8	Stage 1
SRT	R-41DAC	Stage 2
SRT	R-41DB0	Stage 3
SRT	R-41DB4	Stage 4
SRT	R-4117B	Stage 5

CID 3802 Plaque Structures

Context ID 3802

Plaque Structures

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-40448	fibrous
SRT	M-50080	fatty degeneration
SRT	M-55420	pathologic calcification
SRT	M-72000	hyperplasia
SRT	G-A265	non-calcified
SRT	G-A660	mixed

CID 3804 Stenosis Measurement Methods

Context ID 3804

Stenosis Measurement Methods

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122655	NASCET
DCM	122656	ECST
DCM	122650	Area Based Method
DCM	122651	Diameter Based Method

CID 3805 Stenosis Types

Context ID 3805

Stenosis Types

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	D3-81100	arteriosclerotic vascular disease
SRT	M-01460	compression
SRT	R-40448	fibrous
SRT	D3-80505	Raynaud's disease
SRT	M-300F2	entrapment
SRT	D3-80650	vasculitis

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-423C3	thrombosis
SRT	M-35300	embolism
SRT	D3-80033	cystic adventitial disease

CID 3806 Stenosis Shape

Context ID 3806

Stenosis Shape

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-4047B	concentric
SRT	R-40416	eccentric

CID 3807 Volume Measurement Methods

Context ID 3807

Volume Measurement Methods

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122650	Area Based Method
DCM	122651	Diameter Based Method
DCM	122652	Volume Based Method

CID 3808 Aneurysm Types

Context ID 3808

Aneurysm Types

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-32270	dissecting aneurysm
SRT	D3-80017	inflammatory aneurysm

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-32201	ruptured aneurysm
SRT	M-24614	berry aneurysm
SRT	M-32240	mixed aneurysm
SRT	M-32410	racemose aneurysm
SRT	D3-80002	cirsoid aneurysm
SRT	M-32320	mycotic aneurysm
SRT	M-32206	compound aneurysm
SRT	M-32310	miliary aneurysm
SRT	M-32340	saccular aneurysm
SRT	M-32221	varicose aneurysm
SRT	M-32350	fusiform aneurysm
SRT	M-32210	traumatic aneurysm
SRT	M-32202	thrombosed aneurysm
SRT	M-32203	expanding aneurysm
SRT	M-32204	calcified aneurysm
SRT	M-32208	multiple aneurysm
SRT	M-32360	cylindroid aneurysm
SRT	M-32260	serpentine aneurysm

CID 3809 Associated Conditions

Context ID 3809

Associated Conditions

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	D6-90600	Marfan’s Syndrome
SRT	M-10000	Traumatic Abnormality

CID 3810 Vascular Morphology

Context ID 3810

Vascular Morphology

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-01470	plaque
SRT	M-34200	stenosis
SRT	M-32200	aneurysm
SRT	D3-81310	arterial dissection
SRT	A-25500	stent
SRT	M-34000	occlusion
SRT	M-39390	arteriovenous fistula
SRT	M-91200	angioma
SRT	M-32000	dilatation
SRT	R-FAB5E	vascular coiling
SRT	M-31790	tortuosity
SRT	M-32700	diverticulum
SRT	M-520F8	vascular sclerosis
SRT	D-80515	thrombosis
SRT	M-32390	pseudoaneurysm
SRT	M-35300	embolism
SRT	M-74880	fibromuscular dysplasia

CID 3813 Stent Findings

Context ID 3813

Stent Findings

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-75300	hypoplasia
SRT	M-34200	stenosis
DCM	122680	endoleak
SRT	DD-661D2	migration of implant or internal device
DCM	122684	stent disintegration
DCM	122683	stent fracture

CID 3814 Stent Composition

Context ID 3814

Stent Composition

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-25502	metal stent
SRT	A-25501	plastic stent

CID 3815 Source of Vascular Finding

Context Group 3815

Source of Vascular Finding

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	D3-80515	thrombosis
SRT	M-35300	embolism
SRT	M-72000	hyperplasia
SRT	D3-80650	vasculitis
SRT	M-8FFFF	tumor
SRT	DD-00001	trauma
SRT	G-B102	surgical
SRT	R-422A4	after procedure

CID 3817 Vascular Sclerosis Types

Context ID 3817

Vascular Sclerosis Types

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-52450	adventitial degeneration
SRT	M-52210	arteriosclerosis with fibrinoid necrosis
SRT	M-52200	arteriolosclerosis

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-52000	arteriosclerosis
SRT	M-52100	atheroma
SRT	M-52120	atherosclerotic fibrous plaque
SRT	M-52101	calcified atheromatous plaque
SRT	M-52102	complicated atheromatous plaque
SRT	M-52470	cystic medical necrosis
SRT	M-52240	elastic vascular sclerosis
SRT	M-52130	fatty streaks
SRT	M-52300	fibroelastosis
SRT	M-52302	diffuse fibroelastosis
SRT	M-52301	focal fibroelastosis
SRT	M-52500	phlebosclerosis
SRT	M-52103	ulcerated atheromatous plaque
SRT	M-52400	vascular wall degeneration

CID 3820 Non-invasive Vascular Procedures

Context ID 3820

Non-invasive Vascular Procedures

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P5-0903A	vascular MRI
SRT	P5-09011	cardiac MRI
SRT	P5-0807F	cardiovascular CT
SRT	P5-0802B	CT of abdominal aorta
SRT	P5-00A0D	trunk angiography
SRT	P5-009BF	peripheral angiography

CID 3821 Papillary Muscle Included/Excluded

Context ID 3821

Papillary Muscle Included/Excluded

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122620	Papillary Muscle Excluded
DCM	122621	Papillary Muscle Included

CID 3823 Respiratory Status

Context ID 3823

Respiratory Status

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-20010	inspiration
SRT	F-20020	expiration
SRT	F-20030	autonomous breathing
SRT	R-40928	Valsalva maneuver
DCM	122612	central breathing position
SRT	F-201BD	shallow breathing

CID 3826 Heart Rhythm

Context ID 3826

Heart Rhythm

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-33300	normal sinus rhythm
SRT	D3-31500	atrial arrhythmia
SRT	D3-31715	ventricular arrhythmia

CID 3827 Vessel Segments

Context ID 3827

Vessel Segments

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID(12105) Intracranial Cerebral Vessels		
INCLUDE CID(12106) Unpaired Cerebral Vessels		
INCLUDE CID(12104) Extracranial Arteries		
INCLUDE CID(12109) Lower Extremity Arteries		
INCLUDE CID(12110) Lower Extremity Veins		
INCLUDE CID(12107) Upper Extremity Arteries		
INCLUDE CID(12108) Upper Extremity Veins		
INCLUDE CID(12115) Renal Vessels		
INCLUDE CID(12111) Abdominal Arteries (lateral)		
INCLUDE CID(12112) Abdominal Arteries (unilateral)		
INCLUDE CID(12113) Abdominal Veins (lateral)		
INCLUDE CID(12114) Abdominal Veins (unilateral)		
INCLUDE CID(3015) Coronary Arteries		
INCLUDE CID(3839) Cardiac Veins		
INCLUDE CID(3840) Pulmonary Veins		

CID 3829 Pulmonary Arteries

Context ID 3829

Pulmonary Arteries

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-44101	entire trunk of pulmonary artery
SRT	T-44011	entire suprapulmonic valve area
SRT	T-35250	pulmonary valve sinuses
SRT	T-44401	entire left pulmonary artery
SRT	T-44201	entire right pulmonary artery

CID 3831 Stenosis Length

Context ID 3831

Stenosis Length

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404AC	long
SRT	R-4235F	short

CID 3832 Stenosis Grade

Context ID 3832

Stenosis Grade

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A003	severe
SRT	G-A002	moderate
SRT	R-404FA	mild

CID 3833 Cardiac Ejection Fraction

Context ID 3833

Cardiac Ejection Fraction

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8810-4	Left ventricular ejection fraction by CT
LN	8817-9	Right ventricular ejection fraction by CT
LN	8811-2	Left ventricular ejection fraction by MR
LN	8818-7	Right ventricular ejection fraction by MR

CID 3835 Volume Measurements

Context ID 3835

Volume Measurements

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Equivalent LOINC Code Value
INCLUDE CID(3468) ED Volume			
INCLUDE CID(3469) ES Volume			
SRT	F-32120	Stroke Volume	20562-5

CID 3836 Time-based Perfusion Measurements

Context ID 3836

Time-based Perfusion Measurements

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122631	Signal Earliest Peak Time
DCM	122633	Signal Increase Start Time
DCM	122634	Signal Time to Peak
DCM	122638	Signal Baseline Start
DCM	122639	Signal Baseline End

CID 3837 Fiducial Feature

Context ID 3837

Fiducial Feature

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-3215A	Ostium
SRT	T-46600	Renal Artery
SRT	T-42580	Aortic Bifurcation
SRT	R-10258	Common Iliac Bifurcation

CID 3838 Diameter Derivation

Context ID 3838

Diameter Derivation

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID(3488) Min/Max/Mean		
SRT	G-A117	Transverse
DCM	122675	Anterior-Posterior

CID 3839 Coronary Veins

Context ID 3839

Coronary Veins

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-48343	Azygos Vein
SRT	T-48418	Coronary Sinus
SRT	T-48421	Great Cardiac Vein
SRT	T-48436	Small Cardiac Vein
SRT	T-48440	Anterior Cardiac Vein
SRT	T-484A1	Atrial Vein
SRT	T-484A3	Atrioventricular Vein
SRT	T-48431	Middle Cardiac Vein
SRT	T-484A2	Ventricular Vein
SRT	T-48405	Smallest Cardiac Vein

CID 3840 Pulmonary Veins

Context ID 3840

Pulmonary Veins

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-48500	Entire Pulmonary Vein
SRT	T-4858E	Entire Left Pulmonary Vein
SRT	T-4854B	Entire Inferior Left Pulmonary Vein
SRT	T-48537	Entire Superior Left Pulmonary Vein
SRT	T-48504	Entire Right Pulmonary Vein
SRT	T-48526	Entire Inferior Right Pulmonary Vein
SRT	T-48515	Entire Superior Right Pulmonary Vein

CID 3843 Myocardial Subsegment

Context ID 3843

Myocardial Subsegment

Type: Extensible Version: 20051103

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-427E6	endocardial
SRT	R-40940	epicardial

CID 4005 Partial View Section for Mammography

Context ID 4005

Partial View Section for Mammography

Type: Non-Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404CC	Anterior
SRT	R-404CE	Posterior
SRT	R-42191	Superior
SRT	R-4094A	Inferior
SRT	R-404D5	Medial
SRT	G-A104	Lateral
SRT	G-A110	Central

CID 4009 DX Anatomy Imaged

Context ID 4009
DX Anatomy Imaged

Type: Extensible Version: 20040114

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 4031 Common Anatomic Regions		

CID 4010 DX View

Context ID 4010
DX View

Type: Extensible Version: 20090119

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10202	frontal
SRT	R-10204	frontal oblique
SRT	R-10206	antero-posterior
SRT	R-10208	antero-posterior oblique
SRT	R-10210	right posterior oblique
SRT	R-10212	left posterior oblique
SRT	R-10214	postero-anterior
SRT	R-10216	postero-anterior oblique
SRT	R-10218	right anterior oblique
SRT	R-10220	left anterior oblique
SRT	R-10222	sagittal
SRT	R-10224	medial-lateral
SRT	R-40783	lateral oblique
SRT	R-10228	lateral-medial
SRT	R-40782	medial oblique
SRT	R-10232	right lateral
SRT	R-10234	right oblique
SRT	R-10236	left lateral
SRT	R-10238	left oblique
SRT	R-10241	axial
SRT	R-10242	cranio-caudal
SRT	R-10244	caudo-cranial
SRT	R-10246	oblique axial
SRT	R-10248	oblique cranio-caudal
SRT	R-10250	oblique caudo-cranial
SRT	R-10252	frontal-oblique axial

SRT	R-10254	sagittal-oblique axial
SRT	R-102C1	oblique
SRT	R-102CD	lateral
SRT	R-102C2	tangential
SRT	R-10256	submentovertical
SRT	R-10257	verticosubmental
SRT	R-102C3	plantodorsal
SRT	R-102C4	dorsoplantar
SRT	R-102C5	parietoacanthial
SRT	R-102C6	acanthioparietal
SRT	R-102C7	orbitoparietal
SRT	R-102C8	parieto-orbital
SRT	R-10230	latero-medial oblique
SRT	R-10226	medio-lateral oblique
SRT	G-8300	tissue specimen

Note: In a prior version of this Context Group, Lateral Oblique was assigned the code R-10226, and Medial Oblique was assigned the code R-10230, as synonymous with Medio-Lateral Oblique and Latero-Medial Oblique, respectively. SNOMED currently distinguishes between LO and MLO, and between MO and LMO, although in most radiography contexts there is no practical distinction. Receiving applications should be aware that they may receive SOP Instances with the prior code assignments.

CID 4011 DX View Modifier

Context ID 4011
DX View Modifier

Type: Extensible Version: 20070524

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10244	cephalad
SRT	R-10242	caudad
SRT	R-40885	transthoracic
SRT	R-4087B	transforamenal
SRT	G-D00B	transoral
SRT	R-40554	transorbital
DCM	111069	Crosstable
SRT	R-421A4	Mouth closed

Note: In a prior version of this Context Group, the codes R-102C9, R-102CA, R-102CB, R-102CC, and R-102CE were specified for various concepts. Those codes are not actually in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4012 Projection Eponymous Name

Context ID 4012
Projection Eponymous Name

Type: Extensible Version: 20070524

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10261	Albers-Schonberg
SRT	R-10262	Alexander
SRT	R-40A88	Apple
SRT	R-10263	Arcelin
SRT	R-10264	Beclere
SRT	R-10265	Bertel
SRT	R-10266	Blackett-Healy
SRT	R-40809	Brewerton projection
SRT	R-10267	Broden
SRT	R-40A89	Burman
SRT	R-10268	Cahoon
SRT	R-10269	Caldwell
SRT	R-1026A	Camp-Coventry
SRT	R-1026B	Causton
SRT	R-1026C	Chamberlain
SRT	R-1026D	Chassard-Lapine
SRT	R-1026E	Chausse
SRT	R-1026F	Cleaves
SRT	R-10270	Clements
SRT	R-10271	Clements-Nakayama
SRT	R-40A8A	Colcher-Sussman
SRT	R-40A8B	Danelius-Miller
SRT	R-10272	Dunlap
SRT	R-40A8F	Eraso Modification
SRT	R-10273	Ferguson
SRT	R-40A8C	Fisk
SRT	R-10274	Fleischner
SRT	R-40A8D	Folio
SRT	R-10275	Friedman
SRT	R-10276	Fuchs
SRT	R-40A8E	Garth
SRT	R-10277	Gaynor-Hart
SRT	R-10278	Grandy
SRT	R-10279	Grashey

SRT	R-1027A	Haas
SRT	R-4080A	Harris Beath axial projection
SRT	R-1027B	Henschen
SRT	R-1027C	Hickey
SRT	R-40A90	Hirtz Modification
SRT	R-1027D	Holly
SRT	R-1027E	Holmblad
SRT	R-1027F	Hough
SRT	R-10280	Hsieh
SRT	R-10281	Hughston
SRT	R-10282	Isherwood
SRT	R-10283	Judd
SRT	R-4080D	Judet projection
SRT	R-10284	Kandel
SRT	R-10285	Kasabach
SRT	R-10286	Kemp Harper
SRT	R-40A91	Kite
SRT	R-10287	Kovacs
SRT	R-10288	Kuchendorf
SRT	R-10289	Kurzbauer
SRT	R-1028A	Laquerriere-Pierquin
SRT	R-1028B	Lauenstein
SRT	R-1028C	Law
SRT	R-1028D	Lawrence
SRT	R-1028E	Leonard-George
SRT	R-1028F	Lewis
SRT	R-10290	Lilienfeld
SRT	R-10291	Lindblom
SRT	R-10292	Lorenz
SRT	R-10293	Low-Beer
SRT	R-10294	Lysholm
SRT	R-10295	May
SRT	R-10296	Mayer
SRT	R-10297	Merchant
SRT	R-10298	Miller
SRT	R-40A92	Moore
SRT	R-4080E	Mortice projection
SRT	R-40A93	Neer
SRT	R-10299	Nolke
SRT	R-1029A	Norgaard

SRT	R-1029B	Ottonello
SRT	R-1029C	Pawlow
SRT	R-1029D	Pearson
SRT	R-1029E	Penner
SRT	R-1029F	Pirie
SRT	R-40A94	Rafert
SRT	R-40A95	Rafert-Long
SRT	R-102A0	Rhese
SRT	R-40A96	Robert
SRT	R-40A97	Rosenberg
SRT	R-102A1	Schuller
SRT	R-102A2	Settegast
SRT	R-102A3	Staunig
SRT	R-102A4	Stecher
SRT	R-102A5	Stenvers
SRT	R-40A98	Stryker
SRT	R-102A6	Swanson
SRT	R-102A7	Tarrant
SRT	R-102A8	Taylor
SRT	R-102A9	Teufel
SRT	R-102AA	Titterington
SRT	R-102AB	Towne
SRT	R-102AC	Twining
SRT	R-102AD	Valdini
SRT	R-40816	Van Rosen projection
SRT	R-102AE	Waters
SRT	R-102AF	West Point
SRT	R-102B0	Wigby-Taylor
SRT	R-40A99	Wolf
SRT	R-102B1	Zanelli

CID 4013 Anatomic Region for Mammography

Context ID 4013
Anatomic Region for Mammography

Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-04000	Breast

CID 4014 View for Mammography

Context ID 4014
View for Mammography
Type: Non-Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	ACR MQCM 1999 Equivalent
SRT	R-10224	medio-lateral	ML
SRT	R-10226	medio-lateral oblique	MLO
SRT	R-10228	latero-medial	LM
SRT	R-10230	latero-medial oblique	LMO
SRT	R-10242	cranio-caudal	CC
SRT	R-10244	caudo-cranial (from below)	FB
SRT	R-102D0	superolateral to inferomedial oblique	SIO
SRT	R-40AAA	inferomedial to superolateral oblique	ISO
SRT	R-1024A	cranio-caudal exaggerated laterally	XCCL
SRT	R-1024B	cranio-caudal exaggerated medially	XCCM
SRT	G-8310	tissue specimen from breast	

Notes: 1. In a prior version of this Context Group, Cranio-Caudal Exaggerated Laterally was assigned the code Y-X1770, and Cranio-Caudal Exaggerated Medially was assigned the code Y-X1771. Those codes are deprecated, as they are not valid SNOMED codes. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated codes, receiving applications should be aware of this change; see Annex J.

2. While SRT is the preferred Coding Scheme Designator for SNOMED, regulatory approval of mammography systems makes changes to such systems problematic. Implementers should be aware that many systems will continue to use the deprecated designator SNM3 for certain terms in this context group. It is recommended that implementations receiving Mammography Image or CAD SOP Instances support both SNM3 and SRT as equivalent Coding Scheme Designators for Attributes or Content Items that use this Context Group.

3. In a prior version of this Context Group, (R-102CF, SRT, “cranio-caudal exaggerated”) was included. This is not a clinically applied view. Use of this term is deprecated, but receiving applications should be aware of its prior existence.

CID 4015 View Modifier for Mammography

Context ID 4015
View Modifier for Mammography

Type: Non-Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Applies only when View ACR MQCM 1999 Equivalent (CID 4014) is:	ACR MQCM 1999 Equivalent
SRT	R-102D2	Cleavage	CC or FB	CV
SRT	R-102D1	Axillary Tail	MLO	AT
SRT	R-102D3	Rolled Lateral	any	...RL
SRT	R-102D4	Rolled Medial	any	...RM
SRT	R-102CA	Rolled Inferior	any	…RI
SRT	R-102C9	Rolled Superior	any	…RS
SRT	R-102D5	Implant Displaced	any	…ID
SRT	R-102D6	Magnification	any	M...
SRT	R-102D7	Spot Compression	any	S…
SRT	R-102C2	Tangential	any	TAN
SRT	R-40AB3	Nipple in profile	any	…NP
SRT	P2-00161	Anterior compression	any	…AC
SRT	R-40ABE	Infra-mammary fold	any	…IMF
SRT	R-40AB2	Axillary tissue	any	…AX

Notes: 1. Some applications and View Modifier ACR MQCM 1999 equivalents have been extended by DICOM to incorporate additional known clinical use cases. The View Modifier ACR MQCM 1999 equivalent indicates its use as a prefix (shown by trailing "…") or suffix (shown by preceding "…") to the View ACR MQCM 1999 equivalent, or replacement for the View ACR MQCM 1999 equivalent.

2. While SRT is the preferred Coding Scheme Designator for SNOMED, regulatory approval of mammography systems makes changes to such systems problematic. Implementers should be aware that many systems will continue to use the deprecated designator SNM3 for certain terms in this context group. It is recommended that implementations receiving Mammography Image or CAD SOP Instances support both SNM3 and SRT as equivalent Coding Scheme Designators for Attributes or Content Items that use this Context Group.

CID 4016 Anatomic Region for Intra-oral Radiography

Context ID 4016
Anatomic Region for Intra-oral Radiography

Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D1213	Jaw region
SRT	T-11170	Maxilla
SRT	T-11180	Mandible
SRT	T-54000	Teeth, gums and supporting structures

Note: In a prior version of this table, the code T-D1217 was specified for the concept “Maxilla and mandible”. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4017 Anatomic Region Modifier for Intra-oral Radiography

Context ID 4017
Anatomic Region Modifier for Intra-oral Radiography
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-51005	Anterior 1
SRT	T-51006	Anterior 2
SRT	T-51007	Anterior 3
SRT	T-51008	Premolar 1
SRT	T-51009	Premolar 2
SRT	T-5100A	Molar 1
SRT	T-5100B	Molar 2
SRT	T-5100C	Molar 3
SRT	T-5100D	Occlusal

CID 4018 Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition – Designation of Teeth)

Context ID 4018
Primary Anatomic Structure for Intra-oral Radiography
(Permanent Dentition - Designation of Teeth)

Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth
SRT	T-54210	Maxillary right third molar tooth	1	8
SRT	T-54220	Maxillary right second molar tooth	1	7
SRT	T-54230	Maxillary right first molar tooth	1	6
SRT	T-54240	Maxillary right second premolar tooth	1	5
SRT	T-54250	Maxillary right first premolar tooth	1	4
SRT	T-54260	Maxillary right canine tooth	1	3
SRT	T-54270	Maxillary right lateral incisor tooth	1	2
SRT	T-54280	Maxillary right central incisor tooth	1	1
SRT	T-54290	Maxillary left central incisor tooth	2	1
SRT	T-54300	Maxillary left lateral incisor tooth	2	2
SRT	T-54310	Maxillary left canine tooth	2	3
SRT	T-54320	Maxillary left first premolar tooth	2	4
SRT	T-54330	Maxillary left second premolar tooth	2	5
SRT	T-54340	Maxillary left first molar tooth	2	6
SRT	T-54350	Maxillary left second molar tooth	2	7
SRT	T-54360	Maxillary left third molar tooth	2	8
SRT	T-54370	Mandibular left third molar tooth	3	8
SRT	T-54380	Mandibular left second molar tooth	3	7
SRT	T-54390	Mandibular left first molar tooth	3	6
SRT	T-54400	Mandibular left second premolar tooth	3	5
SRT	T-54410	Mandibular left first premolar tooth	3	4
SRT	T-54420	Mandibular left canine tooth	3	3
SRT	T-54430	Mandibular left lateral tooth	3	2
SRT	T-54440	Mandibular left central incisor tooth	3	1
SRT	T-54450	Mandibular right central incisor tooth	4	1
SRT	T-54460	Mandibular right lateral incisor tooth	4	2
SRT	T-54470	Mandibular right canine tooth	4	3
SRT	T-54480	Mandibular right first premolar tooth	4	4
SRT	T-54490	Mandibular right second premolar tooth	4	5
SRT	T-54500	Mandibular right first molar tooth	4	6
SRT	T-54510	Mandibular right second molar tooth	4	7
SRT	T-54520	Mandibular right third molar tooth	4	8

CID 4019 Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition – Designation of Teeth)

Context ID 4019
Primary Anatomic Structure for Intra-oral Radiography
(Deciduous Dentition - Designation of Teeth)

Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth
SRT	T-54610	Deciduous maxillary right central incisor tooth	5	1
SRT	T-54620	Deciduous maxillary right lateral incisor tooth	5	2
SRT	T-54630	Deciduous maxillary right canine tooth	5	3
SRT	T-54640	Deciduous maxillary right first molar tooth	5	4
SRT	T-54650	Deciduous maxillary right second molar tooth	5	5
SRT	T-54660	Deciduous maxillary left central incisor tooth	6	1
SRT	T-54670	Deciduous maxillary left lateral incisor tooth	6	2
SRT	T-54680	Deciduous maxillary left canine tooth	6	3
SRT	T-54690	Deciduous maxillary left first molar tooth	6	4
SRT	T-54700	Deciduous maxillary left second molar tooth	6	5
SRT	T-54760	Deciduous mandibular left central incisor tooth	7	1
SRT	T-54770	Deciduous mandibular left lateral incisor tooth	7	2
SRT	T-54780	Deciduous mandibular left canine tooth	7	3
SRT	T-54790	Deciduous mandibular left first molar tooth	7	4
SRT	T-54800	Deciduous mandibular left second molar tooth	7	5
SRT	T-54710	Deciduous mandibular right central incisor tooth	8	1
SRT	T-54720	Deciduous mandibular right lateral incisor tooth	8	2
SRT	T-54730	Deciduous mandibular right canine tooth	8	3
SRT	T-54740	Deciduous mandibular right first molar tooth	8	4
SRT	T-54750	Deciduous mandibular right second molar tooth	8	5

CID 4020 PET Radionuclide

Context ID 4020
PET Radionuclide

Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-111A1	^18^Fluorine
SRT	C-159A2	^82^Rubidium
SRT	C-107A1	^13^Nitrogen

SRT	C-105A1	^11^Carbon
SRT	C-128A2	^68^Germanium
SRT	C-155A1	^22^Sodium
SRT	C-1018C	^14^Oxygen
SRT	C-B1038	^15^Oxygen
SRT	C-127A4	^60^Copper
SRT	C-127A1	^61^Copper
SRT	C-127A5	^62^Copper
SRT	C-127A2	^64^Copper
SRT	C-131A1	^66^Gallium
SRT	C-131A3	^68^Gallium
SRT	C-113A1	^75^Bromine
SRT	C-113A2	^76^Bromine
SRT	C-113A3	^77^Bromine
SRT	C-114A5	^124^Iodine
SRT	C-135A4	^38^Potassium
SRT	C-149A1	^52^Manganese
SRT	C-163AA	^94m^Technetium
SRT	C-166A2	^45^Titanium
SRT	C-162A3	^86^Yttrium
SRT	C-141A1	^62^Zinc

CID 4021 PET Radiopharmaceutical

Context ID 4021
PET Radiopharmaceutical

Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-B1043	Acetate C^11^
SRT	C-B103C	Ammonia N^13^
SRT	C-B07DB	ATSM Cu^64^
SRT	C-B07DC	Butanol O^15^
SRT	C-B103B	Carbon dioxide O^15^
SRT	C-B1045	Carbon monoxide C^11^
SRT	C-B103A	Carbon monoxide O^15^
SRT	C-B103F	Carfentanil C^11^
SRT	C-B07DD	EDTA Ga^68^
SRT	C-B07DE	Flumazenil C^11^
SRT	C-B07DF	Flumazenil F^18^
SRT	C-B07E0	Fluorethyltyrosin F^18^
SRT	C-B1031	Fluorodeoxyglucose F^18^

SRT	C-B07E1	Fluoromisonidazole F^18^
SRT	C-B07E2	Fluoromethane F^18^
SRT	C-B07E3	Fluorouracil F^18^
SRT	C-B07E4	Fluorobenzothiazole F^18^
SRT	C-B1034	Fluoro-L-dopa F^18^
SRT	C-B1046	Germanium Ge^68^
SRT	C-B103D	Glutamate N^13^
SRT	C-B07E5	Mespiperone C^11^
SRT	C-B103E	Methionine C^11^
SRT	C-B07E6	Monoclonal antibody I^124^
SRT	C-B1038	Oxygen O^15^
SRT	C-B1039	Oxygen-water O^15^
SRT	C-B1044	Palmitate C^11^
SRT	C-B07E7	PTSM Cu^62^
SRT	C-B1042	Raclopride C^11^
SRT	C-B1037	Rubidium chloride Rb^82^
SRT	C-B1032	Sodium fluoride F^18^
SRT	C-B07E8	Sodium iodide I^124^
SRT	C-B1047	Sodium Na^22^
SRT	C-B1033	Spiperone F^18^
SRT	C-B1036	Thymidine (FLT)F^18^

CID 4028 Craniofacial Anatomic Regions

Context ID 4028
Craniofacial Anatomic Regions
Type: Extensible Version: 20091021

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-11501	Cervical spine
SRT	T-D0801	Eye region
SRT	T-11196	Facial bones
SRT	T-D1100	Head
SRT	T-D1000	Head and Neck
SRT	T-AB959	Internal Auditory Canal
SRT	T-D1213	Jaw region
SRT	T-24100	Larynx
SRT	T-11180	Mandible
SRT	T-11133	Mastoid bone
SRT	T-11170	Maxilla
SRT	T-11149	Nasal bone

SRT	T-D1600	Neck
SRT	T-11102	Optic canal
SRT	T-D14AE	Orbital structure
SRT	T-22000	Paranasal sinus
SRT	T-11100	Skull
SRT	T-61300	Submandibular gland
SRT	T-15290	Temporomandibular joint
SRT	T-25000	Trachea
SRT	T-11011	Vertebral column and cranium
SRT	T-11167	Zygomatic arch

CID 4030 CT, MR and PET Anatomy Imaged

Context ID 4030
CT, MR and PET Anatomy Imaged
Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 4031 Common Anatomic Regions		
SRT	T-42500	Abdominal aorta
SRT	T-41070	Abdominal aorta and its branches
SRT	T-B3000	Adrenal gland
SRT	T-42300	Aortic arch
SRT	T-A0100	Brain
SRT	T-45010	Carotid Artery
SRT	T-A6000	Cerebellum
SRT	T-45526	Circle of Willis
SRT	T-43000	Coronary artery
SRT	T-A0193	Cranial venous system
SRT	T-41040	Iliac arterial system
SRT	T-71000	Kidney
SRT	T-62002	Liver
SRT	T-65000	Pancreas
SRT	T-B7000	Parathyroid
SRT	T-44000	Pulmonary artery
SRT	T-46600	Renal artery
SRT	T-C3000	Spleen
SRT	T-94000	Testis
SRT	T-42070	Thoracic aorta
SRT	T-C8000	Thymus
SRT	T-B6000	Thyroid

SRT	T-83000	Uterus

CID 4031 Common Anatomic Regions

Context ID 4031
Common Anatomic Regions
Type: Extensible Version: 20091021

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D4000	Abdomen
SRT	R-FAB57	Abdomen and Pelvis
SRT	T-15420	Acromioclavicular joint
SRT	T-15750	Ankle joint
SRT	T-280A0	Apex of Lung
SRT	T-D8200	Arm
SRT	T-60610	Bile duct
SRT	T-74000	Bladder
SRT	T-04000	Breast
SRT	T-26000	Bronchus
SRT	T-12770	Calcaneus
SRT	T-11501	Cervical spine
SRT	T-D00F7	Cervico-thoracic spine
SRT	T-D3000	Chest
SRT	R-FAB55	Chest and Abdomen
SRT	R-FAB56	Chest, Abdomen and Pelvis
SRT	T-12310	Clavicle
SRT	T-11BF0	Coccyx
SRT	T-59300	Colon
SRT	T-58200	Duodenum
SRT	T-D8300	Elbow
SRT	T-D0010	Entire body
SRT	T-56000	Esophagus
SRT	T-DD163	Esophagus, stomach and duodenum
SRT	T-D0300	Extremity
SRT	T-AA000	Eye
SRT	T-D0801	Eye region
SRT	T-11196	Facial bones
SRT	T-12710	Femur
SRT	T-D8800	Finger
SRT	T-D9700	Foot
SRT	T-12402	Forearm bone

SRT	T-63000	Gall bladder
SRT	T-D8700	Hand
SRT	T-D1100	Head
SRT	T-D1000	Head and Neck
SRT	T-32000	Heart
SRT	T-15710	Hip joint
SRT	T-12410	Humerus
SRT	T-58600	Ileum
SRT	T-12340	Ilium
SRT	T-AB959	Internal Auditory Canal
SRT	T-D1213	Jaw region
SRT	T-58400	Jejunum
SRT	T-D9200	Knee
SRT	T-59000	Large intestine
SRT	T-24100	Larynx
SRT	T-D9400	Leg
SRT	T-11503	Lumbar spine
SRT	T-D00F9	Lumbo-sacral spine
SRT	T-11180	Mandible
SRT	T-11133	Mastoid bone
SRT	T-11170	Maxilla
SRT	T-D3300	Mediastinum
SRT	T-11149	Nasal bone
SRT	T-D1600	Neck
SRT	R-FAB52	Neck and Chest
SRT	R-FAB53	Neck, Chest and Abdomen
SRT	R-FAB54	Neck, Chest, Abdomen and Pelvis
SRT	T-11102	Optic canal
SRT	T-D14AE	Oribital structure
SRT	T-65600	Pancreatic duct and bile duct systems
SRT	T-22000	Paranasal sinus
SRT	T-61100	Parotid gland
SRT	T-12730	Patella
SRT	T-D6000	Pelvis
SRT	R-FAB58	Pelvis and lower extremeties
SRT	T-9200B	Prostate
SRT	T-59600	Rectum
SRT	T-11300	Rib
SRT	T-15680	Sacroiliac joint
SRT	T-11AD0	Sacrum

SRT	T-12280	Scapula
SRT	T-D1460	Sella turcica
SRT	T-12980	Sesamoid bones of foot
SRT	T-D2220	Shoulder
SRT	T-11100	Skull
SRT	T-58000	Small intestine
SRT	T-D0146	Spine
SRT	T-15610	Sternoclavicular joint
SRT	T-11210	Sternum
SRT	T-57000	Stomach
SRT	T-61300	Submandibular gland
SRT	T-15770	Tarsal joint
SRT	T-15290	Temporomandibular joint
SRT	T-11502	Thoracic spine
SRT	T-D00F8	Thoraco-lumbar spine
SRT	T-D8810	Thumb
SRT	T-D9800	Toe
SRT	T-25000	Trachea
SRT	T-70010	Upper urinary tract
SRT	T-73800	Ureter
SRT	T-75000	Urethra
SRT	T-88920	Uterus and fallopian tubes
SRT	T-11011	Vertebral column and cranium
SRT	T-15460	Wrist joint
SRT	T-11167	Zygomatic arch

Note: In a prior version of this table, the code T-D1217 was specified for the concept “Maxilla and mandible”. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4032 MR Spectroscopy Metabolites

Context ID 4032
MR Spectroscopy Metabolites
Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 4033 MR Proton Spectroscopy Metabolites		

CID 4033 MR Proton Spectroscopy Metabolites

Context ID 4033
MR Proton Spectroscopy Metabolites
Type: Extensible Version: 20070122

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-6175A	N-acetylaspartate
SRT	F-61080	Citrate
SRT	F-61620	Choline
SRT	F-61380	Creatine
DCM	113094	Creatine and Choline
SRT	F-61760	Lactate
SRT	F-63600	Lipid
DCM	113095	Lipid and Lactate
DCM	113080	Glutamate and glutamine
SRT	F-64210	Glutamine
SRT	F-64460	Tuarine
SRT	F-61A90	Inositol
DCM	113081	Choline/Creatine Ratio
DCM	113082	N-acetylaspartate/Creatine Ratio
DCM	113083	N-acetylaspartate/Choline Ratio
DCM	113096	Creatine+Choline/Citrate Ratio

Note: For the purpose of this context group, where possible, the resonance peak in the spectrum corresponding to a particular metabolite is described using the concept from SNOMED for the substance corresponding to the metabolite. E.g. the code used for “lipid” is the code for “lipid (substance)”, as this concept is effectively post-coordinated by its use in the Metabolite Map Code Sequence (0018,9083) to mean “lipid resonance peaks in MR spectroscopy”.

CID 4040 Endoscopy Anatomic Regions

Context ID 4040
Endoscopy Anatomic Regions
Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D4000	Abdomen
SRT	T-59490	Anus, rectum and sigmoid colon
SRT	T-60610	Bile duct
SRT	T-74000	Bladder
SRT	T-DD123	Bladder and urethra

SRT	T-26000	Bronchus
SRT	T-83200	Cervix
SRT	T-D3000	Chest
SRT	T-DD163	Esophagus, stomach and duodenum
SRT	T-AB200	External auditory canal
SRT	T-63000	Gall bladder
SRT	T-D7000	Inguinal region
SRT	T-15001	Joint
SRT	T-71000	Kidney
SRT	T-D9200	Knee
SRT	T-59000	Large intestine
SRT	T-24100	Larynx
SRT	T-40230	Lumen of blood vessel
SRT	T-D3300	Mediastinum
SRT	T-2300C	Naso pharynx
SRT	T-22000	Paranasal sinus
SRT	T-55002	Pharynx
SRT	T-20101	Pharynx and larynx
SRT	T-59600	Rectum
SRT	T-D2220	Shoulder
SRT	T-59470	Sigmoid colon
SRT	T-D0146	Spine
SRT	T-DD006	Trachea and bronchus
SRT	T-70010	Upper urinary tract
SRT	T-73800	Ureter
SRT	T-88920	Uterus and fallopian tubes

Note: See Annex I for examples of the relationship between anatomic regions and type of endoscopy performed.

CID 4042 XA/XRF Anatomy Imaged

Context ID 4042
XA/XRF Anatomy Imaged

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 3010 Cardiovascular Anatomic Locations		
INCLUDE CID 4031 Common Anatomic Regions		

CID 4050 Drug or Contrast Agent Characteristics

Context ID 4050
Drug or Contrast Agent Characteristics
Type: Extensible Version: 20070124

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-C52F	Active Ingredient
DCM	121380	Active Ingredient Undiluted Concentration
DCM	121381	Contrast/Bolus Ingredient Opaque
SRT	G-D705	Volume

CID 4051 General Devices

Context ID 4051
General Devices
Type: Extensible Version: 20061023

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 8 Angiographic Interventional Devices		
INCLUDE CID 3451 Calibration Objects		
INCLUDE CID 4052 Phantom Devices		

CID 4052 Phantom Devices

Context ID 4052
Phantom Devices
Type: Extensible Version: 20061023

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113681	Phantom
DCM	113682	ACR Accreditation Phantom - CT
DCM	113683	ACR Accreditation Phantom - MR
DCM	113684	ACR Accreditation Phantom - Mammography
DCM	113685	ACR Accreditation Phantom – Stereotactic Breast Biopsy
DCM	113686	ACR Accreditation Phantom - ECT
DCM	113687	ACR Accreditation Phantom - PET
DCM	113688	ACR Accreditation Phantom – ECT/PET
DCM	113689	ACR Accreditation Phantom – PET Faceplate

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113690	IEC Head Dosimetry Phantom
DCM	113691	IEC Body Dosimetry Phantom
DCM	113692	NEMA XR21-2000 Phantom

CID 4200 Ophthalmic Imaging Agent

Context ID 4200
Ophthalmic Imaging Agent
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-B02CC	Fluorescein
SRT	C-B0156	Indocyanine green
SRT	C-B0295	Rose Bengal
SRT	C-22853	Trypan blue
SRT	C-B02C5	Methylene blue

CID 4201 Patient Eye Movement Command

Context ID 4201
Patient Eye Movement Command
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-1022D	Primary gaze
SRT	R-404BF	Upward gaze
SRT	R-404B9	Left upgaze
SRT	R-404BC	Left gaze
SRT	R-404B7	Left downgaze
SRT	R-404B6	Downgaze
SRT	R-404B8	Right downgaze
SRT	R-404BD	Right gaze
SRT	R-404BA	Right upgaze
SRT	R-10227	Convergent gaze

CID 4202 Ophthalmic Photography Acquisition Device

Context ID 4202
Ophthalmic Photography Acquisition Device
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-1021A	Fundus Camera
SRT	A-2B201	Slit Lamp Biomicroscope
SRT	R-1021B	External Camera
SRT	R-1021C	Specular Microscope
SRT	A-2B210	Operating Microscope
SRT	A-00E8A	Scanning Laser Ophthalmoscope
SRT	R-1021D	Indirect Ophthalmoscope
SRT	R-1021E	Direct Ophthalmoscope
SRT	R-1021F	Ophthalmic Endoscope
SRT	A-00FCA	Keratoscope

CID 4203 Ophthalmic Photography Illumination

Context ID 4203
Ophthalmic Photography Illumination
Type: Extensible Version: 20071016

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-1020E	Dual diffuse direct illumination
SRT	R-1020F	Fine slit beam direct illumination
SRT	R-10211	Broad tangential direct illumination
SRT	R-10213	Indirect sclerotic scatter illumination
SRT	R-10215	Indirect retroillumination from the iris
SRT	R-10217	Indirect retroillumination from the retina
SRT	R-10218	Indirect iris transillumination
SRT	111625	Diffuse direct illumination

Reference: From the OPS web site: http://www.opsweb.org/Op-Photo/SlitLamp/SL/SlitLamp.htm

CID 4204 Ophthalmic Filter

Context ID 4204
Ophthalmic Filter
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111601	Green filter
DCM	111602	Red filter
DCM	111603	Blue filter
DCM	111604	Yellow-green filter
DCM	111605	Blue-green filter
DCM	111606	Infrared filter
DCM	111607	Polarizing filter
DCM	111609	No filter

CID 4205 Ophthalmic Lens

Context ID 4205
Ophthalmic Lens
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10219	Indirect ophthalmoscopy lens
SRT	R-10239	Concave contact fundus lens
SRT	R-1023A	Concave noncontact fundus lens
SRT	R-1023B	Contact fundus lens
SRT	A-00FAD	Goniolens
SRT	R-1023D	Convex noncontact fundus lens
SRT	R-1023E	Noncontact fundus lens
SRT	R-1023C	Convex contact fundus len

CID 4206 Ophthalmic Channel Description

Context ID 4206
Ophthalmic Channel Description
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A12F	Blue
SRT	R-102C0	Full Spectrum
SRT	G-A11E	Green
SRT	R-102BE	Infrared
SRT	G-A11A	Red

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A132	Red free
SRT	R-102BF	Ultraviolet

CID 4207 Ophthalmic Image Position

Context ID 4207
Ophthalmic Image Position
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10229	Diabetic Retinopathy Study field 1
SRT	R-1022A	Diabetic Retinopathy Study field 2
SRT	R-1022B	Diabetic Retinopathy Study field 3
SRT	R-1022C	Diabetic Retinopathy Study field 4
SRT	R-1022E	Diabetic Retinopathy Study field 5
SRT	R-1022F	Diabetic Retinopathy Study field 6
SRT	R-10231	Diabetic Retinopathy Study field 7
DCM	111621	Field 1 for Joslin 3 field
DCM	111622	Field 2 for Joslin 3 field
DCM	111623	Field 3 for Joslin 3 field

CID 4208 Mydriatic Agent

Context ID 4208
Mydriatic Agent
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-677B9	Atropine
SRT	C-677C0	Homatropine
SRT	C-97520	Cyclopentolate
SRT	C-68165	Phenylephrine
SRT	C-97580	Tropicamide

CID 4209 Ophthalmic Anatomic Structure Imaged

Context ID 4209
Ophthalmic Anatomic Structure Imaged
Type: Extensible Version: 20040921

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-AA050	Anterior chamber of eye
SRT	T-AA180	Both eyes
SRT	T-AA310	Choroid of eye
SRT	T-AA400	Ciliary body
SRT	T-AA860	Conjunctiva
SRT	T-AA200	Cornea
SRT	T-AA000	Eye
SRT	T-AA810	Eyelid
SRT	T-AA621	Fovea centralis
SRT	T-AA500	Iris
SRT	T-AA862	Lacrimal caruncle
SRT	T-AA910	Lacrimal gland
SRT	T-AA940	Lacrimal sac
SRT	T-AA700	Lens
SRT	T-AA830	Lower Eyelid
SRT	T-45400	Ophthalmic artery
SRT	T-AA630	Optic nerve head
SRT	T-AA610	Retina
SRT	T-AA110	Sclera
SRT	T-AA820	Upper Eyelid

CID 4210 Ophthalmic Tomography Acquisition Device

Context ID 4210
Ophthalmic Tomography Acquisition Device

Type: Extensible Version: 20071016

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-00FBE	Optical Coherence Tomography Scanner
SRT	R-FAB5A	Retinal Thickness Analyzer
SRT	A-00E8B	Confocal Scanning Laser Ophthalmoscope
DCM	111626	Scheimpflug Camera

CID 4211 Ophthalmic OCT Anatomic Structure Imaged

Context ID 4211
Ophthalmic OCT Anatomic Structure Imaged
Type: Extensible Version: 20071016

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-AA050	Anterior chamber of eye
SRT	T-AA310	Choroid of eye
SRT	T-AA400	Ciliary body
SRT	T-AA860	Conjunctiva
SRT	T-AA200	Cornea
SRT	T-AA500	Iris
SRT	T-AA700	Lens
SRT	T-AA630	Optic nerve head
SRT	T-AA610	Retina
SRT	T-AA110	Sclera
SRT	T-AA079	Vitreous
SRT	T-AA220	Corneal epithelium
SRT	T-AA260	Corneal endothelium

CID 4214 Ophthalmic Horizontal Directions

Context ID 4214
Ophthalmic Horizontal Directions

Type: Extensible Version: 20080124

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-C028	Inward
SRT	R-404C7	Outward

CID 4215 Ophthalmic Vertical Directions

Context ID 4215
Ophthalmic Vertical Directions

Type: Extensible Version:20080124

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404BE	Up
SRT	R-404B3	Down

CID 4216 Ophthalmic Visual Acuity Type

Context ID 4216
Ophthalmic Visual Acuity Type

Type: Extensible Version: 20080124

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111685	Autorefraction Visual Acuity
DCM	111686	Habitual Visual Acuity
DCM	111687	Prescription Visual Acuity
SRT	F-04ECE	Potential Acuity Meter Visual Acuity
SRT	F-04D54	Best Corrected Visual Acuity
SRT	F-04D53	Uncorrected Visual Acuity
SRT	F-04D55	Pinhole Visual Acuity
SRT	F-04ECF	Brightness Acuity Testing Visual Acuity

CID 4220 Visual Fixation Quality During Acquisition

Context ID 4220
Visual Fixation Quality During Acquisition

Type: Extensible Version: 20090917

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A555	Steady
SRT	G-A556	Not Steady
SRT	G-A385	Indeterminate

CID 4221 Visual Fixation Quality Problem

Context ID 4221
Visual Fixation Quality Problem

Type: Extensible Version: 20090917

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110518	Patient Movement
SRT	F-02FA4	Eccentric Fixation
DCM	110519	Operator Error
DCM	110501	Equipment failure

CID 4222 Ophthalmic Macular Grid Problem

Context ID 4222
Ophthalmic Macular Grid Problem

Type: Extensible **Version: 20090917**

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 4221 Visual Fixation Quality Problem		
SRT	F-0123A	Constricted Pupil
SRT	DA-73402	Lens Opacity
SRT	DA-75300	Corneal Opacity
SRT	DA-7931D	Vitreous Opacity
SRT	R-20839	Poor Visual Fixation
SRT	DA-76000	Eyelid Disease
DCM	111695	Interfering Tears or Drops
SRT	DA-74100	Refractive Error
DCM	111209	Patient Positioning Problem
SRT	F-F1722	Dry Eyes Problem

CID 5000 Languages

Context Group ID 5000 comprises the language tag coding scheme of RFC 3066. The Coding Scheme Designator (0008,0102) shall be RFC3066.

Notes: 1. The RFC 3066 coding scheme is constructed from a primary subtag component encoded using the language codes of ISO 639, plus two codes for extensions for languages not represented in ISO 639. The code optionally includes a second subtag component encoded using the two letter country codes of ISO 3166, or a language code extension registered by the Internet Assigned Names Authority.

2. RFC 3066 may be obtained at http://www.ietf.org/rfc/rfc3066.txt. RFC 3066 obsoletes RFC 1766.

3. ISO 639 may be obtained at http://www.loc.gov/standards/iso639-2/langhome.html.

4. The two letter country codes of ISO 3166 may be obtained at http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html

5. IANA language tag registrations may be obtained at http://www.iana.org/assignments/language-tags

6. In previous editions of the Standard, this Context Group formerly included the three letter language codes of ISO 639-2/B, using Coding Scheme Designator ISO639_2, and several IANA-registered language code extensions, using Coding Scheme Designator IANARFC1766. RFC 3066 identifies a preference for the ISO 639-1 two letter codes to the ISO 639-2 three letter codes, and the ISO 639-2/T (terminology) subset to the ISO 639-2/B (bibliographic) subset.

7. In previous editions of the Standard, this Context Group provided only language identifiers, with national or regional variant identified in a separate attribute or Content Item.

CID 5001 Countries

Context Group ID 5001 comprises the two letter country code scheme of ISO 3166. The Coding Scheme Designator (0008,0102) shall be ISO3166_1.

Note: The two letter country codes of ISO 3166 may be obtained at http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html

CID 5002 Organizations

Context Group ID 5002 comprises the object identifier scheme of ISO 8824-1 and ISO 9834-1, when applied to organizational identifiers (see Section 8.2). The Coding Scheme Designator (0008,0102) shall be ISO_OID.

CID 6000 Overall Breast Composition

Context ID 6000
Overall Breast Composition

Type: Extensible Version: 20020904

Note: In future extensions, Overall Breast Composition terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6001		

CID 6001 Overall Breast Composition from BI-RADS®

Context ID 6001
Overall Breast Composition from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E77)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01711	Almost entirely fat
SRT	F-01712	Scattered fibroglandular densities
SRT	F-01713	Heterogeneously dense
SRT	F-01714	Extremely dense

CID 6002 Change Since Last Mammogram or Prior Surgery

Context ID 6002
Change Since Last Mammogram or Prior Surgery

Type: Extensible Version: 20020904

Note: In future extensions, Change Since Last Mammogram or Prior Surgery terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6003		

CID 6003 Change Since Last Mammogram or Prior Surgery from BI-RADS®

Context ID 6003
Change Since Last Mammogram or Prior Surgery from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E79)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01721	New finding
SRT	F-01722	Finding partially removed
SRT	F-01723	No significant changes in the finding
SRT	M-02520	Increase in size
SRT	M-02530	Decrease in size
SRT	F-01726	Increase in number of calcifications
SRT	F-01727	Decrease in number of calcifications
SRT	F-01728	Less defined
SRT	F-01729	More defined
SRT	F-0172A	Removal of implant since previous mammogram
SRT	F-0172B	Implant revised since previous mammogram

CID 6004 Mammography Characteristics of Shape

Context ID 6004
Mammography Characteristics of Shape

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Characteristics of Shape terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6005		

CID 6005 Characteristics of Shape from BI-RADS®

Context ID 6005
Characteristics of Shape from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E80)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-02100	Round shape
SRT	M-02120	Ovoid shape (Oval)
SRT	G-A640	Lobular
SRT	G-A402	Irregular

CID 6006 Mammography Characteristics of Margin

Context ID 6006
Mammography Characteristics of Margin

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Characteristics of Margin terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6007		

CID 6007 Characteristics of Margin from BI-RADS®

Context ID 6007
Characteristics of Margin from BI-RADS®

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01741	Circumscribed lesion
SRT	F-01742	Microlobulated lesion
SRT	F-01743	Obscured lesion
SRT	F-01744	Indistinct lesion
SRT	F-01745	Spiculated lesion
DCM	111343	Angular margins

CID 6008 Density Modifier

Context ID 6008
Density Modifier

Type: Extensible Version: 20020904

Note: In future extensions, Density Modifier terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6009		

CID 6009 Density Modifier from BI-RADS®

Context ID 6009
Density Modifier from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E82)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01751	High density lesion
SRT	F-01752	Equal density (isodense) lesion
SRT	F-01753	Low density (not containing fat) lesion
SRT	F-01754	Fat containing (radiolucent) lesion

CID 6010 Mammography Calcification Types

Context ID 6010
Mammography Calcification Types

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Calcification Types terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6011		

CID 6011 Calcification Types from BI-RADS®

Context ID 6011
Calcification Types from BI-RADS®

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01761	Coarse (popcorn-like) calcification
SRT	F-01762	Dystrophic calcification
SRT	F-01763	Eggshell calcification
SRT	F-01764	Large rod-like calcification
SRT	F-01765	Milk of calcium calcification
SRT	F-01766	Lucent-centered calcification
SRT	F-01767	Punctate calcification
SRT	F-01768	Round shaped calcification
SRT	F-01769	Calcified skin of breast
SRT	F-0176A	Calcified suture material
SRT	F-0176B	Vascular calcification
SRT	F-0176C	Amorphous calcification
SRT	F-0176D	Fine, linear (casting) calcification
SRT	F-0176E	Fine linear, branching (casting) calcification

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-0176F	Heterogeneous calcification
DCM	111344	Fine pleomorphic calcification
SRT	D7-90435	Microcalcifications of the breast
DCM	111345	Macrocalcifications

CID 6012 Calcification Distribution Modifier

Context ID 6012
Calcification Distribution Modifier

Type: Extensible Version: 20020904

Note: In future extensions, Calcification Distribution Modifier terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6013		

CID 6013 Calcification Distribution Modifier from BI-RADS®

Context ID 6013
Calcification Distribution Modifier from BI-RADS®

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01770	Diffuse calcification distribution
SRT	F-01771	Linear calcification distribution
SRT	F-01772	Grouped calcification distribution
SRT	F-01773	Regional calcification distribution
SRT	F-01774	Segmental calcification distribution
DCM	111346	Calcifications within a mass
DCM	111347	Calcifications outside of a mass

CID 6014 Mammography Single Image Finding

Context ID 6014
Mammography Single Image Finding

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Single Image Finding terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6015		
DCM	111099	Selected region
DCM	111100	Breast geometry
DCM	111101	Image Quality
DCM	111102	Non-lesion
SRT	T-04100	Nipple

CID 6015 Single Image Finding from BI-RADS®

Context ID 6015
Single Image Finding from BI-RADS®

Type: Extensible Version: 20050822

Note: Collected from BI-RADS®

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT		F-01796	Mammographic breast density
SRT		F-01776	Individual Calcification
SRT		F-01775	Calcification Cluster
SRT		F-01795	Architectural distortion of breast
SRT		F-01797	Tubular density
SRT		T-C4351	Intra-mammary lymph node
SRT		F-01798	Trabecular thickening of breast
SRT		F-01710	Breast composition
SRT		F-01799	Skin retraction of breast
SRT		F-0179A	Skin thickening of breast
BI	3.0	I.E.6	Axillary adenopathy
SRT		D0-00050	Skin lesion
DCM		111111	Cooper’s ligament changes
SRT		M-36300	Edema
DCM		111112	Mass in the skin
DCM		111113	Mass on the skin
SRT		T-C4710	Axillary lymph node

CID 6016 Mammography Composite Feature

Context ID 6016
Mammography Composite Feature

Type: Extensible Version: 20050110

Note: In future extensions, Mammography Composite Feature terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111459	Mass with calcifications
Include CID 6014		
Include CID 6017		

CID 6017 Composite Feature from BI-RADS®

Context ID 6017
Composite Feature from BI-RADS®

Type: Extensible Version: 20020904

Note: Collected from BI-RADS® Third Edition

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01791	Mammographic breast mass
SRT	F-01792	Focal asymmetric breast tissue
SRT	F-01793	Asymmetric breast tissue

CID 6018 Clockface Location or Region

Context ID 6018
Clockface Location or Region

Type: Extensible Version: 20020904

Note: In future extensions, Clockface Location or Region terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6019		
SRT	T-D3050	Chest wall

CID 6019 Clockface Location or Region from BI-RADS®

Context ID 6019
Clockface Location or Region from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® 3.1, with Addendum 3.1 (National Mammography Database, E96)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01781	1 o'clock position
SRT	F-01782	2 o'clock position

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01783	3 o'clock position
SRT	F-01784	4 o'clock position
SRT	F-01785	5 o'clock position
SRT	F-01786	6 o'clock position
SRT	F-01787	7 o'clock position
SRT	F-01788	8 o'clock position
SRT	F-01789	9 o'clock position
SRT	F-0178A	10 o'clock position
SRT	F-0178B	11 o'clock position
SRT	F-0178C	12 o'clock position
SRT	F-0178D	Subareolar region
SRT	F-0178E	Axillary tail region
SRT	F-0178F	Central region of breast
SRT	F-01794	Axilla region

CID 6020 Quadrant Location

Context ID 6020
Quadrant Location

Type: Extensible Version: 20020904

Note: In future extensions, Quadrant Location terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6021		

CID 6021 Quadrant Location from BI-RADS®

Context ID 6021
Quadrant Location from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E97)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-04004	Upper outer quadrant of breast
SRT	T-04002	Upper inner quadrant of breast
SRT	T-04005	Lower outer quadrant of breast
SRT	T-04003	Lower inner quadrant of breast

CID 6022 Side

Context ID 6022
Side

Type: Non-Extensible Version: 20020904

Note: In future extensions, Side terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6023		

CID 6023 Side from BI-RADS®

Context ID 6023
Side from BI-RADS®

Type: Non-Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E98)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-04030	Left breast
SRT	T-04020	Right breast
SRT	T-04080	Both breasts

CID 6024 Depth

Context ID 6024
Depth

Type: Extensible Version: 20020904

Note: In future extensions, Depth terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6025		

CID 6025 Depth from BI-RADS®

Context ID 6025
Depth from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition (National Mammography Database, E99)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A105	Anterior
SRT	G-A109	Middle
SRT	G-A106	Posterior

CID 6026 Mammography Assessment

Context ID 6026
Mammography Assessment

Type: Extensible Version: 20050822

Note: In future extensions, Mammography Assessment terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6027		
DCM	111120	Post Procedure Mammograms for Marker Placement

CID 6027 Assessment from BI-RADS®

Context ID 6027
Assessment from BI-RADS®

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
BI	3.0	II.AC.a	0 - Need additional imaging evaluation
BI	3.0	II.AC.b.1	1 – Negative
BI	3.0	II.AC.b.2	2 – Benign Finding
BI	3.0	II.AC.b.3	3 - Probably Benign Finding – short interval follow-up
BI	3.0	II.AC.b.4	4 - Suspicious abnormality, biopsy should be considered
BI	4.0	MA.II.A.5.4A	4A – Low suspicion
BI	4.0	MA.II.A.5.4B	4B – Intermediate suspicion
BI	4.0	MA.II.A.5.4C	4C – Moderate suspicion
BI	3.0	II.AC.b.5	5 - Highly suggestive of malignancy, take appropriate action
BI	4.0	MA.II.A.5.6	6 - Known biopsy proven malignancy

CID 6028 Mammography Recommended Follow-up

Context ID 6028
Mammography Recommended Follow-up

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Recommended Follow-up terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6029		
DCM	111121	Follow-up post biopsy as directed by clinician
SRT	P0-006F1	Nuclear medicine procedure
SRT	P0-009B4	Evaluation procedure
DCM	111410	Surgical consult

CID 6029 Recommended Follow-up from BI-RADS®

Context ID 6029
Recommended Follow-up from BI-RADS®

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111135	Additional projections
SRT	R-102D6	Magnification views
SRT	R-102D7	Spot compression
DCM	111136	Spot magnification view(s)
SRT	P5-B0099	Ultrasound procedure
DCM	111138	Old films for comparison
SRT	P5-40060	Mammary ductogram
DCM	111140	Normal interval follow-up
DCM	111141	Any decision to biopsy should be based on clinical assessment
DCM	111142	Follow-up at short interval (1-11 months)
DCM	111143	Biopsy should be considered
DCM	111144	Needle localization and biopsy
DCM	111145	Histology using core biopsy
DCM	111146	Suggestive of malignancy – take appropriate action
DCM	111147	Cytologic analysis
DCM	111148	Biopsy should be strongly considered
DCM	111149	Highly suggestive of malignancy – take appropriate action

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111122	Known biopsy proven malignancy – take appropriate action
SRT	P5-0900D	MRI of breast

CID 6030 Mammography Pathology Codes

Context ID 6030
Mammography Pathology Codes

Type: Extensible Version: 20020904

Note: In future extensions, Mammography Pathology Codes terms that are not derived from BI-RADS® should be added to this context group.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6031		
Include CID 6032		
Include CID 6033		

CID 6031 Benign Pathology Codes from BI-RADS®

Context ID 6031
Benign Pathology Codes from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-41610	Abscess
SRT	M-74200	Adenosis
SRT	M-81400	Adenoma
SRT	M-83240	Adenolipoma
SRT	M-73310	Apocrine Metaplasia
SRT	M-89830	Adenomyoepithelioma
SRT	M-55160	Amyloid (tumor)
DCM	111251	Normal axillary node
SRT	M-88610	Angiolipoma
DCM	111252	Axillary node with calcifications
SRT	M-76100	Angiomatosis
DCM	111253	Axillary node hyperplasia
SRT	F-8A063	Asynchronous involution of breast
SRT	D7-90360	Cyst of breast

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111255	Benign cyst with blood
DCM	111256	Benign Calcifications
SRT	M-92200	Chondroma
SRT	M-85040	Intracystic papilloma
DCM	111258	Ductal adenoma
SRT	D7-90370	Mammary duct ectasia
DCM	111259	Diabetic fibrous mastopathy
SRT	M-72170	Ductal hyperplasia, Usual
SRT	M-88211	Extra abdomenal desmoid
SRT	D4-48014	Ectopic (accessory) breast tissue
SRT	M-33410	Epidermal inclusion cyst
SRT	M-36300	Edema
SRT	M-90100	Fibroadenoma
DCM	111263	Fibroadenomatoid hyperplasia
DCM	111264	Fibroadenolipoma
SRT	M-44140	Foreign body (reaction)
SRT	D7-90310	Fibrocystic disease of breast
SRT	M-78266	Focal fibrosis
SRT	M-78800	Fibromatosis
SRT	D7-90434	Fat necrosis of breast
SRT	D7-90364	Galactocele
SRT	M-95800	Granular cell tumor
SRT	M-90160	Giant fibroadenoma
SRT	D7-90420	Gynecomastia
SRT	M-75500	Hamartoma
SRT	M-91200	Hemangioma
SRT	D3-F0620	Hemangioma of subcutaneous tissue
SRT	M-91220	Hemangioma – venous
SRT	M-35060	Hematoma
SRT	M-72000	Hyperplasia, usual
SRT	D7-90452	Infarction of breast
SRT	M-40000	Inflammation
SRT	T-C4351	Intra-mammary lymph node
SRT	M-85030	Intraductal papilloma
SRT	M-90300	Juvenile fibroadenoma
DCM	111277	Juvenile papillomatosis
SRT	M-82040	Lactating adenoma
SRT	M-88500	Lipoma of the breast

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111279	Lactational change
SRT	D7-90428	Breast lobular hyperplasia
SRT	M-88900	Leiomyoma
SRT	T-C4000	Lymph node
DCM	111281	Large duct papilloma
SRT	D3-87780	Thrombophlebitis of breast (Mondor's disease)
SRT	M-88250	Myofibroblastoma
DCM	111284	Microglandular adenosis
DCM	111285	Multiple Intraductal Papillomas
DCM	111286	No abnormality
DCM	111287	Normal breast tissue
SRT	M-95400	Neurofibroma
SRT	M-95401	Neurofibromatosis
SRT	D7-F0810	Benign neoplasm of nipple of female breast (Nipple adenoma)
DCM	111290	Oil cyst (fat necrosis cyst)
SRT	M-80500	Papilloma
SRT	M-89400	Pleomorphic adenoma
DCM	111291	Post reduction mammoplasty
DCM	111292	Pseudoangiomatous stromal hyperplasia
SRT	M-78731	Radial scar
SRT	M-74220	Sclerosing adenosis
SRT	M-36050	Seroma
DCM	111296	Silicone granuloma
SRT	M-78060	Scar tissue
SRT	M-82110	Tubular adenoma
DCM	111298	Virginal hyperplasia

CID 6032 High Risk Lesions Pathology Codes from BI-RADS®

Context ID 6032
High Risk Lesions Pathology Codes from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-72175	Atypical intraductal hyperplasia
SRT	M-72105	Atypical lobular hyperplasia

SRT	D7-F0A02	Lobular carcinoma in situ of breast
DCM	111299	Peripheral duct papillomas
SRT	M-90201	Phyllodes tumor

CID 6033 Malignant Pathology Codes from BI-RADS®

Context ID 6033
Malignant Pathology Codes from BI-RADS®

Type: Extensible Version: 20020904

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-82003	Adenoid cystic carcinoma
DCM	111300	Axillary node with lymphoma
DCM	111301	Axillary nodal metastases
SRT	M-84013	Apocrine adenocarcinoma
SRT	M-91203	Angiosarcoma
DCM	111307	Basal cell carcinoma of nipple
DCM	111303	Blood vessel (vascular) invasion
SRT	M-84803	Mucinous adenocarcinoma (Colloid carcinoma)
DCM	111304	Carcinoma in children
SRT	M-92203	Chondrosarcoma
DCM	111305	Carcinoma in ectopic breast
DCM	111306	Carcinoma with endocrine differentiation
SRT	M-85012	Comedocarcinoma (intraductal)
SRT	D7-F0902	Carcinoma in situ of male breast
SRT	M-85733	Carcinoma with metaplasia
DCM	111309	Cartilaginous and osseous change
DCM	111310	Carcinoma in pregnancy and lactation
SRT	M-89803	Carcinosarcoma
DCM	111312	Intraductal comedocarcinoma with necrosis
DCM	111341	Intraductal carcinoma, high grade
DCM	111313	Intraductal carcinoma, low grade
SRT	M-85072	Intraductal carcinoma micro-papillary
SRT	M-88103	Fibrosarcoma
SRT	M-83153	Glycogen-rich carcinoma
SRT	M-91501	Hemangiopericytoma
SRT	M-96503	Hodgkin’s disease (lymphoma)
SRT	M-82013	Invasive cribriform carcinoma
DCM	111315	Intracystic papillary carcinoma
SRT	M-85003	Infiltrating duct carcinoma

DCM	111316	Invasive and in-situ carcinoma
SRT	M-85203	Invasive lobular carcinoma
SRT	M-85303	Inflammatory carcinoma
SRT	M-80503	Papillary carcinoma (invasive)
DCM	111318	Leukemic infiltration
SRT	M-88903	Leiomyosarcoma
SRT	M-88503	Liposarcoma
SRT	M-83143	Lipid-rich (lipid-secreting) carcinoma
DCM	111320	Lympathic vessel invasion
SRT	M-95903	Lymphoma
DCM	111322	Occult carcinoma presenting with axillary lymph node metastases
DCM	111323	Metastatic cancer to the breast
DCM	111324	Metastatic cancer to the breast from the colon
DCM	111325	Metastatic cancer to the breast from the lung
DCM	111326	Metastatic melanoma to the breast
DCM	111327	Metastatic cancer to the breast from the ovary
DCM	111328	Metastatic sarcoma to the breast
SRT	M-85103	Medullary carcinoma
DCM	111329	Multifocal intraductal carcinoma
DCM	111330	Metastatic disease to axillary node
SRT	M-88303	Malignant fibrous histiocytoma
DCM	111332	Multifocal invasive ductal carcinoma
DCM	111333	Metastasis to an intramammary lymph node
DCM	111334	Malignant melanoma of nipple
SRT	M-95913	Non-Hodgkin’s lymphoma
SRT	D0-F035F	Neoplasm of the mammary skin
SRT	M-91803	Osteogenic sarcoma
SRT	M-80502	Papillary carcinoma in-situ
SRT	M-85403	Paget’s disease, mammary (of the nipple)
SRT	M-97313	Plasmacytoma
SRT	M-90203	Phyllodes tumor, malignant
DCM	111338	Recurrent malignancy
SRT	M-84903	Signet ring cell carcinoma
DCM	111340	Squamous cell carcinoma of the nipple
SRT	M-78190	Spindle cell nodule (tumor)
SRT	M-85023	Secretory (juvenile) carcinoma of the breast
SRT	M-80703	Squamous cell carcinoma
SRT	M-82113	Tubular adenocarcinoma

CID 6034 Intended Use of CAD Output

Context ID 6034
Intended Use of CAD Output
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111150	Presentation Required: Rendering device is expected to present
DCM	111151	Presentation Optional: Rendering device may present
DCM	111152	Not for Presentation: Rendering device expected not to present

CID 6035 Composite Feature Relations

Context ID 6035
Composite Feature Relations
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111153	Target content items are related temporally
DCM	111154	Target content items are related spatially
DCM	111155	Target content items are related contra-laterally

CID 6036 Scope of Feature

Context ID 6036
Scope of Feature
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111156	Feature detected on the only image
DCM	111157	Feature detected on only one of the images
DCM	111158	Feature detected on multiple images
DCM	111159	Feature detected on images from multiple modalities

CID 6037 Mammography Quantitative Temporal Difference Type

Context ID 6037
Mammography Quantitative Temporal Difference Type
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-017B1	Difference in size
SRT	F-017B2	Difference in opacity
SRT	F-017B3	Difference in location
SRT	F-017B4	Difference in spatial proximity
SRT	F-017B5	Difference in number of calcifications

CID 6038 Mammography Qualitative Temporal Difference Type

Context ID 6038
Mammography Qualitative Temporal Difference Type
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-017B6	Difference in shape
SRT	F-017B7	Difference in margin
SRT	F-017B8	Difference in symmetry

CID 6039 Nipple Characteristic

Context ID 6039
Nipple Characteristic
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-02000	Normal shape
SRT	D7-90554	Nipple retraction

CID 6040 Non-Lesion Object Type

Context ID 6040
Non-Lesion Object Type
Type: Extensible Version: 20091029

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-04010	Implant
SRT	M-78060	Scar tissue
SRT	A-32475	BB shot (Lead Pellet)
SRT	A-00D7B	Opaque Marker
SRT	A-32110	Bullet
SRT	A-1016B	J Wire
SRT	A-13600	Staple
SRT	A-13510	Suture material
SRT	A-12062	Clip
SRT	A-11101	Cardiac Pacemaker
SRT	A-26800	Catheter
SRT	A-10042	Compression paddle
SRT	A-10044	Collimator
SRT	A-16016	ID Plate
SRT	C-B0300	Contrast agent
DCM	111175	Other Marker
DCM	111176	Unspecified

Note: This Context Group formerly included SNOMED code J-83250, which has been replaced with A-00D7B. See Annex J.

CID 6041 Mammography Image Quality Finding

Context ID 6041
Mammography Image Quality Finding
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Source
DCM	111177	View and Laterality Marker is missing	MQSA
DCM	111178	View and Laterality Marker does not have both view and laterality	MQCM 1999
DCM	111179	View and Laterality Marker does not have approved codes	MQCM 1999

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Source
DCM	111180	View and Laterality Marker is not near the axilla	MQCM 1999
DCM	111181	View and Laterality Marker overlaps breast tissue	MQCM 1999
DCM	111182	View and Laterality Marker is partially obscured	MQCM 1999
DCM	111183	View and Laterality Marker is incorrect	
DCM	111184	View and Laterality Marker is off image	
DCM	111185	Flash is not near edge of film	MQCM 1999
DCM	111186	Flash is illegible, does not fit, or is lopsided	MQSA
DCM	111187	Flash doesn't include patient name and additional patient id	MQCM 1999
DCM	111188	Flash doesn't include date of examination	MQCM 1999
DCM	111189	Flash doesn't include facility name and location	MQSA
DCM	111190	Flash doesn't include technologist identification	MQCM 1999
DCM	111191	Flash doesn't include cassette/screen/detector identification	MQCM 1999
DCM	111192	Flash doesn't include mammography unit identification	MQCM 1999
DCM	111193	Date sticker is missing	MQCM 1999
DCM	111194	Technical factors missing	MQCM 1999
DCM	111195	Collimation too close to breast	MQCM 1999
DCM	111196	Inadequate compression	MQCM 1999
DCM	111197	MLO Insufficient pectoral muscle	MQCM 1999
DCM	111198	MLO No fat is visualized posterior to fibroglandular tissues	MQCM 1999
DCM	111199	MLO Poor separation of deep and superficial breast tissues	MQCM 1999
DCM	111200	MLO Evidence of motion blur	MQCM 1999
DCM	111201	MLO Inframammary fold is not open	MQCM 1999
DCM	111202	CC Not all medial tissue visualized	MQCM 1999
DCM	111203	CC Nipple not centered on image	MQCM 1999
DCM	111204	CC Posterior nipple line does not measure within 1 cm of MLO	MQCM 1999
DCM	111205	Nipple not in profile	
DCM	111206	Insufficient implant displacement	MQCM 1999

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Source
		incorrect	
DCM	111208	Grid artifact(s)	
DCM	111209	Positioning	
DCM	111210	Motion blur	
DCM	111211	Under exposed	
DCM	111212	Over exposed	
DCM	111213	No image	
DCM	111214	Detector artifact(s)	
DCM	111215	Artifact(s) other than grid or detector artifact	
DCM	111216	Mechanical failure	
DCM	111217	Electrical failure	
DCM	111218	Software failure	
DCM	111219	Inappropriate image processing	
DCM	111220	Other failure	
DCM	111221	Unknown failure	

CID 6042 Status of Results

Context ID 6042
Status of Results
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111222	Succeeded
DCM	111223	Partially Succeeded
DCM	111224	Failed
DCM	111225	Not Attempted

CID 6043 Types of Mammography CAD Analysis

Context ID 6043
Types of Mammography CAD Analysis
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	
SRT	P5-B3402	Spatial collocation analysis	See Note 1
SRT	P5-B3404	Spatial proximity analysis	See Note 2
SRT	P5-B3406	Temporal correlation	
SRT	P5-B3408	Image quality analysis	
SRT	P5-B3410	Focal asymmetric density analysis	
SRT	P5-B3412	Asymmetric breast tissue analysis	
SRT	P5-B3414	Breast composition analysis	
DCM	111233	Individual Impression / Recommendation Analysis	
DCM	111234	Overall Impression / Recommendation Analysis	

Notes: 1. Spatial Collocation Analysis is used to identify features that are the same or located in the same place.

2. Spatial Proximity Analysis is used to identify features that are related spatially, such as nipple retraction associated with a spiculated mass.

CID 6044 Types of Image Quality Assessment

Context ID 6044
Types of Image Quality Assessment
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111235	Unusable — Quality renders image unusable
DCM	111236	Usable — Does not meet the quality control standard
DCM	111237	Usable — Meets the quality control standard

CID 6045 Mammography Types of Quality Control Standard

Context ID 6045
Mammography Types of Quality Control Standard
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111238	Mammography Quality Control Manual 1999, ACR
DCM	111239	Title 21 CFR Section 900, Subpart B
DCM	111240	Institutionally defined quality control standard

CID 6046 Units of Follow-up Interval

Context ID 6046
Units of Follow-up Interval
Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	1.4	d	Day
UCUM	1.4	wk	Week
UCUM	1.4	mo	Month
UCUM	1.4	a	Year

CID 6047 CAD Processing and Findings Summary

Context ID 6047
CAD Processing and Findings Summary
Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111241	All algorithms succeeded; without findings
DCM	111242	All algorithms succeeded; with findings
DCM	111243	Not all algorithms succeeded; without findings
DCM	111244	Not all algorithms succeeded; with findings
DCM	111245	No algorithms succeeded; without findings

CID 6048 CAD Operating Point Axis Label

Context ID 6048

CAD Operating Point Axis Label

Type: Extensible Version: 20060612

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111012	Certainty of Finding
DCM	111047	Probability of cancer
DCM	111086	False Markers per Image
DCM	111087	False Markers per Case
DCM	111088	Case Sensitivity
DCM	111089	Lesion Sensitivity
DCM	111090	Case Specificity
DCM	111091	Image Specificity

CID 6050 Breast Procedure Reported

Context ID 6050

Breast Procedure Reported

Type: Extensible Version: 20090819

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111408	Film Screen Mammography
DCM	111409	Digital Mammography
SRT	P5-B8500	Ultrasonography of breast
SRT	P5-0900D	MRI of breast
SRT	P1-48011	Pre-biopsy localization of breast lesion
SRT	P1-48145	Fine needle aspiration of breast
SRT	P1-48142	Diagnostic aspiration of breast cyst
SRT	P1-48304	Core needle biopsy of breast
SRT	P1-4830F	Breast – surgical biopsy
SRT	P5-40060	Mammary ductogram
SRT	P5-0801C	CT of breast
SRT	P5-D0042	Radionuclide localization of tumor, limited area
SRT	P5-40030	Specimen radiography of breast
SRT	P2-4A000	Examination of breast
DCM	111410	Surgical consult
DCM	111411	Mammography CAD

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P1-65359	Sentinel lymph node biopsy
SRT	P5-D0061	Radioisotope scan of lymphatic system
DCM	111123	Marker placement
SRT	P1-05535	Insertion of catheter

CID 6051 Breast Procedure Reason

Context ID 6051

Breast Procedure Reason

Type: Extensible Version: 20050822

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6061		
DCM	111415	Additional evaluation requested from prior study
DCM	111416	Follow-up at short interval from prior study
DCM	111417	History of breast augmentation, asymptomatic
DCM	111418	Review of an outside study
DCM	111402	Clinical finding
SRT	P1-48830	Reduction mammoplasty
SRT	P5-C0000	Radiation therapy
SRT	P1-48840	Augmentation mammoplasty
DCM	111419	Additional evaluation requested from abnormal screening exam
SRT	P5-C0610	Brachytherapy
DCM	111420	History of benign breast biopsy
DCM	111421	Personal history of breast cancer with breast conservation therapy
DCM	111124	Personal history of breast cancer with mastectomy
DCM	111125	Known biopsy proven malignancy
SRT	G-03D3	Personal history of breast cancer
DCM	111590	Recall for technical reasons
DCM	111591	Recall for imaging findings
DCM	111592	Recall for patient symptoms/ clinical findings

CID 6052 Breast Imaging Report section title

Context ID 6052

Breast Imaging Report Section Title

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111423	Physical Examination Results
DCM	111424	Comparison to previous exams
DCM	121070	Findings
DCM	121072	Impressions
DCM	121074	Recommendations
DCM	121076	Conclusions
DCM	121078	Addendum
SRT	F-01710	Breast composition
DCM	111413	Overall Assessment
DCM	121058	Procedure reported
DCM	111401	Reason for procedure

CID 6053 Breast Imaging Report Elements

Context ID 6053

Breast Imaging Report Elements

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111423	Physical Examination Results
DCM	111424	Comparison to previous exams
DCM	121071	Finding
DCM	121073	Impression
DCM	121075	Recommendation
DCM	121077	Conclusion
SRT	F-01710	Breast composition
DCM	111413	Overall Assessment
DCM	121058	Procedure reported
DCM	111401	Reason for procedure

CID 6054 Breast Imaging Findings

Context ID 6054

Breast Imaging Findings

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-8A084	Breast normal
SRT	F-8A057	Calcification of breast
SRT	A-04010	Implant
Include CID 6016		
Include CID 6057		
Include CID 6064		

CID 6055 Breast Clinical Finding or Indicated Problem

Context ID 6055

Breast Clinical Finding or Indicated Problem

Type: Extensible Version: 20050822

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-207D7	O/E - Breast lump palpated
SRT	D7-90565	Bloody nipple discharge
DCM	111478	Non-bloody discharge (from nipple)
DCM	111479	Difficult physical/clinical examination
SRT	D7-90010	Disorder of breast implant
SRT	F-0179A	Skin thickening of breast
SRT	F-01799	Skin retraction of breast
SRT	D7-90560	Peau d'orange surface of breast
SRT	F-8A09C	Nipple problem
SRT	R-20099	O/E – axillary lymphadenopathy
SRT	F-8A030	Breast pain
DCM	111480	Cancer elsewhere
SRT	D7-90530	Breast lump
SRT	F-8A074	Discoloration of skin of breast
SRT	F-01760	Radiographic calcification finding
DCM	111126	Image detected mass
SRT	F-03753	Nipple discharge symptom
SRT	F-4410C	Erythema

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-20681	O/E – lymphadenopathy NOS
SRT	DF-00577	Disseminated malignancy of unknown primary

CID 6056 Associated Findings for Breast

Context ID 6056

Associated Findings for Breast

Type: Extensible Version: 20040112

Note: These terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	D7-9002A	Breast hematoma
SRT	M-78280	Surgical scar
SRT	D7-90554	Nipple retraction
Include CID 6015		

CID 6057 Ductography Findings for Breast

Context ID 6057

Ductography Findings for Breast

Type: Extensible Version: 20040112

Note: These terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111287	Normal breast tissue
DCM	111425	Intraluminal filling defect
SRT	D7-90370	Mammary duct ectasia
DCM	111426	Multiple filling defect
DCM	111427	Abrupt duct termination
DCM	111428	Extravasation
DCM	111429	Duct narrowing
DCM	111430	Cyst fill

CID 6058 Procedure Modifiers for Breast

Context ID 6058

Procedure Modifiers for Breast

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6059		
Include CID 6060		
Include CID 6061		
Include CID 12224		

CID 6059 Breast Implant Types

Context ID 6059

Breast Implant Types

Type: Extensible Version: 20040112

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-04830	Breast implant, type not specified
SRT	A-04831	Silicone gel implant
DCM	111481	Saline implant
DCM	111482	Polyurethane implant
DCM	111483	Percutaneous silicone injection
DCM	111484	Combination implant
DCM	111485	Pre-pectoral implant
DCM	111486	Retro-pectoral implant

CID 6060 Breast Biopsy Techniques

Context ID 6060

Breast Biopsy Techniques

Type: Extensible Version: 20050822

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P1-03005	Lumpectomy
SRT	P1-43850	Mastectomy

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P1-4834A	Quadrantectomy of breast
SRT	P5-00032	Diagnostic radiography, stereotactic localization
SRT	P5-B0700	Ultrasonic guidance procedure
SRT	P5-40010	Mammography
DCM	111487	Mammographic (crosshair)
DCM	111488	Mammographic (grid)
SRT	P1-03107	Magnetic resonance imaging guided biopsy
SRT	P1-03106	Computed tomography guided biopsy
DCM	111489	Palpation guided
DCM	111490	Vacuum assisted

Note: In a prior version of this Context Group, the code P1-03115 was specified for the concept “Ultrasound guided biopsy”. The use of this code is too restrictive, and its use in this context is deprecated. There is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use.

CID 6061 Breast Imaging Procedure Modifiers

Context ID 6061

Breast Imaging Procedure Modifiers

Type: Extensible Version: 20090819

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-42453	Screening
SRT	R-408C3	Diagnostic
DCM	111127	Targeted
DCM	111128	Survey
DCM	122505	Calibration
DCM	110002	Quality Control
DCM	111144	Needle localization and biopsy
DCM	111123	Marker placement

CID 6062 Interventional Procedure Complications

Context ID 6062

Interventional Procedure Complications

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	DD-66A67	Hemorrhage postprocedure

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111491	Abnormal discharge
SRT	F-0147C	Hematoma - postoperative
SRT	D0-00165	Weal
SRT	DD-67700	Infection as complication of medical care
SRT	F-A2632	Persistent pain following procedure
SRT	D2-80300	Pneumothorax
SRT	D0-00058	Rash
SRT	M-02570	Swelling
SRT	F-A5581	Vasovagal attack
DCM	111492	No complications

CID 6063 Interventional Procedure Results

Context ID 6063

Interventional Procedure Results

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A249	Benign
SRT	R-41DDC	High risk tumor
SRT	G-A245	Malignant
SRT	M-09024	Insufficient sample
SRT	F-01E06	Indeterminate result

CID 6064 Ultrasound Findings for Breast

Context ID 6064

Ultrasound Findings for Breast

Type: Extensible Version: 20050822

Note: These terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01BF8	Ultrasound scan normal
SRT	D7-90360	Simple cyst of breast
DCM	111460	Complex cyst
DCM	111461	Intracystic lesion
SRT	D7-90370	Mammary duct ectasia
DCM	111462	Solid mass
SRT	T-C4000	Lymph node
SRT	D7-90382	Sebaceous cyst of skin of breast
DCM	111129	Clustered microcysts
DCM	111130	Complicated cyst
SRT	M-30400	Foreign body

CID 6065 Instrument Approach

Context ID 6065

Instrument Approach

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A109	Medial
SRT	G-A104	Lateral
SRT	G-A116	Superior
SRT	G-A115	Inferior
DCM	111432	Inferolateral to superomedial
DCM	111433	Inferomedial to superolateral
DCM	111434	Superolateral to inferomedial
DCM	111435	Superomedial to inferolateral

CID 6066 Target Confirmation

Context ID 6066

Target Confirmation

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111443	Target contained in the specimen
DCM	111444	Target partially obtained in the specimen
DCM	111445	Target not in the specimen
DCM	111446	Calcifications seen in the core
DCM	111447	Lesion completely removed
DCM	111448	Lesion partially removed
DCM	111449	Fluid obtained

CID 6067 Fluid Color

Context ID 6067

Fluid Color

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A12B	White color
SRT	G-A11D	Yellow color
DCM	111450	Light brown color
SRT	G-A11E	Green color
SRT	G-A12D	Gray color
DCM	111451	Dark red color
DCM	111452	Dark brown color
SRT	R-4205B	Clear
SRT	G-A12E	Brown color
DCM	111453	Bright red color
DCM	111454	Blood tinged color
SRT	G-A12C	Black color

CID 6068 Tumor Stages from AJCC

Context ID 6068

Tumor Stages from AJCC

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111494	Stage 0
DCM	111495	Stage I
DCM	111496	Stage IIA
DCM	111497	Stage IIB
DCM	111498	Stage IIIA
DCM	111499	Stage IIIB
DCM	111500	Stage IIIC
DCM	111501	Stage IV

CID 6069 Nottingham Combined Histologic Grade

Context ID 6069

Nottingham Combined Histologic Grade

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-02B9B	Nottingham Combined Grade cannot be determined
SRT	G-F616	Nottingham Combined Grade I: 3-5 points
SRT	G-F617	Nottingham Combined Grade II: 6-7 points
SRT	G-F618	Nottingham Combined Grade III: 8-9 points

CID 6070 Bloom-Richardson Histologic Grade

Context ID 6070

Bloom-Richardson Histologic Grade

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-F211	Grade 1: well differentiated
SRT	G-F212	Grade 2: moderately differentiated
SRT	G-F213	Grade 3: poorly differentiated
SRT	R-41DC5	Grade 4: undifferentiated

CID 6071 Histologic Grading Method

Context ID 6071

Histologic Grading Method

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111502	Bloom-Richardson Grade
SRT	R-00288	Nottingham Combined Grade

CID 6072 Breast Implant Findings

Context ID 6072

Breast Implant Findings

Type: Extensible Version: 20040112

Note: These terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111503	Normal implants
DCM	111504	Asymmetric implants
DCM	111505	Calcified implant
DCM	111506	Distorted implant
DCM	111507	Silicone-laden lymph nodes
DCM	111508	Free silicone
DCM	111509	Herniated implant
SRT	DD-66544	Rupture of breast implant
DCM	111510	Explantation

CID 6080 Gynecological Hormones

Context ID 6080

Gynecological Hormones

Type: Extensible Version: 20050822

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-B1700	Contraceptives
SRT	C-A0900	Estrogen product

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-A1204	Progesterone product
SRT	C-781E0	Tamoxifen
DCM	111542	Unspecified gynecological hormone
SRT	C-A0005	Raloxifene
SRT	F-61B21	Anastrozole

CID 6081 Breast Cancer Risk Factors

Context ID 6081

Breast Cancer Risk Factors

Type: Extensible Version: 20040112

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111550	Personal breast cancer history
DCM	111551	History of endometrial cancer
DCM	111552	History of ovarian cancer
DCM	111553	History of high risk lesion on previous biopsy
DCM	111554	Post menopausal patient
SRT	F-84430	Nulliparous
DCM	111555	Late child bearing (after 30)
DCM	111556	BRCA1 breast cancer gene
DCM	111557	BRCA2 breast cancer gene
DCM	111558	BRCA3 breast cancer gene
SRT	G-0325	Family history of breast cancer
DCM	111559	Weak family history of breast cancer
DCM	111560	Intermediate family history of breast cancer
DCM	111561	Very strong family history of breast cancer
DCM	111562	Family history of prostate cancer
DCM	111563	Family history unknown
SRT	R-207AD	No family history of breast carcinoma

CID 6082 Gynecological Procedures

Context ID 6082

Gynecological Procedures

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P0-05CCA	Endometrial biopsy
SRT	P1-8330D	Hysterectomy
SRT	P1-03151	Dilation and curettage

CID 6083 Procedures for Breast

Context ID 6083

Procedures for Breast

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111564	Nipple discharge cytology
Include CID 6050		
Include CID 6084		
Include CID 6085		

CID 6084 Mammoplasty Procedures

Context ID 6084

Mammoplasty Procedures

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P1-48501	Breast implantation
SRT	P1-48830	Reduction mammoplasty
SRT	P1-48820	Breast reconstruction
SRT	P1-48520	Removal of breast implant

CID 6085 Therapies for Breast

Context ID 6085

Therapies for Breast

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P0-0058E	Chemotherapy
SRT	P5-C0000	Radiation therapy
SRT	P0-007AC	Hormone therapy
SRT	P1-67D40	Bone marrow transplant

CID 6086 Menopausal Phase

Context ID 6086

Menopausal Phase

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-41FFF	Before menopause
SRT	R-422A5	During menopause
SRT	R-410C3	After menopause
SRT	D7-76202	Postsurgical menopause
SRT	D7-76200	Artificial menopause state

CID 6087 General Risk Factors

Context ID 6087

General Risk Factors

Type: Extensible Version: 20040112

This context group collects risk factor terms from specialized risk factor context groups into one aggregate list for general purpose use.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 6081		
Include CID 6088		

CID 6088 OB-GYN Maternal Risk Factors

Context ID 6088

OB-GYN Maternal Risk Factors

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-023F	History of – diabetes mellitus
SRT	G-0269	History of - hypertension
SRT	G-0244	History of - obesity
SRT	G-02D0	History of – regular medication
SRT	G-0338	History of substance abuse
SRT	G-0335	History of – cardiovascular disease
DCM	111565	Uterine malformations
SRT	G-0304	History of - ectopic pregnancy
DCM	111566	Spontaneous Abortion
DCM	111567	Gynecologic condition
DCM	111568	Gynecologic surgery
SRT	G-031E	History of - eclampsia
SRT	G-031F	History of – severe pre-eclampsia
DCM	111569	Previous LBW or IUGR birth
DCM	111570	Previous fetal malformation/syndrome
SRT	G-0305	History of – premature delivery
DCM	111571	Previous RH negative or blood dyscrasia at birth
SRT	G-0319	History of infertility
DCM	111572	History of multiple fetuses
SRT	D8-20100	Multiple pregnancy
DCM	111573	Current pregnancy, known or suspected malformations/syndromes
DCM	111574	Family history, fetal malformation/syndrome

CID 6089 Substances

Context ID 6089

Substances

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-21005	Ethyl alcohol
SRT	F-618FF	Amphetamine
SRT	F-6166C	Marijuana derivative
SRT	F-61C76	Cocaine
SRT	F-61AC4	Heroin
SRT	C-63A10	Lysergic acid diethlyamide
SRT	F-6169A	Mescaline
SRT	C-6A180	Phencyclidine
SRT	F-61A95	Methadone
SRT	F-618D7	Morphine
SRT	F-618FE	Methlyphenidate
SRT	C-F3310	Chewing tobacco
SRT	C-F3302	Cigarette smoking tobacco
SRT	F-61117	Caffeine

CID 6090 Relative Usage, Exposure Amount

Context ID 6090

Relative Usage, Exposure Amount

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104
DCM	111575	High
DCM	111576	Medium
DCM	111577	Low
DCM	111587	No known exposure

CID 6091 Relative Frequency of Event Values

Context ID 6091

Relative Frequency of Event Values

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-40377	Continuous
SRT	G-7154	Frequent
SRT	R-40365	Mid-frequency
SRT	G-7155	Infrequent
SRT	R-40B16	As required
SRT	R-4112F	Single event

CID 6092 Quantitative Concepts for Usage, Exposure

Context ID 6092

Quantitative Concepts for Usage, Exposure

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-C0B7	Dosage
DCM	111578	Dose frequency
DCM	111579	Rate of exposure
DCM	111580	Volume of use

CID 6093 Qualitative Concepts for Usage, Exposure Amount

Context ID 6093

Qualitative Concepts for Usage, Exposure Amount

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111581	Relative dose amount
DCM	111582	Relative amount of exposure
DCM	111583	Relative amount of use

CID 6094 Qualitative Concepts for Usage, Exposure Frequency

Context ID 6094

Qualitative Concepts for Usage, Exposure Frequency

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111584	Relative dose frequency
DCM	111585	Relative frequency of exposure
DCM	111586	Relative frequency of use

CID 6095 Numeric Properties of Procedures

Context ID 6095

Numeric Properties of Procedures

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111465	Needle Gauge
DCM	111467	Needle Length

CID 6096 Pregnancy Status

Context ID 6096

Pregnancy Status

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-81890	not pregnant
SRT	F-84094	possible pregnancy
SRT	F-84000	patient currently pregnant
SRT	R-41198	Unknown

CID 6097 Side of Family

Context ID 6097
Side of Family
Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111541	Maternal
SRT	R-40333	Paternal

CID 6100 Chest Component Categories

Context ID 6100
Chest Component Categories
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-28000	Lung
DCM	112052	Bronchovascular
SRT	T-29000	Pleural structure
SRT	T-D3300	Mediastinum
SRT	T-32000	Heart
DCM	112053	Osseous
SRT	T-4000E	Systemic vascular structure
SRT	R-420AE	Muscular

CID 6101 Chest Finding or Feature

Context ID 6101
Chest Finding or Feature
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112061	Abnormal lines (1D)
DCM	112033	Abnormal opacity
DCM	112062	Abnormal lucency
DCM	112063	Abnormal calcifications
DCM	112064	Abnormal texture
DCM	112005	Radiographic anatomy
DCM	111102	Non-lesion
DCM	111101	Image quality
DCM	111099	Selected region

CID 6102 Chest Finding or Feature Modifier

Context ID 6102
Chest Finding or Feature Modifier
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include Context ID 6103		
Include Context ID 6104		
Include Context ID 6105		
Include Context ID 6106		
Include Context ID 6109		
Include Context ID 6138		

CID 6103 Abnormal Lines Finding or Feature

Context ID 6103
Abnormal Lines Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112065	Reticulonodular pattern
DCM	112104	Air-fluid level
DCM	112105	Corona radiata
DCM	112106	Honeycomb pattern
DCM	112107	Fleischner's line(s)
DCM	112108	Intralobular lines
DCM	112109	Kerley A line
DCM	112110	Kerley B line
DCM	112111	Kerley C lines
DCM	112112	Parenchymal band
SRT	D2-60302	Plate-like atelectasis
DCM	112113	Reticular pattern
DCM	112114	Septal line(s)
DCM	112115	Subpleural line
DCM	112116	Tramline shadow
DCM	112117	Tubular shadow

CID 6104 Abnormal Opacity Finding or Feature

Context ID 6104
Abnormal Opacity Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112066	Beaded septum sign
DCM	112067	Nodular pattern
DCM	112059	Primary complex
DCM	112068	Pseudoplaque
DCM	112065	Reticulonodular pattern
DCM	112069	Signet-ring sign
DCM	112004	Abnormal interstitial pattern
SRT	F-20172	Coin lesion
DCM	112118	Density
DCM	112119	Dependent opacity
DCM	112120	Ground glass opacity
DCM	112121	Infiltrate
SRT	M-03000	Mass
DCM	112122	Micronodule
SRT	M-03010	Nodule
DCM	112001	Opacity
DCM	112123	Phantom tumor (pseudotumor)
DCM	112124	Shadow
DCM	112125	Small irregular opacities
DCM	112126	Small rounded opacities
DCM	112127	Tree-in-bud sign
SRT	D3-40230	Pulmonary embolism

CID 6105 Abnormal Lucency Finding or Feature

Context ID 6105
Abnormal Lucency Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112070	Air bronchiologram

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112071	Air bronchogram
DCM	112072	Air crescent
SRT	F-20240	Air-trapping
DCM	112073	Halo sign
SRT	D2-81180	Pneumomediastinum
SRT	D2-80300	Pneumothorax

CID 6106 Abnormal Texture Finding or Feature

Context ID 6106
Abnormal Texture Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112067	Nodular pattern
DCM	112065	Reticulonodular pattern
DCM	112004	Abnormal interstitial pattern
DCM	112128	Granular pattern
DCM	112106	Honeycomb pattern
DCM	112129	Miliary pattern
DCM	112130	Mosaic pattern
DCM	112113	Reticular pattern
DCM	112125	Small irregular opacities

CID 6107 Width Descriptor

Context ID 6107
Width Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-40750	Enlarged
SRT	R-41727	Narrow
DCM	112077	Vasoconstriction
DCM	112078	Vasodilation

CID 6108 Chest Anatomic Structure Abnormal Distribution

Context ID 6108
Chest Anatomic Structure Abnormal Distribution
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-20240	Air-trapping
DCM	112079	Architectural distortion
DCM	112080	Mosaic perfusion
DCM	112060	Oligemia
DCM	112081	Pleonemia

CID 6109 Radiographic Anatomy Finding or Feature

Context ID 6109
Radiographic Anatomy Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include Context ID 6110		
Include Context ID 6111		
Include Context ID 6112		
Include Context ID 6113		
Include Context ID 6114		
Include Context ID 6116		
Include Context ID 6117		
DCM	112082	Interface
DCM	112083	Line
DCM	112084	Lucency

CID 6110 Lung Anatomy Finding or Feature

Context ID 6110
Lung Anatomy Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-28770	Lobe of lung
DCM	112085	Midlung window
DCM	112054	Secondary pulmonary lobule
SRT	T-280D0	Segment of lung

CID 6111 Bronchovascular Anatomy Finding or Feature

Context ID 6111
Bronchovascular Anatomy Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-20001	Airway structure
SRT	T-26000	Bronchus
SRT	T-25201	Carina
DCM	112086	Carina angle
DCM	112087	Centrilobular structures
SRT	T-28080	Hilum of lung

CID 6112 Pleura Anatomy Finding or Feature

Context ID 6112
Pleura Anatomy Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112088	Anterior junction line
SRT	T-D051D	Fissure of lung
DCM	112089	Posterior junction line

CID 6113 Mediastinum Anatomy Finding or Feature

Context ID 6113
Mediastinum Anatomy Finding or Feature
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112090	Azygoesophageal recess interface
DCM	112091	Paraspinal line
DCM	112092	Posterior tracheal stripe
DCM	112093	Right tracheal stripe
DCM	112094	Stripe
SRT	T-25000	Trachea
SRT	T-56000	Esophagus
SRT	T-B6000	Thyroid
SRT	T-26100	Right main bronchus
SRT	T-26500	Left main bronchus
SRT	T-25201	Carina
SRT	T-D3412	Esophageal Hiatus
SRT	T-14171	Trapezius muscle
SRT	T-15420	Acromioclavicular Joint
SRT	T-D0634	Fascial layer
SRT	T-18774	Axillary Fascia
SRT	T-11240	Costal Cartilage
SRT	T-B4000	Carotid Body
SRT	T-42370	Ligamentum arteriosum
SRT	T-C6510	Thoracic Duct
DCM	112095	Hiatus
SRT	T-C8000	Thymus Gland
SRT	T-C4000	Lymph node
SRT	T-32000	Heart
SRT	T-32400	Ventricle
SRT	T-32100	Atrium
SRT	D4-31220	Atrial Septal Defect
SRT	T-35300	Mitral Valve
SRT	T-35400	Aortic Valve
SRT	T-35100	Tricuspid Valve

CID 6114 Osseous Anatomy Finding or Feature

Context ID 6114
Osseous Anatomy Finding or Feature
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-11300	Rib
SRT	T-12310	Clavicle
SRT	T-11500	Spine
SRT	T-11210	Sternum
SRT	T-12280	Scapula
SRT	T-12410	Humerus
SRT	T-11510	Vertebra

CID 6115 Osseous Anatomy Modifiers

Context ID 6115
Osseous Anatomy Modifiers
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-11301	Head of rib
SRT	T-11303	Neck of rib
SRT	T-11304	Tubercle of rib
SRT	T-11309	Shaft of rib
SRT	T-11307	Angle of rib
SRT	T-11308	Costal groove
DCM	112096	Rib Scalene Tubercle
SRT	T-11211	Manubrium of sternum
SRT	T-11218	Suprasternal notch
SRT	T-11219	Clavicular notch of sternum
SRT	T-11221	Sternal angle
SRT	T-11220	Body of sternum
SRT	T-11227	Xiphoid process of sternum
SRT	T-11511	Arch of vertebra
SRT	T-11515	Pedicle of vertebra
SRT	T-11513	Transverse process or vertebra
SRT	T-11514	Lamina of vertebra
SRT	T-1153F	Inferior articular process of vertebra

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-1153E	Superior articular process of vertebra
DCM	112097	Vertebral Intervertebral Notch
SRT	T-11531	Vertebral foramen
SRT	T-1151F	Vertebral canal
SRT	T-11512	Spinous process of vertebra
SRT	T-116EF	Inferior articular facet of axis
SRT	T-116EE	Superior articular facet of axis
SRT	T-12281	Acromion process of scapula
SRT	T-1228A	Glenoid cavity of scapula
DCM	112098	Subscapular Fossa
SRT	T-12287	Dorsal aspect of scapula
DCM	112099	Scapular Spine
DCM	112100	Scapular Supraspinatus Fossa
DCM	112101	Scapular Infraspinatus Fossa
SRT	T-12282	Coracoid process of scapula
SRT	T-D2236	Pectoral girdle

CID 6116 Muscular Anatomy

Context ID 6116
Muscular Anatomy
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-14110	Pectoralis major muscle
SRT	T-14120	Pectoralis minor muscle
SRT	T-D3400	Diaphragm
SRT	T-1416B	External intercostal muscle
SRT	T-14165	Innermost intercostal muscles
SRT	T-14183	Internal intercostal muscle
SRT	T-14150	Levatores costarum muscles
SRT	T-14166	Subcostal muscle
SRT	T-141A5	Transversus thoracis
SRT	T-14171	Trapezius muscle
SRT	T-13650	Subscapularis muscle
SRT	T-13610	Supraspinatus muscle
SRT	T-13620	Infraspinatus muscle

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-13630	Teres minor muscle
SRT	T-14140	Serratus anterior muscle
SRT	T-13660	Deltoid muscle
SRT	T-14172	Latissimus dorsi muscle
SRT	T-14020	Erector spinae muscle
SRT	T-14030	Iliocostalis muscle
SRT	T-14040	Longissimus muscle
SRT	T-14050	Spinalis muscle
SRT	T-13450	Scalenous anterior muscle
SRT	T-13310	Sternocleidomastoid muscle
SRT	T-13640	Teres major muscle
SRT	T-35020	Chordae tendineae cordis
SRT	T-32410	Interventricular septum
SRT	T-32423	Trabeculae carnae

CID 6117 Vascular Anatomy

Context ID 6117
Vascular Anatomy
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include Context ID 3015		
SRT	T-46100	Subclavian artery
SRT	T-42100	Ascending aorta
SRT	T-46010	Brachiocephalic trunk
SRT	T-45100	Common carotid artery
SRT	T-46200	Internal thoracic artery
SRT	T-45700	Vertebral artery
SRT	T-46130	Thyrocervical trunk
SRT	T-46180	Costocervical trunk
SRT	T-461A0	Dorsal scapular artery
SRT	T-47100	Axillary Artery
SRT	T-47160	Brachial artery
SRT	T-42300	Aortic arch
SRT	T-48170	Internal jugular vein
SRT	T-48330	Subclavian vein

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-48620	Brachiocephalic vein
SRT	T-48610	Superior vena cava
SRT	T-A9090	Brachial plexus
SRT	T-D0765	Descending aorta
DCM	112102	Aortic knob
SRT	T-42310	Aortic isthmus
SRT	T-48340	Azygos vein
SRT	T-D305A	Intercostal artery
SRT	T-4630D	Esophageal artery
SRT	T-46210	Pericardiophrenic Artery
SRT	T-46350	Superior phrenic artery
SRT	T-46940	Inferior phrenic artery
SRT	T-46310	Bronchial artery
DCM	112103	Arch of the Azygos vein
SRT	T-49110	Axillary vein
SRT	T-48710	Inferior vena cava
SRT	T-44100	Pulmonary trunk
SRT	T-44000	Pulmonary artery
SRT	T-48500	Pulmonary vein

CID 6118 Size Descriptor

Context ID 6118
Size Descriptor
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112131	Extremely small
DCM	112132	Very small
SRT	R-404A8	Small
SRT	R-404A9	Medium
SRT	R-404AA	Large
SRT	R-40750	Enlarged
DCM	112133	Too small

CID 6119 Chest Border Shape

Context ID 6119
Chest Border Shape
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-02100	Round shape
DCM	112134	Elliptic
SRT	G-A402	Irregular
DCM	112135	Lobulated
DCM	112136	Spiculated

CID 6120 Chest Border Definition

Context ID 6120
Chest Border Definition
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-40771	Well defined
DCM	112137	Sharply defined
SRT	R-428E7	Poorly defined
DCM	112138	Distinctly defined
DCM	112139	Well demarcated
DCM	112140	Sharply demarcated
DCM	112141	Poorly demarcated
DCM	112142	Circumscribed

CID 6121 Chest Orientation Descriptor

Context ID 6121
Chest Orientation Descriptor
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A142	Horizontal
SRT	G-A144	Vertical
SRT	G-A472	Oblique

CID 6122 Chest Content Descriptor

Context ID 6122
Chest Content Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112143	Air
SRT	T-D008A	Fat
DCM	112144	Soft tissue
DCM	112145	Calcium
SRT	M-30400	Foreign material (iodized oil, mercury, talc)

CID 6123 Chest Opacity Descriptor

Context ID 6123
Chest Opacity Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112146	Acinar
DCM	112147	Air space
DCM	112148	Fibronodular
DCM	112149	Fluffy
DCM	112150	Linear
DCM	112151	Profusion
DCM	112152	Silhouette sign

CID 6124 Location in Chest

Context ID 6124
Location in Chest
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CONTEXT ID 6125		
Include CONTEXT ID 6126		
Include CONTEXT ID 6127		

CID 6125 General Chest Location

Context ID 6125
General Chest Location
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A110	Central
SRT	G-A111	Peripheral
SRT	G-A122	Apical
SRT	G-A123	Basal

CID 6126 Location in Lung

Context ID 6126
Location in Lung
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D3208	Upper zone of lung
SRT	T-D3209	Middle zone of lung
SRT	T-D320A	Lower zone of lung
SRT	T-28820	Upper lobe of lung
SRT	T-28825	Middle lobe of lung
SRT	T-28830	Lower lobe of lung
DCM	112153	Subpleural

CID 6127 Segment Location in Lung

Context ID 6127
Segment Location in Lung
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-28230	Anterior segment of right upper lobe
SRT	T-28630	Anterior segment of left upper lobe
SRT	T-28220	Posterior segment of right upper lobe

CID 6128 Chest Distribution Descriptor

Context ID 6128
Chest Distribution Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112154	Bat's wing distribution
DCM	112155	Butterfly distribution
DCM	112156	Centrilobular
DCM	112157	Coalescent
SRT	G-A321	Diffuse
SRT	M-020FA	Discoid
SRT	G-A324	Disseminated
SRT	G-A351	Focal
SRT	G-A366	Generalized
DCM	112158	Lobar
SRT	G-A443	Multifocal
SRT	G-A137	Segmental
SRT	G-A572	Systemic

CID 6129 Chest Site Involvement

Context ID 6129
Chest Site Involvement
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-28000	Lung
SRT	T-D3300	Mediastinum
DCM	112158	Lobar
SRT	T-1A007	Interstitial tissue
SRT	R-40939	Bronchial
SRT	T-28080	Hilum of lung
SRT	T-42000	Aorta
SRT	T-29000	Pleural structure
SRT	T-D3050	Chest wall
SRT	T-D4001	Upper abdomen

CID 6130 Severity Descriptor

Context ID 6130
Severity Descriptor
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404FA	Mild
SRT	G-A002	Moderate
SRT	G-A003	Severe
SRT	G-A231	Acute
SRT	G-A270	Chronic
DCM	112159	Hyper-acute
SRT	G-A561	Subacute

CID 6131 Chest Texture Descriptor

Context ID 6131
Chest Texture Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112160	Homogeneous (uniform opacity)
DCM	112161	Inhomogeneous

CID 6132 Chest Calcification Descriptor

Context ID 6132
Chest Calcification Descriptor
Type: Extensible Version: 20030108

Note: Original source of terms is [Fraser and Pare].

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01763	Eggshell calcification
SRT	F-01761	Coarse (popcorn-like) calcification
DCM	112162	Target
SRT	G-A405	Laminated
DCM	112163	Fibrocalcific

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112164	Flocculent
SRT	R-403A7	Nodular
SRT	F-12100	Ossification

CID 6133 Chest Quantitative Temporal Difference Type

Context ID 6133
Chest Quantitative Temporal Difference Type
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-017B1	Difference in size
SRT	F-017B3	Difference in location

CID 6134 Chest Qualitative Temporal Difference Type

Context ID 6134
Chest Qualitative Temporal Difference Type
Type: Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-0517E	Difference in border shape
SRT	F-05166	Difference in border definition
SRT	F-0516C	Difference in distribution
SRT	F-05170	Difference in site involvement
SRT	F-05167	Difference in substance
SRT	F-0516A	Difference in Texture
SRT	F-01722	Finding partially removed
SRT	F-01723	No significant changes in the finding
SRT	M-02520	Increase in size
SRT	M-02530	Decrease in size
SRT	F-01728	Less defined
SRT	F-01729	More defined

CID 6135 Image Quality Finding

Context ID 6135
Image Quality Finding
Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111208	Grid artifact(s)
DCM	111209	Positioning
DCM	111210	Motion blur
DCM	111211	Under exposed
DCM	111212	Over exposed
DCM	111213	No image
DCM	111214	Detector artifact(s)
DCM	111215	Artifact(s) other than grid or detector artifact
DCM	111216	Mechanical failure
DCM	111217	Electrical failure
DCM	111218	Software failure
DCM	111219	Inappropriate image processing
DCM	111220	Other failure
DCM	111221	Unknown failure
RADLEX	RID11327	Beam-hardening artifact

CID 6136 Chest Types of Quality Control Standard

Context ID 6136
Chest Types of Quality Control Standard
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112035	Performance of Pediatric and Adult Chest Radiography, ACR
DCM	112036	ACR Position Statement
DCM	111240	Institutionally defined quality control standard
DCM	112184	Performance of Pediatric and Adult Thoracic CT
DCM	112185	Performance of CT for Detection of Pulmonary Embolism in Adults
DCM	112186	Performance of High-Resolution CT of the Lungs in Adults

CID 6137 Types of CAD Analysis

Context ID 6137
Types of CAD Analysis
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	
SRT	P5-B3402	Spatial collocation analysis	See Note 1
SRT	P5-B3404	Spatial proximity analysis	See Note 2
SRT	P5-B3406	Temporal correlation	
SRT	P5-B3408	Image quality analysis	

Notes: 1. Spatial Co-location Analysis is used to identify features that are the same or located in the same place.
2. Spatial Proximity Analysis is used to identify different features that are related spatially.

CID 6138 Chest Non-Lesion Object Type

Context ID 6138
Chest Non-Lesion Object Type
Type: Extensible Version: 20091029

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-32110	Bullet
SRT	A-11100	Cardiac Pacemaker
SRT	A-040CB	Cardiac pacemaker lead
SRT	A-26800	Catheter
DCM	112174	Central line
SRT	A-12210	Cervical collar
DCM	112173	Chest tube
DCM	112178	Coin
SRT	A-25350	Endotracheal tube
SRT	A-26430	Feeding tube
DCM	112171	Fiducial mark
SRT	A-04110	Heart valve prosthesis
SRT	A-26434	Jejunostomy tube
SRT	A-61000	Jewelry
DCM	112175	Kidney stent
SRT	A-30360	Needle
DCM	112177	Nipple ring
DCM	112176	Pancreatic stent
SRT	A-12024	Pin
DCM	112172	Portacath

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-04000	Prosthesis
SRT	M-78060	Scar tissue
SRT	A-13600	Staple
SRT	A-13510	Suture material
SRT	P1-26100	Tracheotomy
DCM	111176	Unspecified
SRT	A-11C08	Ureteric stent
SRT	A-14611	Vena cava filter

CID 6139 Non-Lesion Modifiers

Context ID 6139
Non-Lesion Modifiers
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-40819	Internal
SRT	R-40941	External

CID 6140 Calculation Methods

Context ID 6140
Calculation Methods
Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10260	Estimated
DCM	112187	Unspecified method of calculation
DCM	112055	Agatston scoring method
DCM	112056	Volume scoring method
DCM	112057	Mass scoring method
DCM	112188	Two-dimensional method
DCM	112189	Three-dimensional method

CID 6141 Attenuation Coefficient Measurements

Context ID 6141
Attenuation Coefficient Measurements
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112031	Attenuation Coefficient
DCM	112179	Minimum Attenuation Coefficient
DCM	112180	Maximum Attenuation Coefficient
DCM	112181	Mean Attenuation Coefficient
DCM	112182	Median Attenuation Coefficient
DCM	112183	Standard Deviation of Attenuation Coefficient

CID 6142 Calculated Value

Context ID 6142
Calculated Value
Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112017	Cavity extent as percent of volume
DCM	112018	Calcification extent as percent of surface
DCM	112019	Calcification extent as percent of volume
DCM	112058	Calcium score
DCM	112191	Breast tissue density
DCM	112192	Volume of parenchymal tissue
DCM	112193	Volume of breast
DCM	112194	Mass of parenchymal tissue
DCM	112195	Mass of breast
DCM	112196	Area of Vascular Calcification
DCM	112197	Volume of Vascular Calcification
DCM	112198	Percentage of Vascular Calcification
DCM	112199	Mass of Vascular Calcification
DCM	112200	Average calcification distance in a calcification cluster
DCM	112201	Standard deviation distance of calcifications in a cluster

CID 6143 Response Criteria

Context ID 6143
Response Criteria
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CONTEXT ID 6144		

CID 6144 RECIST Response Criteria

Context ID 6144
RECIST Response Criteria
Type: Extensible Version: 20030108

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112041	Target Lesion Complete Response
DCM	112042	Target Lesion Partial Response
DCM	112043	Target Lesion Progressive Disease
DCM	112044	Target Lesion Stable Disease
DCM	112045	Non-Target Lesion Complete Response
DCM	112046	Non-Target Lesion Incomplete Response or Stable Disease
DCM	112047	Non-Target Lesion Progressive Disease

CID 6145 Baseline Category

Context ID 6145
Baseline Category
Type: Extensible Version: 20030108

Note: From RECIST

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112074	Target Lesion at Baseline
DCM	112075	Non-Target Lesion at Baseline
DCM	112076	Non-Lesion at Baseline

CID 6151 Background echotexture

Context ID 6151

Background echotexture

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111351	Homogeneous fat echotexture
DCM	111352	Homogeneous fibroglandular echotexture
DCM	111353	Heterogeneous echotexture

CID 6152 Orientation

Context ID 6152

Orientation

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111355	Parallel
DCM	111356	Not parallel

CID 6153 Lesion boundary

Context ID 6153

Lesion boundary

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111358	Abrupt interface
DCM	111359	Echogenic halo

CID 6154 Echo pattern

Context ID 6154

Echo pattern

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111361	Anechoic
DCM	111362	Hyperechoic
DCM	111363	Complex
DCM	111364	Hypoechoic

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111365	Isoechoic

CID 6155 Posterior acoustic features

Context ID 6155

Posterior acoustic features

Type: Extensible Version: 20060622

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111367	No posterior acoustic features
DCM	111368	Posterior enhancement
DCM	111369	Posterior shadowing
DCM	111370	Combined posterior enhancement and shadowing

CID 6157 Vascularity

Context ID 6157

Vascularity

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111373	Vascularity not present
DCM	111374	Vascularity not assessed
DCM	111375	Vascularity present in lesion
DCM	111376	Vascularity present immediately adjacent to lesion
DCM	111377	Diffusely increased vascularity in surrounding tissue

CID 6158 Correlation to Other Findings

Context ID 6158

Correlation to Other Findings

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111381	Correlates to physical exam findings
DCM	111382	Correlates to mammography findings
DCM	111383	Correlates to MRI findings
DCM	111384	Correlates to ultrasound findings
DCM	111385	Correlates to other imaging findings
DCM	111386	No correlation to other imaging findings
DCM	111387	No correlation to clinical findings

CID 6159 Malignancy Type

Context ID 6159

Malignancy Type

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111389	Invasive breast carcinoma
SRT	M-85002	Intraductal carcinoma, non-infiltrating
DCM	111390	Other malignancy type

CID 6160 Breast Primary Tumor Assessment from AJCC

Context ID 6160

Breast Primary Tumor Assessment from AJCC

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-003B8	TX: Primary tumor cannot be assessed (breast)
SRT	R-003B9	T0: No evidence of primary tumor (breast)
SRT	R-003BB	Tis: Carcinoma in situ (breast)
SRT	R-003BC	Tis: Ductal carcinoma in situ (breast)
SRT	R-003BD	Tis: Lobular carcinoma in situ (breast)
SRT	R-003BE	Tis: Paget's disease of the nipple with no tumor
SRT	R-003BA	T1: Tumor 2 cm or less in greatest dimension (breast)
SRT	R-003BF	T1mic: Microinvasion 0.1 cm or less in greatest dimension…
SRT	R-003C0	T1a: Tumor more than 0.1 cm but not more than 0.5 cm…

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-003C1	T1b: Tumor more than 0.5 cm but not more than 1 cm…
SRT	R-003C2	T1c: Tumor more than 1 cm but not more than 2 cm…
SRT	R-003C3	T2: Tumor more than 2 cm but not more than 5 cm…
SRT	R-003C4	T3: Tumor more than 5 cm in greatest dimension (breast)
SRT	R-003C5	T4: Tumor of any size with direct extension to chest wall…
SRT	R-003C6	T4a: Tumor of any size with extension to chest wall, not incl…
SRT	R-003C7	T4b: Tumor of any size with edema (including peau d'orange)…
SRT	R-003C8	T4c: Tumor of any size with direct extension to chest wall…
SRT	R-003C9	T4: Inflammatory carcinoma (breast)

CID 6161 Clinical Regional Lymph Node Assessment for Breast

Context ID 6161

Clinical Regional Lymph Node Assessment for Breast

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-003CA	NX: Regional lymph nodes cannot be assessed…
SRT	R-003CB	N0: No regional lymph node metastasis histologically…
SRT	R-003D0	N1: Metastasis in 1to3 axillary lymph nodes…
SRT	R-003D6	N2: Metastasis in 4 to 9 axillary lymph nodes…
SRT	R-003D7	N2a: Metastasis in 4 to 9 axillary lymph nodes (…2.0 mm)…
SRT	R-003D8	N2b: Metastasis in clinically apparent internal… nodes…
SRT	G-F749	N3: Metastasis to ipsilateral internal mammary lymph node(s)
SRT	R-003D9	N3a: Metastasis in 10 or more axillary lymph nodes…
SRT	R-003DA	N3b: Metastasis in clinically apparent ipsilateral internal…
SRT	R-003DB	N3c: Metastasis in ipsilateral supraclavicular lymph nodes…

CID 6162 Assessment of Metastasis for Breast

Context ID 6162

Assessment of Metastasis for Breast

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-003DC	MX: Distant metastasis cannot be assessed (breast)
SRT	R-003DD	M0: No distant metastasis (breast)
SRT	R-003DE	M1: Distant metastasis (breast)

CID 6163 Menstrual Cycle Phase

Context ID 6163

Menstrual Cycle Phase

Type: Extensible Version: 20050822

Note: From BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111392	1st week
DCM	111393	2nd week
DCM	111394	3rd week
SRT	F-840B3	Menstruation present

CID 6164 Time Intervals

Context ID 6164

Time Intervals

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111396	< 3 months ago
DCM	111397	4 months to 1 year ago
DCM	111398	> 1 year ago
DCM	111399	Not sure

CID 6165 Breast Linear Measurements

Context ID 6165

Breast Linear Measurements

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 7470 Linear Measurements		
DCM	121242	Distance from nipple
DCM	121243	Distance from skin
DCM	121244	Distance from chest wall

CID 6166 CAD Geometry Secondary Graphical Representation

Context ID 6166

CAD Geometry Secondary Graphical Representation

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113661	Outline of lobulations
DCM	113662	Inner limits of fuzzy margin
DCM	113663	Outer limits of fuzzy margin
DCM	113664	Outline of spiculations
DCM	113665	Linear spiculation
DCM	113666	Pixelated spiculations
SRT	G-A185	Long axis
SRT	G-A186	Short axis
DCM	113669	Orthogonal location arc
DCM	113670	Orthogonal location arc inner margin
DCM	113671	Orthogonal location arc outer margin

CID 6200 Colon Overall Assessment

Context ID 6200

Colon Overall Assessment

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112240	C0 - Inadequate Study/Awaiting Prior Comparisons
DCM	112241	C1 - Normal Colon or Benign Lesion
DCM	112242	C2 - Intermediate Polyp or Indeterminate Finding

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112243	C3 - Polyp, Possibly Advanced Adenoma
DCM	112244	C4 - Colonic Mass, Likely Malignant

CID 6201 Colon Finding or Feature

Context ID 6201

Colon Finding or Feature

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111101	Image quality
DCM	111099	Selected region
SRT	D5-41170	Polyp of colon
SRT	D5-F131F	Tumor of colon
SRT	F-54005	Rectal mass
SRT	M-32700	Diverticulum
SRT	T-59345	Colonic haustra
SRT	T-59666	Feces
SRT	M-88500	Lipoma
SRT	T-50153	Intraluminal fluid
SRT	F-61D54	Contrast media
SRT	T-58650	Ileocecal valve
SRT	M-32704	Inverted diverticulum
SRT	M-18000	Operative Site
DCM	111102	Non-lesion
DCM	112238	Anatomic non-colon

CID 6202 Colon Finding or Feature Modifier

Context ID 6202

Colon Finding or Feature Modifier

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include Context ID 6203		
Include Context ID 6204		

CID 6203 Colon Non-Lesion Object Type

Context ID 6203

Colon Non-Lesion Object Type

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-32110	Bullet
SRT	A-13600	Staple
SRT	A-13510	Suture material
SRT	M-78060	Scar tissue
SRT	A-26800	Catheter
DCM	112173	Chest tube
SRT	A-14611	Vena cava filter
SRT	A-04000	Prosthesis
SRT	A-26434	Jejunostomy tube
DCM	112175	Kidney stent
SRT	A-11C08	Ureteral stent
DCM	112176	Pancreatic stent
SRT	A-61000	Jewelry
DCM	112178	Coin
SRT	A-12024	Pin
SRT	A-30360	Needle
DCM	112171	Fiducial mark
DCM	111176	Unspecified
SRT	A-120DD	Colostomy set
SRT	A-10DBC	Colostomy bag
SRT	A-1009E	Ileostomy set
SRT	A-10029	Ileostomy bag
SRT	A-10703	Urostomy set
SRT	A-105E3	Urostomy bag
SRT	A-26440	Rectal tube
SRT	A-26864	Urethral catheter

CID 6204 Anatomic Non-Colon Findings

Context ID 6204

Anatomic Non-Colon Findings

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-62000	Liver
SRT	T-C3000	Spleen
SRT	T-71000	Kidney
SRT	T-B3000	Adrenal gland
SRT	T-42000	Aorta
SRT	T-48710	Inferior vena cava
SRT	T-28000	Lung
SRT	T-D016E	Bone
SRT	T-94000	Testis
SRT	T-83000	Uterus
SRT	T-87000	Ovary
SRT	T-83200	Cervix
SRT	T-92000	Prostate
SRT	T-93000	Seminal Vesicle
SRT	T-59600	Rectum
SRT	T-74000	Bladder
SRT	T-13001	Muscle
SRT	T-40000	Blood Vessel
SRT	T-59200	Appendix
SRT	T-D0874	Appendiceal stump

CID 6205 Clockface Location for Colon

Context ID 6205

Clockface Location for Colon

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01781	1 o’clock position
SRT	F-01782	2 o’clock position
SRT	F-01783	3 o’clock position
SRT	F-01784	4 o’clock position
SRT	F-01785	5 o’clock position

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-01786	6 o'clock position
SRT	F-01787	7 o'clock position
SRT	F-01788	8 o'clock position
SRT	F-01789	9 o'clock position
SRT	F-0178A	10 o'clock position
SRT	F-0178B	11 o'clock position
SRT	F-0178C	12 o'clock position

CID 6206 Recumbent Patient Orientation for Colon

Context ID 6206

Recumbent Patient Orientation for Colon

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-10310	Prone
SRT	F-10340	Supine
SRT	F-10317	right lateral decubitus
SRT	F-10319	left lateral decubitus

CID 6207 Colon Quantitative Temporal Difference Type

Context ID 6207

Colon Quantitative Temporal Difference Type

Type: Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-05173	Difference in size
SRT	F-05179	Difference in location
SRT	F-0516E	Difference in attenuation

CID 6208 Colon Types of Quality Control Standard

Context ID 6208

Colon Types of Quality Control Standard

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112036	ACR Position Statement
DCM	111240	Institutionally defined quality control standard
DCM	112248	ACR Guideline, Performance of Adult CT Colonography
DCM	112249	ACR Standard, CT medical physics performance monitoring

CID 6209 Colon Morphology Descriptor

Context ID 6209

Colon Morphology Descriptor

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A530	Sessile
SRT	G-A477	Pedunculated
SRT	G-A485	Flat
SRT	R-404F0	Circumferential
SRT	M-38000	Ulcer

CID 6210 Location in Intestinal Tract

Context ID 6210

Location in Intestinal Tract

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-59600	Rectum
SRT	T-59470	Sigmoid colon
SRT	T-59460	Descending colon
SRT	T-59440	Transverse colon
SRT	T-59420	Ascending colon
SRT	T-59100	Cecum
SRT	T-59442	Splenic flexure of colon

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-59438	Hepatic flexure of colon

CID 6211 Colon CAD Material Description

Context ID 6211

Colon CAD Material Description

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112144	Soft tissue
SRT	T-D008A	Fat
SRT	A-80230	Air
SRT	T-11034	Bone matrix

CID 6212 Calculated Value for Colon Findings

Context ID 6212

Calculated Value for Colon Findings

Type: Extensible Version: 20090402

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-0045B	Polyp stalk length
SRT	R-00286	Polyp size, largest dimension
DCM	112232	Polyp stalk width
DCM	112233	Distance from anus

CID 7000 Diagnostic Imaging Report Document Titles

Context ID 7000
Diagnostic Imaging Report Document Titles

Type: Extensible Version: 20070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	18745-0	Cardiac Catheterization Report
LN	11540-2	CT Abdomen Report
LN	11538-6	CT Chest Report
LN	11539-4	CT Head Report
LN	18747-6	CT Report
LN	18748-4	Diagnostic Imaging Report
LN	11522-0	Echocardiography Report
LN	18760-9	Ultrasound Report
LN	11541-0	MRI Head Report
LN	18755-9	MRI Report
LN	18756-7	MRI Spine Report
LN	18757-5	Nuclear Medicine Report
LN	11525-3	Ultrasound Obstetric and Gyn Report
LN	18758-3	PET Scan Report
LN	11528-7	Radiology Report
LN	18750-0	Cardiac Electrophysiology Report
LN	11524-0	ECG Report
LN	18752-6	Exercise Stress Test Report
LN	18754-2	Holter Study Report
LN	18782-3	X-Ray Report

CID 7001 Diagnostic Imaging Report Headings

Context ID 7001
Diagnostic Imaging Report Headings

Type: Extensible Version: 20050615

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121060	History
DCM	121062	Request
DCM	121064	Current Procedure Descriptions
DCM	121066	Prior Procedure Descriptions
DCM	121068	Previous Findings
DCM	121070	Findings
DCM	121072	Impressions
DCM	121074	Recommendations
DCM	121076	Conclusions
DCM	121078	Addendum
DCM	121109	Indications for Procedure
DCM	121110	Patient Presentation
DCM	121113	Complications
DCM	121111	Summary
DCM	121180	Key Images

CID 7002 Diagnostic Imaging Report Elements

Context ID 7002
Diagnostic Imaging Report Elements

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121060	History
DCM	121062	Request
DCM	121065	Procedure Description
DCM	121069	Previous Finding
DCM	121071	Finding
DCM	121073	Impression
DCM	121075	Recommendation
DCM	121077	Conclusion
SRT	DD-60002	Complication of Procedure
DCM	121110	Patient Presentation
DCM	121111	Summary

CID 7003 Diagnostic Imaging Report Purposes of Reference

Context ID 7003
Diagnostic Imaging Report Purposes of Reference

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121079	Baseline
DCM	121080	Best illustration of finding
DCM	121112	Source of Measurement

CID 7004 Waveform Purposes of Reference

Context ID 7004
Waveform Purposes of Reference

Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121301	Simultaneous Doppler
DCM	121302	Simultaneous Hemodynamic
DCM	121303	Simultaneous ECG
DCM	121304	Simultaneous Voice Narrative
DCM	121305	Simultaneous Respiratory Waveform
DCM	121306	Simultaneous Arterial Pulse Waveform
DCM	121307	Simultaneous Phonocardiographic Waveform

CID 7005 Contributing Equipment Purposes of Reference

Context ID 7005
Contributing Equipment Purposes of Reference
Type: Extensible Version: 20090120

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	109101	Acquisition Equipment
DCM	109102	Processing Equipment
DCM	109103	Modifying Equipment
DCM	109104	De-identifying Equipment
DCM	109105	Frame Extracting Equipment
DCM	MEDIM	Portable Media Importer Equipment
DCM	FILMD	Film Digitizer
DCM	DOCD	Document Digitizer Equipment
DCM	VIDD	Video Tape Digitizer Equipment

CID 7006 SR Document Purposes of Reference

Context ID 7006
SR Document Purposes of Reference
Type: Extensible Version: 20061023

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121331	Equivalent CDA Document
DCM	121332	Complete Rendering for Presentation
DCM	121333	Partial Rendering for Presentation
DCM	121334	Extended Rendering for Presentation
DCM	121335	Source Document

CID 7007 Signature Purpose

Context Group ID 7007 comprises the signature purposes codes of ASTM E 2084-00. The Coding Scheme Designator (0008,0102) shall be “ASTM-sigpurpose”. The ASTM document defines the signature purpose codes as OIDs. For the purposes of this Coding Scheme only the leaf digit is used as the Code Value (0008,0100).

Note: ASTM E 1762 provides the full definitions for the signature purpose OIDs defined by E 2084. The recommended Code Meanings (0008,0104) are the titles of the definitions for the leaves of the OIDs. For example, the OID 1.2.840.10065.1.12.1 corresponds to the leaf “id-purpose-author”, whose meaning could be encoded as “Author Signature” and whose code value is 1.

CID 7008 Media Import

This Context Group specifies items that may be conveyed in the Billing and Materials Management Module (see PS3.3).

Context ID 7008
Media Import

Type: Extensible Version: 20061024

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110020	Sheet Film Digitized
DCM	110021	Cine Film Digitized
DCM	110022	Video Tape Digitized
DCM	110023	Paper Digitized
DCM	110024	CD Imported
DCM	110025	DVD Imported
DCM	110026	MOD Imported
DCM	110027	Studies Imported
DCM	110028	Instances Imported

CID 7009 Purpose Of Reference to Predecessor Report

Context ID 7009

Purpose Of Reference to Predecessor Report

Type: Extensible Version: 20090826

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121360	Replaced report
DCM	121361	Addended report
DCM	121362	Preliminary report
DCM	121363	Partial report
DCM	122073	Current procedure evidence

Note: The concepts of replaced and addended correspond to REPLACEMENT and ADDENDUM in HL7 V2.6 Chapter 9, with the exception that an EDITED value is not supported due to incompatibility with HL7 CDA.

CID 7010 Key Object Selection Document Title

Context ID 7010
Key Object Selection Document Title

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113000	Of Interest
DCM	113001	Rejected for Quality Reasons
DCM	113002	For Referring Provider
DCM	113003	For Surgery
DCM	113004	For Teaching
DCM	113005	For Conference
DCM	113006	For Therapy
DCM	113007	For Patient
DCM	113008	For Peer Review
DCM	113009	For Research
DCM	113010	Quality Issue
DCM	113013	Best In Set
DCM	113018	For Printing
DCM	113020	For Report Attachment
DCM	113030	Manifest
DCM	113031	Signed Manifest
DCM	113032	Complete Study Content
DCM	113033	Signed Complete Study Content
DCM	113034	Complete Acquisition Content
DCM	113035	Signed Complete Acquisition Content
DCM	113036	Group of Frames for Display
DCM	113037	Rejected for Patient Safety Reasons

CID 7011 Rejected for Quality Reasons

Context ID 7011
Rejected for Quality Reasons

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111207	Image artifact(s)
DCM	111208	Grid artifact(s)
DCM	111209	Positioning
DCM	111210	Motion blur
DCM	111211	Under exposed
DCM	111212	Over exposed

DCM	111213	No image
DCM	111214	Detector artifact(s)
DCM	111215	Artifact(s) other than grid or detector artifact
DCM	111216	Mechanical failure
DCM	111217	Electrical failure
DCM	111218	Software failure
DCM	111219	Inappropriate image processing
DCM	111220	Other failure
DCM	111221	Unknown failure
DCM	113026	Double exposure

CID 7012 Best In Set

Context ID 7012
Best In Set

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113014	Study
DCM	113015	Series
DCM	113016	Performed Procedure Step
DCM	113017	Stage-View

CID 7020 Document Titles

Context Group ID 7020 comprises all document names (i.e., terms with Scale “DOC”) within the HIPAA Attachments class of the LOINC coding scheme. The Coding Scheme Designator shall be LN.

Note: 1. A subset of this Context Group directly applicable to imaging reports is in CID 7000.
2. The LOINC coding scheme can be found at: http://www.regenstrief.org/loinc

CID 7030 Institutional Departments, Units and Services

Context ID 7030
Institutional Departments, Units and Services

Type: Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-300E3	Accident and Emergency
SRT	R-30246	Allergy and Immunology
SRT	R-3023A	Anesthesiology
SRT	R-30247	Audiology
SRT	R-421EB	Clinical Biochemistry
SRT	R-3027F	Breast Surgery
SRT	R-3060E	Burns Intensive Care
SRT	R-30240	Cardiac Intensive Care
SRT	R-30282	Cardiac Surgery
SRT	R-30248	Cardiology
SRT	R-30280	Cardiothoracic Surgery
SRT	R-30276	Child and Adolescent Psychiatry
SRT	R-3023B	Clinical Oncology
SRT	R-3028E	Colorectal Surgery
SRT	R-4225D	Cytology
SRT	R-30283	Dental Surgery
SRT	R-30250	Dermatology
SRT	R-3061B	Diagnostic Imaging
SRT	R-3028A	Endocrine Surgery
SRT	R-30252	Endocrinology
SRT	R-421D4	Endoscopy
SRT	R-3028B	Gastrointestinal Surgery
SRT	R-30254	General Medicine
SRT	R-3028F	General Surgery
SRT	R-3025A	Geriatric Medicine
SRT	R-30264	Gynecology
SRT	R-30290	Hand Surgery
SRT	R-3026F	Hematology
SRT	R-4223B	Hepatobiliary Surgery
SRT	R-3061D	Histopathology
SRT	R-3025B	Infectious Disease
SRT	R-3023D	Intensive Care
SRT	R-3061E	Medical Intensive Care
SRT	R-30270	Medical Microbiology

SRT	R-3025D	Nephrology
SRT	R-305CE	Neonatal Intensive Care
SRT	R-3025E	Neurology
SRT	R-4223C	Neurosurgery
SRT	R-3025F	Nuclear Medicine
SRT	R-30265	Obstetrics
SRT	R-30263	Obstetrics and Gynecology
SRT	R-3025C	Ophthalmology
SRT	R-42207	Optometry
SRT	R-30285	Oral Surgery
SRT	R-30294	Orthopedic Surgery
SRT	R-30289	Otorhinolaryngology
SRT	R-3026A	Pain Management
SRT	R-30260	Palliative Care
SRT	R-3026B	Pathology
SRT	R-30243	Pediatric Intensive Care
SRT	R-305EA	Pediatric Medicine
SRT	R-30269	Pediatric Oncology
SRT	R-305E9	Pediatric Surgery
SRT	S-8000A	Primary Care Department
SRT	R-30261	Rehabilitation
SRT	R-302A2	Physiotherapy
SRT	R-30297	Plastic Surgery
SRT	R-30275	Psychiatry
SRT	R-42219	Psychology
SRT	R-3024B	Pulmonology
SRT	R-3023C	Radiotheraphy
SRT	R-3027B	Radiology
SRT	R-30262	Rheumatology
SRT	R-42203	Speech and Language Therapy
SRT	R-3027D	Stroke
SRT	R-3027E	Surgery
SRT	R-305EB	Surgical Intensive Care
SRT	R-30281	Thoracic Surgery
SRT	R-30298	Transplant Surgery
SRT	R-30299	Trauma Surgery
SRT	R-30616	Tropical Medicine
SRT	R-42246	Ultrasonography
SRT	R-3029A	Urology
SRT	R-3029B	Vascular Surgery

Note: In SNOMED, there is often a choice of unit, department or service concepts; in DICOM, the department concept is preferred and used in this context group.

CID 7100 RCS Registration Method Type

Context ID 7100

RCS Registration Method Type

Type: Extensible Version: 20040115

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125021	Frame of Reference Identity
DCM	125023	Acquisition Equipment Alignment
DCM	125025	Visual Alignment
DCM	125022	Fiducial Alignment
DCM	125024	Image Content-based Alignment

CID 7101 Brain Atlas Fiducials

Context ID 7101

Brain Atlas Fiducials

Type: Extensible Version: 20040115

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125030	Inter-Hemispheric Plane
SRT	T-A2980	Anterior Commissure
SRT	T-A4904	Posterior Commissure
DCM	125031	Right Hemisphere Most Anterior
DCM	125032	Right Hemisphere Most Posterior
DCM	125033	Right Hemisphere Most Superior
DCM	125034	Right Hemisphere Most Inferior
DCM	125035	Left Hemisphere Most Anterior
DCM	125036	Left Hemisphere Most Posterior
DCM	125037	Left Hemisphere Most Superior
DCM	125038	Left Hemisphere Most Inferior

CID 7150 Segmentation Property Categories

Context ID 7150

Segmentation Property Categories

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D0050	Tissue
SRT	T-D000A	Anatomical Structure
SRT	A-00004	Physical object
SRT	M-01000	Morphologically Altered Structure
SRT	R-42019	Function

CID 7151 Segmentation Property Types

Context ID 7151

Segmentation Property Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 8 Angiographic Interventional Devices		
INCLUDE CID 3010 Cardiovascular Anatomic Locations		
INCLUDE CID 3827 Vessel Segments		
INCLUDE CID 3829 Pulmonary Arteries		
INCLUDE CID 4031 Common Anatomic Regions		
INCLUDE CID 6040 Non-Lesion Object Type		
INCLUDE CID 6138 Chest Non-Lesion Object Type		
INCLUDE CID 7152 Cardiac Structure Segmentation Types		
INCLUDE CID 7153 Brain Tissue Segmentation Types		
INCLUDE CID 7154 Abdominal Organ Segmentation Types		
INCLUDE CID 7155 Thoracic Tissue Segmentation Types		
INCLUDE CID 7156 Vascular Tissue Segmentation Types		
INCLUDE CID 7157 Device Segmentation Types		
INCLUDE CID 7158 Artifact Segmentation Types		
INCLUDE CID 7159 Lesion Segmentation Types		
INCLUDE CID 7160 Pelvic Organ Segmentation Types		
INCLUDE CID 7161 Physiology Segmentation Types		

Note: This set is expected to be extended as various applications further define segmentation properties.

CID 7152 Cardiac Structure Segmentation Types

Context ID 7152

Cardiac Structure Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-32000	Heart
SRT	T-42000	Aorta
SRT	T-32600	Left Ventricle
SRT	T-32500	Right Ventricle

CID 7153 Brain Tissue Segmentation Types

Context ID 7153

Brain Tissue Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-A2030	White Matter
SRT	T-A2020	Grey Matter
SRT	T-A1000	Cerebrospinal Fluid
SRT	T-A1110	Meninges
SRT	T-11100	Skull

CID 7154 Abdominal Organ Segmentation Types

Context ID 7154

Abdominal Organ Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-62000	Liver
SRT	T-C3000	Spleen
SRT	T-71000	Kidney
SRT	T-B3000	Adrenal gland
SRT	T-42000	Aorta
SRT	T-48710	Inferior vena cava

CID 7155 Thoracic Tissue Segmentation Types

Context ID 7155

Thoracic Tissue Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-28000	Lung
SRT	T-D3400	Diaphragm
SRT	T-26000	Bronchi
SRT	T-40000	Blood Vessel
SRT	T-D3300	Mediastinum
SRT	T-D016E	Bone

CID 7156 Vascular Tissue Segmentation Types

Context ID 7156

Vascular Tissue Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-40230	Lumen
SRT	T-1A170	Intima
SRT	T-40210	Media
SRT	T-1A190	Adventitia
SRT	M-35001	Thrombus
SRT	M-520F8	Vascular sclerosis

CID 7157 Device Segmentation Types

Context ID 7157

Device Segmentation Types

Type: Extensible Version: 20091029

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-12024	Bone Pin
SRT	A-12030	Bone Screw
SRT	A-11100	Cardiac Pacemaker
SRT	A-11206	Defibrillator
SRT	A-04200	Dental Prosthesis
SRT	A-04036	Inlay Dental Restoration
SRT	A-11FCD	Left ventricular assist device
SRT	A-04034	Radioactive implant
SRT	A-25500	Stent

CID 7158 Artifact Segmentation Types

Context ID 7158

Artifact Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-00916	Clothing
SRT	A-17350	Table

CID 7159 Lesion Segmentation Types

Context ID 7159

Lesion Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	M-8FFFF	Neoplasm
SRT	M-03010	Nodule
SRT	M-3340A	Cyst
SRT	M-54000	Necrosis
SRT	M-40000	Inflammation
SRT	M-41610	Abscess

CID 7160 Pelvic Organ Segmentation Types

Context ID 7160

Pelvic Organ Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-94000	Testis
SRT	T-83000	Uterus
SRT	T-87000	Ovary
SRT	T-83200	Cervix
SRT	T-92000	Prostate
SRT	T-93000	Seminal Vesicle
SRT	T-59600	Rectum
SRT	T-74000	Bladder
SRT	T-13001	Muscle
SRT	T-40000	Blood Vessel
SRT	T-D016E	Bone

CID 7161 Physiology Segmentation Types

Context ID 7161

Physiology Segmentation Types

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-0039F	Perfusion

CID 7162 Surface Processing Algorithm Families

CID 7162
Surface Processing Algorithm Families

Type: Extensible Version: 20080829

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	123101	Neighborhood Analysis
DCM	123102	Adaptive Filtering
DCM	123103	Edge Detection
DCM	123104	Morphological Operations
DCM	123105	Histogram Analysis
DCM	123106	Multi-Scale/Resolution Filtering

DCM	123107	Cluster Analysis
DCM	123108	Multispectral Processing
DCM	123109	Manual Processing
DCM	123110	Artificial Intelligence
DCM	123111	Deformable Models

CID 7201 Referenced Image Purposes of Reference

Context ID 7201
Referenced Image Purposes of Reference

Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121311	Localizer
DCM	121312	Biopsy localizer
DCM	121313	Other partial views
DCM	121314	Other image of biplane pair
DCM	121315	Other image of stereoscopic pair
DCM	121316	Images related to standalone object
DCM	121317	Spectroscopy
DCM	121338	Anatomic image
DCM	121339	Functional image
DCM	121340	Spectral filtered image
DCM	121341	Device localizer
DCM	121346	Acquisition frames corresponding to volume
DCM	121347	Volume corresponding to spatially-related acquisition frames
DCM	121348	Temporal Predecessor
DCM	121349	Temporal Successor

CID 7202 Source Image Purposes of Reference

Context ID 7202
Source Image Purposes of Reference

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121320	Uncompressed predecessor
DCM	121321	Mask image for image processing operation
DCM	121322	Source image for image processing operation
DCM	121329	Source image for montage
DCM	121330	Lossy compressed predecessor

CID 7203 Image Derivation

Context ID 7203
Image Derivation

Type: Extensible Version: 20091029

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113040	Lossy Compression
DCM	113041	Apparent Diffusion Coefficient
DCM	113042	Pixel by pixel addition
DCM	113043	Diffusion weighted
DCM	113044	Diffusion Anisotropy
DCM	113045	Diffusion Attenuated
DCM	113046	Pixel by pixel division
DCM	113047	Pixel by pixel mask
DCM	113048	Pixel by pixel Maximum
DCM	113049	Pixel by pixel mean
DCM	113050	Metabolite Maps from spectroscopy data
DCM	113051	Pixel by pixel Minimum
DCM	113052	Mean Transit Time
DCM	113053	Pixel by pixel multiplication
DCM	113054	Negative Enhancement Integral
DCM	113055	Regional Cerebral Blood Flow
DCM	113056	Regional Cerebral Blood Volume
DCM	113057	R-Coefficient Map
DCM	113058	Proton Density map
DCM	113059	Signal Change Map
DCM	113060	Signal to Noise Map
DCM	113061	Standard Deviation
DCM	113062	Pixel by pixel subtraction
DCM	113063	T1 Map
DCM	113064	T2* Map
DCM	113065	T2 Map
DCM	113066	Time Course of Signal
DCM	113067	Temperature encoded
DCM	113068	Student’s T-Test
DCM	113069	Time To Peak map
DCM	113070	Velocity encoded
DCM	113071	Z-Score Map
DCM	113072	Multiplanar reformatting
DCM	113073	Curved multiplanar reformatting

DCM	113074	Volume rendering
DCM	113075	Surface rendering
DCM	113076	Segmentation
DCM	113077	Volume editing
DCM	113078	Maximum intensity projection
DCM	113079	Minimum intensity projection
DCM	113085	Spatial resampling
DCM	113086	Edge enhancement
DCM	113087	Smoothing
DCM	113088	Gaussian blur
DCM	113089	Unsharp mask
DCM	113090	Image stitching
DCM	113091	Spatially-related frames extracted from the volume
DCM	113092	Temporally-related frames extracted from the set of volumes
DCM	113097	Multi-energy proportional weighting

CID 7205 Purpose Of Reference to Alternate Representation

Context ID 7205

Purpose Of Reference to Alternate Representation

Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121324	Source image
DCM	121325	Lossy compressed image
DCM	121326	Alternate SOP Class instance
DCM	121327	Full fidelity image
DCM	121328	Alternate Photometric Interpretation image

CID 7210 Related Series Purposes Of Reference

Context ID 7210
Related Series Purposes of Reference

Type: Extensible Version: 20030619

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122400	Simultaneously Acquired
DCM	122401	Same Anatomy
DCM	122402	Same Indication
DCM	122403	For Attenuation Correction

CID 7250 Multi-frame Subset Type

This Context Group specifies the terms used to identify a subset of frames of a multi-frame image. It is used for encoding an equivalent of the Image SOP Instance Reference Macro (see PS 3.3) in an HL7 v3 data structure (see HL7 v3 CMET, COCT_RM830120 “A_DicomCompositeObjectReference minimal”).

Context ID 7250
Multi-frame Subset Type

Type: Extensible Version: 20070625

Coding Scheme Designator	Code Value	Code Meaning
DCM	121190	Referenced Frames
DCM	121191	Referenced Segment

CID 7445 Device Participating Roles

Context ID 7445
Device Participating Roles

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113859	Irradiating Device

CID 7450 Person Roles

Context ID 7450

Person Roles

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121025	Patient

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	J-00552	Healthcare professional
SRT	S-11090	Friend
Include CID 7451		
Include CID 7452		

CID 7451 Family Member

Context ID 7451

Family Member

Type: Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	S-10121	Natural mother
SRT	S-10131	Natural father
SRT	S-10151	Natural sister
SRT	S-10161	Natural brother
SRT	S-101A1	Aunt
SRT	S-101A2	Uncle
SRT	S-10154	Half-sister
SRT	S-10164	Half-brother
SRT	S-10115	Natural grand-mother
SRT	S-10116	Natural grand-father
SRT	S-10181	Natural daughter
SRT	S-10191	Natural son
SRT	S-101A9	Female first cousin
SRT	S-101AA	Male first cousin

CID 7452 Organizational Roles

Context ID 7452
Organizational Roles

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121081	Physician
DCM	121082	Nurse
DCM	121083	Technologist
DCM	121084	Radiographer
DCM	121085	Intern
DCM	121086	Resident
DCM	121087	Registrar
DCM	121088	Fellow
DCM	121089	Attending [Consultant]
DCM	121090	Scrub nurse
DCM	121091	Surgeon
DCM	121092	Sonologist
DCM	121093	Sonographer
DCM	121105	Radiation Physicist

CID 7453 Performing Roles

Context ID 7453
Performing Roles

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121094	Performing
DCM	121095	Referring
DCM	121096	Requesting
DCM	121097	Recording
DCM	121098	Verifying
DCM	121099	Assisting
DCM	121100	Circulating
DCM	121101	Standby
DCM	113850	Irradiation Authorizing
DCM	113851	Irradiation Administering

CID 7454 Species

Context ID 7454
Species

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	L-85B00	homo sapiens
SRT	L-80A00	Feline species
SRT	L-80400	Equine species
SRT	L-80300	Ovine species
SRT	L-80500	Porcine species
SRT	L-80200	Caprine species
SRT	L-80700	Canine species
SRT	L-80100	Bovine species

CID 7455 Sex

This Context Group includes terms for the finding of sex of a subject for clinical purposes, such as selection of sex-based growth metrics.

Context ID 7455
Sex

Type: Non-Extensible Version: 20040112

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Patient's Sex (0010,0040) Equivalent
DCM	M	Male	M
DCM	F	Female	F
DCM	U	Unknown sex	
DCM	MP	Male Pseudohermaphrodite	
DCM	FP	Female Pseudohermaphrodite	
DCM	H	Hermaphrodite	
DCM	MC	Male changed to Female	
DCM	FC	Female changed to Male	
DCM	121104	Ambiguous sex	
DCM	121102	Other sex	
DCM	121103	Undetermined sex	O

Notes: 1. These terms are distinct from the gender of a subject for administrative purposes, although the default value for clinical sex is often based on the administrative gender (e.g., see TID 1007). The administrative value "O" from Patient's Sex (0010,0040) maps by default to "undetermined" for clinical purposes.

2. This Context Group in a prior edition of the Standard included codes improperly attributed to ISO 5218.

3. These terms are derived from the terminology and codes for sex in ASTM E1633-02a “Standard Specification for Coded Values Used in the Electronic Health Record.”

CID 7456 Units of Measure for Age

Context ID 7456
Units of Measure for Age

Type: Non-Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	1.4	a	year
UCUM	1.4	mo	month
UCUM	1.4	wk	week
UCUM	1.4	d	day
UCUM	1.4	h	hour
UCUM	1.4	min	minute

CID 7460 Units of Linear Measurement

Context ID 7460
Units of Linear Measurement

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	1.4	cm	centimeter
UCUM	1.4	mm	millimeter
UCUM	1.4	um	micrometer

CID 7461 Units of Area Measurement

Context ID 7461
Units of Area Measurement

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	1.4	cm2	Square centimeter
UCUM	1.4	mm2	Square millimeter
UCUM	1.4	um2	Square micrometer

CID 7462 Units of Volume Measurement

Context ID 7462
Units of Volume Measurement

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM	1.4	dm3	Cubic decimeter
UCUM	1.4	cm3	Cubic centimeter
UCUM	1.4	mm3	Cubic millimeter
UCUM	1.4	um3	Cubic micrometer

Note: A “cubic decimeter” is a “liter”, just as a “cubic centimeter” is a “milliliter” (of water). Though there are specific units “l” and “ml” in UCUM, only one form is included here, since this context group is intended for use for volume measurements of a physical object derived from one or more images, rather than of fluid volume.

CID 7470 Linear Measurements

Context ID 7470
Linear Measurements

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A22A	Length
DCM	121211	Path length
DCM	121206	Distance
SRT	G-A220	Width
SRT	G-D785	Depth
SRT	M-02550	Diameter
SRT	G-A185	Long Axis
SRT	G-A186	Short Axis
SRT	G-A193	Major Axis
SRT	G-A194	Minor Axis
SRT	G-A195	Perpendicular Axis
SRT	G-A196	Radius
SRT	G-A197	Perimeter
SRT	M-02560	Circumference
SRT	G-A198	Diameter of circumscribed circle
DCM	121207	Height

CID 7471 Area Measurements

Context ID 7471
Area Measurements

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A166	Area
SRT	G-A16A	Area of defined region

CID 7472 Volume Measurements

Context ID 7472
Volume Measurements

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-D705	Volume
DCM	121216	Volume estimated from single 2D region
DCM	121218	Volume estimated from two non-coplanar 2D regions
DCM	121217	Volume estimated from three or more non-coplanar 2D regions
DCM	121222	Volume of sphere
DCM	121221	Volume of ellipsoid
DCM	121220	Volume of circumscribed sphere
DCM	121219	Volume of bounding three dimensional region

CID 7473 General Area Calculation Methods

Context ID 7473
General Area Calculation Methods

Type: Extensible Version: 20070827

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122501	Area of closed irregular polygon
DCM	122502	Area of a closed NURBS

CID 7474 General Volume Calculation Methods

Context ID 7474
General Volume Methods
Type: Extensible Version: 20070827

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	122503	Integration of sum of closed areas on contiguous slices

CID 7480 Breed

Context ID 7480
Breed
Type: Extensible Version: 20090322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 7486		
SRT	L-80139	Hereford cattle superbreed
SRT	L-8C338	Merino sheep superbreed
SRT	L-80121	Africander cattle breed
SRT	L-80122	Ankole cattle breed
SRT	L-80123	Ankole-Watusi cattle breed
SRT	L-80124	Baladicattle cattle breed
SRT	L-80125	Belmont Red cattle breed
SRT	L-80126	Bonsmara cattle breed
SRT	L-80127	Damietta cattle breed
SRT	L-80128	Horro cattle breed
SRT	L-80129	Kuri cattle breed
SRT	L-8012A	Nguni cattle breed
SRT	L-8012B	Philippine Native cattle breed
SRT	L-8012C	Romagnola cattle breed
SRT	L-8012E	Sanhe cattle breed
SRT	L-8012F	Tswana cattle breed
SRT	L-80138	Tuli cattle breed
SRT	L-8013A	Aliab Dinka cattle breed
SRT	L-8013B	Alur cattle breed
SRT	L-8013C	Ankina cattle breed
SRT	L-8013D	Apulian Podolian cattle breed
SRT	L-8013E	Arado cattle breed
SRT	L-8013F	Aweil Dinka cattle breed
SRT	L-8014C	Bahima cattle breed

SRT	L-8014D	Bapedi cattle breed
SRT	L-8014E	Baria (Vietnam/Madagascar) cattle breed
SRT	L-8014F	Barotse cattle breed
SRT	L-8015A	Barra do Cuanzo cattle breed
SRT	L-8015B	Bashi cattle breed
SRT	L-8015C	Basuto cattle breed
SRT	L-8015D	Batangas cattle breed
SRT	L-8015E	Bavenda cattle breed
SRT	L-8015F	Beja cattle breed
SRT	L-80161	Calabrian cattle breed
SRT	L-80162	Blonde-du Cap Bon cattle breed
SRT	L-80163	Cham-Doc cattle breed
SRT	L-80164	Chernigov cattle breed
SRT	L-80165	Chino Santandereano cattle breed
SRT	L-80166	Cinisara cattle breed
SRT	L-80167	Cuprem Hybrid cattle breed
SRT	L-80168	Dabieshan cattle breed
SRT	L-80169	Damara cattle breed
SRT	L-8016A	Danakil cattle breed
SRT	L-8016B	Dnieper cattle breed
SRT	L-8016C	Doayo cattle breed
SRT	L-8016D	Eastern Nuer cattle breed
SRT	L-8016E	Egyptian cattle breed
SRT	L-8016F	Fogera cattle breed
SRT	L-80177	Garfagnina cattle breed
SRT	L-80178	Grati cattle breed
SRT	L-80179	Gaunling cattle breed
SRT	L-8017A	Halhin Gol cattle breed
SRT	L-8017B	Holmonger cattle breed
SRT	L-8017C	Ilocos cattle breed
SRT	L-8017D	Iloilo cattle breed
SRT	L-8017E	Inkuku cattle breed
SRT	L-8017F	Iskar cattle breed
SRT	L-80180	Istrian cattle breed
SRT	L-80181	Javanese Ongole cattle breed
SRT	L-80182	Javanese Zebu cattle breed
SRT	L-80183	Jinnan cattle breed
SRT	L-80184	Kalmyk cattle breed
SRT	L-80185	Kaokoveld cattle breed
SRT	L-80186	Kazakh Whitehead cattle breed
SRT	L-80187	Kedah-Kelantan cattle breed

SRT	L-80188	Kigezi cattle breed
SRT	L-80189	Kisantu cattle breed
SRT	L-8018A	Kolubara cattle breed
SRT	L-8018B	Kurgan cattle breed
SRT	L-8018C	Kyoga cattle breed
SRT	L-8018D	Lucanian cattle breed
SRT	L-8018E	Maremmana cattle breed
SRT	L-8018F	Marianas cattle breed
SRT	L-80190	Maryuti cattle breed
SRT	L-80191	Mauritius Creole cattle breed
SRT	L-80192	Menufi cattle breed
SRT	L-80193	Mezzalina cattle breed
SRT	L-80194	Modicana cattle breed
SRT	L-80195	Moi cattle breed
SRT	L-80196	Nama cattle breed
SRT	L-80197	Nanyang cattle breed
SRT	L-80198	N'Dama Sanga cattle breed
SRT	L-80199	Nganda cattle breed
SRT	L-8019A	Nilotic Sanga cattle breed
SRT	L-8019B	Nkone cattle breed
SRT	L-8019C	North Malawi Angoni cattle breed
SRT	L-8019D	Nuer cattle breed
SRT	L-8019E	Nuras cattle breed
SRT	L-8019F	Nyoro cattle breed
SRT	L-801A0	Ovambo cattle breed
SRT	L-801A1	Pantelleria cattle breed
SRT	L-801A2	Pinzhou cattle breed
SRT	L-801A3	Porto Amboim cattle breed
SRT	L-801A4	Posavina cattle breed
SRT	L-801A5	Romanian Steppe cattle breed
SRT	L-801A6	Saidi cattle breed
SRT	L-801A7	Sardo-Modicana cattle breed
SRT	L-801A8	Sengologa cattle breed
SRT	L-801A9	Serere cattle breed
SRT	L-801AA	Seshaga cattle breed
SRT	L-801AB	Siberian Black Pied cattle breed
SRT	L-801AC	Socotra cattle breed
SRT	L-801AD	Southern Tswana cattle breed
SRT	L-801AE	Spreca cattle breed
SRT	L-801AF	Sunkuma cattle breed
SRT	L-801B0	Taiwan Zebu cattle breed

SRT	L-801B1	Thai cattle breed
SRT	L-801B2	Thailand Fighting Zebu cattle breed
SRT	L-801B3	Thanh-Hoa cattle breed
SRT	L-801B4	Tibetan cattle breed
SRT	L-801B5	Tonga cattle breed
SRT	L-801B6	Toro cattle breed
SRT	L-801B7	Tuni cattle breed
SRT	L-801B8	Turkish Gray Steppe cattle breed
SRT	L-801B9	Tuy-Hoa cattle breed
SRT	L-801BA	Ujumqin cattle breed
SRT	L-801BB	Abigar cattle breed
SRT	L-801BC	Africangnus cattle breed
SRT	L-801BD	Agerolese cattle breed
SRT	L-801BE	Albese cattle breed
SRT	L-801BF	Ukrainian Gray cattle breed
SRT	L-801C0	Vietnamese Yellow cattle breed
SRT	L-801C1	Watusi (USA) cattle breed
SRT	L-801C2	Wenshan cattle breed
SRT	L-801C3	Yakut cattle breed
SRT	L-801C4	Yunnan Zebu cattle breed
SRT	L-801C5	Zambia Angoni cattle breed
SRT	L-801C6	Drakensberger cattle breed
SRT	L-801C7	Modicana lowland cattle breed
SRT	L-801C8	Taiwan Yellow cattle breed
SRT	L-801C9	Menggu cattle breed
SRT	L-801CA	Albères cattlebreed
SRT	L-801CB	Alentejana cattlebreed
SRT	L-801CC	American White Park cattle breed
SRT	L-801CD	Amerifaxcattle breed
SRT	L-801CE	Anatolian Black cattle breed
SRT	L-801CF	Andalusian Black cattle breed
SRT	L-801D0	Andalusian Gray cattle breed
SRT	L-801D1	Angeln cattle breed
SRT	L-801D2	Asturian Mountain cattle breed
SRT	L-801D3	Asturian Valley cattle breed
SRT	L-801D4	Aubrac cattle breed
SRT	L-801D5	Aulie-Ata cattle breed
SRT	L-801D6	Australian Lowline cattle breed
SRT	L-801D7	Barzona cattle breed
SRT	L-801D8	Bazadais cattle breed
SRT	L-801D9	Beefmaker cattle breed

SRT	L-801DA	Belarus Red cattle breed
SRT	L-801DB	Belgian Blue cattle breed
SRT	L-801DC	Belgian Red cattle breed
SRT	L-801DD	Belmont Adaptaur cattle breed
SRT	L-801DE	Berrendas cattle breed
SRT	L-801DF	Blacksided Trondheim and Norland cattle breed
SRT	L-801E0	Blanco Orejinegro cattle breed
SRT	L-801E1	Braunvieh cattle breed
SRT	L-801E2	British White cattle breed
SRT	L-801E3	Cachena cattle breed
SRT	L-801E4	Canary Island cattle breed
SRT	L-801E5	Carinthian Blond cattle breed
SRT	L-801E6	Caucasian cattle breed
SRT	L-801E7	Charolais cattle breed
SRT	L-801EA	Chinese Black-and-White cattle breed
SRT	L-801EB	Corriente cattle breed
SRT	L-801EC	Costeño con Cuernos cattle breed
SRT	L-801ED	Damascus cattle breed
SRT	L-801EE	Danish Red cattle breed
SRT	L-801EF	Devon cattle breed
SRT	L-801F0	Dølafe cattle breed
SRT	L-801F1	Dutch Belted cattle breed
SRT	L-801F2	Dutch Friesian cattle breed
SRT	L-801F3	English Longhorn cattle breed
SRT	L-801F4	Estonian Red cattle breed
SRT	L-801F5	Evolène cattle breed
SRT	L-801F6	Fighting Bull cattle breed
SRT	L-801F7	Fjall cattle breed
SRT	L-801F8	Florida Cracker/Pineywoods cattle breed
SRT	L-801F9	Galician Blond cattle breed
SRT	L-801FA	Gascon cattle breed
SRT	L-801FB	German Red Pied cattle breed
SRT	L-801FC	Glan cattle breed
SRT	L-801FD	Gloucester cattle breed
SRT	L-801FE	Groningen Whiteheaded cattle breed
SRT	L-801FF	Hartón cattle breed
SRT	L-8031A	Bündner Oberland sheep breed
SRT	L-8031B	British Milk Sheep breed
SRT	L-8031C	Brillenschaf sheep breed
SRT	L-8031D	Brecknock Hill Cheviot sheep breed

SRT	L-8031E	Cholistani sheep breed
SRT	L-8031F	Bibrik sheep breed
SRT	L-8032A	Columbia sheep breed
SRT	L-8032B	Black Welsh Mountain Sheep breed
SRT	L-8032C	Blackhead Persian sheep breed
SRT	L-8032D	Bleu du Maine sheep breed
SRT	L-8032E	Bluefaced Leicester sheep breed
SRT	L-8032F	Bond sheep breed
SRT	L-8033A	Border Leicester sheep breed
SRT	L-8033B	Boreray sheep breed
SRT	L-8033C	Bovska sheep breed
SRT	L-8033D	Braunes Bergschaf sheep breed
SRT	L-8033E	Brazilian Somali sheep breed
SRT	L-8033F	Beulah Speckled-Face sheep breed
SRT	L-8034A	Dartmoor sheep breed
SRT	L-8034B	Fabrianese sheep breed
SRT	L-8034C	Exmoor Horn sheep breed
SRT	L-8034D	Elliottdale sheep breed
SRT	L-8034E	Drysdale sheep breed
SRT	L-8034F	Dorset Down sheep breed
SRT	L-80351	German Blackheaded Mutton sheep breed
SRT	L-80352	Kooka sheep breed
SRT	L-80353	Friesian Milk Sheep breed
SRT	L-80354	Gansu Alpine Fine-wool sheep breed
SRT	L-80355	German Whiteheaded Mutton sheep breed
SRT	L-80356	Graue Gehoernte Heidschnucke sheep breed
SRT	L-80357	Han sheep breed
SRT	L-80358	Gromark sheep breed
SRT	L-80359	Gulf Coast Native sheep breed
SRT	L-8035A	Dorper sheep breed
SRT	L-8035B	Devon Closewool sheep breed
SRT	L-8035C	Deutsches Blaukoepfiges Fleischschaf sheep breed
SRT	L-8035D	Derbyshire Gritstone sheep breed
SRT	L-8035E	Coburger Fuchsschaf sheep breed
SRT	L-8035F	Danish Landrace sheep breed
SRT	L-80360	Gute sheep breed
SRT	L-80361	Hampshire sheep breed
SRT	L-80362	Gentile di Puglia sheep breed
SRT	L-80363	German Mountain sheep breed
SRT	L-80364	Luzein sheep breed

SRT	L-80365	Katahdin sheep breed
SRT	L-80366	Leineschaf sheep breed
SRT	L-80367	Lincoln Longwool sheep breed
SRT	L-80368	Llanwenog sheep breed
SRT	L-80369	Lleyn sheep breed
SRT	L-8036A	Damara sheep breed
SRT	L-8036B	Damani sheep breed
SRT	L-8036C	Dalesbred sheep breed
SRT	L-8036D	Dala sheep breed
SRT	L-8036E	Criollo sheep breed
SRT	L-8036F	Cormo sheep breed
SRT	L-80370	Lati sheep breed
SRT	L-80371	Lonk sheep breed
SRT	L-80372	Langhe sheep breed
SRT	L-80373	Manx Loaghtan sheep breed
SRT	L-80374	Masai sheep breed
SRT	L-80375	Merinolandschaf sheep breed
SRT	L-80376	Lohi sheep breed
SRT	L-80377	Ile-de-France sheep breed
SRT	L-80378	Hasht Nagri sheep breed
SRT	L-80379	Hazaragie sheep breed
SRT	L-8037A	Coopworth sheep breed
SRT	L-8037B	Comisana sheep breed
SRT	L-8037C	Comeback sheep breed
SRT	L-8037D	Sicilian Barbary sheep breed
SRT	L-8037E	Africana sheep breed
SRT	L-8037F	Welsh Mountain Badger Faced sheep breed
SRT	L-80380	Hebridean sheep breed
SRT	L-80381	Heidschnucke sheep breed
SRT	L-80382	Herdwick sheep breed
SRT	L-80383	Hill Radnor sheep breed
SRT	L-80384	Icelandic sheep breed
SRT	L-80385	Harnai sheep breed
SRT	L-80386	Istrian Pramenka sheep breed
SRT	L-80387	Jacob sheep breed
SRT	L-80388	Jezerskosolcavska sheep breed
SRT	L-80389	Kachhi sheep breed
SRT	L-8038A	Wensleydale sheep breed
SRT	L-8038B	West African Dwarf sheep breed
SRT	L-8038C	White Suffolk sheep breed
SRT	L-8038D	Whiteface Dartmoor sheep breed

SRT	L-8038E	Whiteface Woodland sheep breed
SRT	L-8038F	Xinjiang Finewool sheep breed
SRT	L-80390	Kajli sheep breed
SRT	L-80391	Hog Island Sheep breed
SRT	L-80392	Biellese sheep breed
SRT	L-80393	Chios sheep breed
SRT	L-80394	Santa Cruz sheep breed
SRT	L-80395	Charollais sheep breed
SRT	L-80396	Castlemilk Moorit sheep breed
SRT	L-80397	Campanian Barbary sheep breed
SRT	L-80398	California Variegated Mutant sheep breed
SRT	L-80399	California Red sheep breed
SRT	L-8039A	Sopravissana sheep breed
SRT	L-8039B	Somali sheep breed
SRT	L-8039C	Welsh Hill Speckled Face sheep breed
SRT	L-8039D	Skudde sheep breed
SRT	L-8039E	Waziri sheep breed
SRT	L-8039F	Shetland sheep breed
SRT	L-80403	Cambridge sheep breed
SRT	L-80404	Solognote sheep breed
SRT	L-8040A	Colombian Criollo horse breed
SRT	L-8040B	Comtois horse breed
SRT	L-8040C	Corsican horse breed
SRT	L-8040D	Costa Rican Saddle Horse horse breed
SRT	L-8040E	Costeno horse breed
SRT	L-8040F	Cuban Paso horse breed
SRT	L-80420	Rough Fell sheep breed
SRT	L-8042D	Danish Warmblood horse breed
SRT	L-80432	Swaledale sheep breed
SRT	L-80434	Polypay sheep breed
SRT	L-80441	Pagliarola sheep breed
SRT	L-80442	Pomeranian Coarsewool sheep breed
SRT	L-80443	Sheep, Breed Undetermined sheep breed
SRT	L-80444	Orkney sheep breed
SRT	L-80445	Old Norwegian sheep breed
SRT	L-80446	Old Format Sheep breed
SRT	L-80447	Norwegian Fur sheep breed
SRT	L-80448	Norfolk Horn sheep breed
SRT	L-80449	Navajo-Churro sheep breed
SRT	L-80466	Racka sheep breed
SRT	L-80467	Rasa Aragonesa sheep breed

SRT	L-80468	Red Engadine sheep breed
SRT	L-80469	Rhoenschaf sheep breed
SRT	L-80470	Hucul horse breed
SRT	L-80471	AraAppaloosa horse breed
SRT	L-80472	Argentine Criollo horse breed
SRT	L-80473	Argentine Polo Pony horse breed
SRT	L-80474	Australian Pony horse breed
SRT	L-80475	Auxois horse breed
SRT	L-80476	Avelignese horse breed
SRT	L-80477	Azerbaijan horse breed
SRT	L-80478	Azores horse breed
SRT	L-80479	Bali horse breed
SRT	L-8047A	Balikun horse breed
SRT	L-8047B	Waziri horse breed
SRT	L-8047C	Banker Horse horse breed
SRT	L-8047D	Bardigiano horse breed
SRT	L-8047E	Batak horse breed
SRT	L-8047F	Bavarian Warmblood horse breed
SRT	L-80480	Belgian Ardennais horse breed
SRT	L-80481	Belgian Halfblood horse breed
SRT	L-80482	Belgian Warmblood horse breed
SRT	L-80483	Bhutia horse breed
SRT	L-80484	Black Sea Horse horse breed
SRT	L-80485	Bosnian horse breed
SRT	L-80486	Boulonnais horse breed
SRT	L-80487	Brandenburg horse breed
SRT	L-80488	Brazilian Sport Horse horse breed
SRT	L-80489	British Appaloosa horse breed
SRT	L-8048A	British Riding Pony horse breed
SRT	L-8048B	British Spotted Pony horse breed
SRT	L-8048C	Buohai horse breed
SRT	L-8048D	Buryat horse breed
SRT	L-8048E	Calabrian horse breed
SRT	L-8048F	Camargue horse breed
SRT	L-80490	Canadian Cutting Horse horse breed
SRT	L-80491	Canadian Rustic Pony horse breed
SRT	L-80492	Canadian Sport Horse horse breed
SRT	L-80493	Canik horse breed
SRT	L-80494	Cape Horse horse breed
SRT	L-80496	Cerbat horse breed
SRT	L-80497	Chakouyi horse breed

SRT	L-80498	Chara Horse horse breed
SRT	L-80499	Chickasaw horse breed
SRT	L-8049A	Chilote horse breed
SRT	L-8049B	Chinese Kazakh horse breed
SRT	L-8049C	Chinese Mongolian horse breed
SRT	L-8049D	Chumbivilcas horse breed
SRT	L-8049E	Chumysh horse breed
SRT	L-8049F	Cirit horse breed
SRT	L-804A1	Irish Draft horse breed
SRT	L-804A2	Irish Hunter horse breed
SRT	L-804A3	Cuban Trotter horse breed
SRT	L-804A4	Italian Heavy Draft horse breed
SRT	L-804A5	Jabe horse breed
SRT	L-804A6	Java horse breed
SRT	L-804A7	Vendéen sheep breed
SRT	L-804A8	Czech Warmblood horse breed
SRT	L-804A9	Jinhong horse breed
SRT	L-804AA	Jinzhou horse breed
SRT	L-804AC	Danubian horse breed
SRT	L-804AD	Karachai horse breed
SRT	L-804AE	Karakacan horse breed
SRT	L-804AF	Kathiawari horse breed
SRT	L-804B1	Ke-Er-Qin horse breed
SRT	L-804B2	Kirgiz horse breed
SRT	L-804B3	Kuznet horse breed
SRT	L-804B4	Landais horse breed
SRT	L-804B5	Lewitzer horse breed
SRT	L-804B6	Lichuan horse breed
SRT	L-804B7	Lijiang horse breed
SRT	L-804B8	Llanero horse breed
SRT	L-804B9	Lombok horse breed
SRT	L-804BA	Lundy Pony horse breed
SRT	L-804BB	Malakan horse breed
SRT	L-804BC	Malopolski horse breed
SRT	L-804BD	Datong horse breed
SRT	L-804BE	Mangalarga Paulista horse breed
SRT	L-804BF	Dulmen Pony horse breed
SRT	L-804C1	Maremmana horse breed
SRT	L-804C2	Marwari horse breed
SRT	L-804C3	Megezh horse breed
SRT	L-804C4	Megrel horse breed

SRT	L-804C5	Merens horse breed
SRT	L-804C6	Messara horse breed
SRT	L-804C7	Sumba horse breed
SRT	L-804C8	Sumbawa horse breed
SRT	L-804C9	Swedish Ardennes horse breed
SRT	L-804CA	Dutch Tuigpaard horse breed
SRT	L-804CB	East and Southeast Anadolu horse breed
SRT	L-804CC	Thai Pony horse breed
SRT	L-804CD	Thessalonian horse breed
SRT	L-804CE	Tibetan horse breed
SRT	L-804CF	Tieling horse breed
SRT	L-804D1	Timor horse breed
SRT	L-804D2	Trakya horse breed
SRT	L-804D3	Trote en Gallope horse breed
SRT	L-804D4	Turkoman horse breed
SRT	L-804D5	Tushin horse breed
SRT	L-804D6	Tuva horse breed
SRT	L-804D7	Uzunyayla horse breed
SRT	L-804D9	Voronezh Coach Horse horse breed
SRT	L-804DA	Elegant Warmblood horse breed
SRT	L-804DB	Welsh Cob horse breed
SRT	L-804DC	Welsh Mountain Pony horse breed
SRT	L-804DE	English Hack horse breed
SRT	L-804DF	Wurttemberg horse breed
SRT	L-804E1	Xilingol horse breed
SRT	L-804E2	Yanqi horse breed
SRT	L-804E3	Yemeni Horses horse breed
SRT	L-804E4	Yili horse breed
SRT	L-804E5	Yiwu horse breed
SRT	L-804E6	Yunnan horse breed
SRT	L-804E7	German Riding Pony horse breed
SRT	L-804E8	Guanzhong horse breed
SRT	L-804E9	Guizhou horse breed
SRT	L-804EA	Guoxia horse breed
SRT	L-804EB	Erlunchun horse breed
SRT	L-804EC	Half Saddlebred horse breed
SRT	L-804ED	Flores horse breed
SRT	L-804EE	Freiberg horse breed
SRT	L-804EF	Hessen horse breed
SRT	L-804F1	Hinis horse breed
SRT	L-804F2	Hirzai horse breed

SRT	L-804F3	Hungairan Coldblood horse breed
SRT	L-804F4	Hungarian Dun horse breed
SRT	L-804F5	Hungarian Sport Horse horse breed
SRT	L-804F6	International Striped Horse horse breed
SRT	L-804F7	Irish Cob horse breed
SRT	L-804F8	Mezen horse breed
SRT	L-804F9	Mezohegyes Sport Horse horse breed
SRT	L-804FA	French Cob horse breed
SRT	L-804FB	French Saddle pony horse breed
SRT	L-804FC	Murakoz horse breed
SRT	L-804FE	Finnhorse Draft horse breed
SRT	L-804FF	Mecklenburg horse breed
SRT	L-80504	Catalana chicken breed
SRT	L-80542	Haiti Creole pig breed
SRT	L-80543	Manor Hybrid pig breed
SRT	L-80544	Hamline pig breed
SRT	L-80545	Manor Ranger pig breed
SRT	L-80546	Manor Meishan pig breed
SRT	L-80547	Cotswold Gold pig breed
SRT	L-80548	Cotswold Platinum pig breed
SRT	L-80549	Cotswold 16 pig breed
SRT	L-8054A	Cotswold 29 pig breed
SRT	L-8054B	Cotswold 90 pig breed
SRT	L-8054C	Hampen pig breed
SRT	L-8054D	SPM pig breed
SRT	L-8054E	High Conformation White pig breed
SRT	L-8054F	Line 32 pig breed
SRT	L-80555	Line 21 pig breed
SRT	L-80556	Meatline pig breed
SRT	L-80557	Hampline pig breed
SRT	L-80558	Euroline pig breed
SRT	L-80559	Norline pig breed
SRT	L-8055A	Premier pig breed
SRT	L-8055B	Tribred pig breed
SRT	L-8055C	American Essex pig breed
SRT	L-8055D	Sino-Gascony pig breed
SRT	L-8055E	Guadeloupe Creole pig breed
SRT	L-8055F	Managra pig breed
SRT	L-8056A	Canadian Landrace pig breed
SRT	L-8056B	Canadian Yorkshire pig breed
SRT	L-8056C	Minnesota #4 pig breed

SRT	L-8056D	Pineywoods pig breed
SRT	L-8056E	Catalina Island pig breed
SRT	L-8056F	Ras-n-Lansa pig breed
SRT	L-8057B	Pitman-Moore Miniature pig breed
SRT	L-8057C	Vita Vet Lab Minipig pig breed
SRT	L-8057D	Hanford Miniature pig breed
SRT	L-8057E	Black Hampshire pig breed
SRT	L-8057F	Red Hamprace pig breed
SRT	L-80583	American Yorkshire pig breed
SRT	L-80584	American Berkshire pig breed
SRT	L-80585	Camborough Blue pig breed
SRT	L-80586	Camborough 12 pig breed
SRT	L-80587	Westrain pig breed
SRT	L-80588	Dalland 030 pig breed
SRT	L-80589	Razor-Back pig breed
SRT	L-8058A	Macau pig breed
SRT	L-8058B	Moura pig breed
SRT	L-8058C	Canastra pig breed
SRT	L-8058D	Pirapetinga pig breed
SRT	L-8058E	Piau pig breed
SRT	L-8058F	Nilo-Canastra pig breed
SRT	L-80595	Canastrão pig breed
SRT	L-80596	Canastrão, Junqueira pig breed
SRT	L-80597	Canastrão, Capitão Chico pig breed
SRT	L-80598	Canastrão, Zabumba pig breed
SRT	L-80599	Canastrão, Cabano pig breed
SRT	L-8059A	Canastrão, Vermelho pig breed
SRT	L-8059B	Piau, Caruncho Piau pig breed
SRT	L-8059C	Canastrinho pig breed
SRT	L-8059D	Honduras Switch-Tail pig breed
SRT	L-8059E	Mastergilt pig breed
SRT	L-8059F	Sovereign pig breed
SRT	L-805A1	Poltava pig breed
SRT	L-805A2	Lipetsk pig breed
SRT	L-805A3	Soviet Meat pig breed
SRT	L-805A4	Central Russian pig breed
SRT	L-805A5	Steppe Meat pig breed
SRT	L-805A6	Kharkov pig breed
SRT	L-805A7	Dnepropetrovsk pig breed
SRT	L-805A8	Russian Large White pig breed
SRT	L-805A9	Forest Mountain pig breed

SRT	L-805AA	Dnieper pig breed
SRT	L-805AB	Iberian pig breed
SRT	L-805AC	Iberian, Extremadura Red pig breed
SRT	L-805AD	Iberian, Jabugo Spotted pig breed
SRT	L-805AE	Iberian, Black Iberian pig breed
SRT	L-805AF	Philippine Native, Ilocos pig breed
SRT	L-805B1	Philippine Native, Jalajala pig breed
SRT	L-805B2	Mangalista pig breed
SRT	L-805B3	Alentejana pig breed
SRT	L-805B4	Belgian Landrace, BN pig breed
SRT	L-805B5	French Large White pig breed
SRT	L-805B6	Hyper Large White pig breed
SRT	L-805B7	Tia Meslan pig breed
SRT	L-805B8	Pen ar Lan 77 pig breed
SRT	L-805B9	Penshire pig breed
SRT	L-805BA	Laconie pig breed
SRT	L-805BB	Murcian pig breed
SRT	L-805BC	Cavallino pig breed
SRT	L-805BD	Calabrian pig breed
SRT	L-805BE	Apulian pig breed
SRT	L-805BF	Siena Belted pig breed
SRT	L-805C1	Calascibetta pig breed
SRT	L-805C2	Güssing Forest Pig pig breed
SRT	L-805C3	Swiss Edelschwein pig breed
SRT	L-805C4	North Caucasus pig breed
SRT	L-805C5	Don pig breed
SRT	L-805C6	Rostov pig breed
SRT	L-805C7	Russian Long-Eared White pig breed
SRT	L-805C8	Russian Short-Eared White pig breed
SRT	L-805C9	Prisheksninsk pig breed
SRT	L-805CA	Breitov pig breed
SRT	L-805CB	Livny pig breed
SRT	L-805CC	Tsivilsk pig breed
SRT	L-805CD	Urzhum pig breed
SRT	L-805CE	Minisib pig breed
SRT	L-805CF	Sakhalin White pig breed
SRT	L-805D0	North Siberian pig breed
SRT	L-805D1	Siberian Black Pied pig breed
SRT	L-805D2	Kemerovo pig breed
SRT	L-805D3	KM-1 pig breed
SRT	L-805D4	Aksaî Black Pied pig breed

SRT	L-805D5	Semirechensk pig breed
SRT	L-805D6	Min pig breed
SRT	L-805D7	Sanjiang White pig breed
SRT	L-805D8	Basque Black Pied pig breed
SRT	L-805D9	Corsican pig breed
SRT	L-805DA	Créole pig breed
SRT	L-805DB	Gascony pig breed
SRT	L-805DC	Limousin pig breed
SRT	L-805DD	Harbin White pig breed
SRT	L-805DE	Heilongjiang Spotted pig breed
SRT	L-805DF	Liaoning Black pig breed
SRT	L-805E1	Huang-Huai-Hai Black, Shenxian pig breed
SRT	L-805E2	Huang-Huai-Hai Black pig breed
SRT	L-805E3	Bamei pig breed
SRT	L-805E4	Hanjiang Black pig breed
SRT	L-805E5	Ding pig breed
SRT	L-805E6	Huai pig breed
SRT	L-805E7	New Huai pig breed
SRT	L-805E8	Mashen pig breed
SRT	L-805E9	Yimeng Black pig breed
SRT	L-805EB	Hetao Lop-Ear pig breed
SRT	L-805EC	Korean Native pig breed
SRT	L-805ED	Korean Improved pig breed
SRT	L-805EE	Penbuk pig breed
SRT	L-805EF	Beijing Black pig breed
SRT	L-805F1	Chenghua pig breed
SRT	L-805F2	Taoyuan pig breed
SRT	L-805F3	Taiwan Small Black pig breed
SRT	L-805F4	Taiwan Small Red pig breed
SRT	L-805F5	Guanling pig breed
SRT	L-805F6	Huchuan Mountain pig breed
SRT	L-805F7	Rongchang pig breed
SRT	L-805F8	Wujin pig breed
SRT	L-805F9	Dahe pig breed
SRT	L-805FA	Yanan pig breed
SRT	L-805FB	South Yunnan Short-Eared pig breed
SRT	L-805FC	Hainan, Lingao pig breed
SRT	L-805FD	Hainan, Tunchang pig breed
SRT	L-805FE	Hainan, Wenchang pig breed
SRT	L-805FF	Liang Guang Small Spotted pig breed
SRT	L-8060A	German Pasture pig breed

SRT	L-8060B	Piau, Sorocaba pig breed
SRT	L-8060C	Nilo pig breed
SRT	L-8060D	Bahia pig breed
SRT	L-8060E	Perna-Curta pig breed
SRT	L-8060F	Carunchinho pig breed
SRT	L-80613	Mandi pig breed
SRT	L-80614	Orehla de Colher pig breed
SRT	L-80615	Venezuelan Black pig breed
SRT	L-80616	Bolivian pig breed
SRT	L-80617	Pelón pig breed
SRT	L-80618	Mexican Wattled pig breed
SRT	L-80619	Dalland 080 pig breed
SRT	L-8061A	Sterling pig breed
SRT	L-8061B	Monarch pig breed
SRT	L-8061C	Bisaro pig breed
SRT	L-8061D	Black Hairless pig breed
SRT	L-8061E	Black Mangalitsa pig breed
SRT	L-8061F	Black Slavonian pig breed
SRT	L-80623	Borghigiana pig breed
SRT	L-80624	Chianina pig breed
SRT	L-80625	Cosentina pig breed
SRT	L-80626	Cuino pig breed
SRT	L-80627	Friuli Black pig breed
SRT	L-80628	Fumati pig breed
SRT	L-80629	Galician pig breed
SRT	L-8062A	German Berkshire pig breed
SRT	L-8062B	Ghori pig breed
SRT	L-8062C	Jianli pig breed
SRT	L-8062D	Lucanian pig breed
SRT	L-8062E	Maremmana pig breed
SRT	L-8062F	Miami pig breed
SRT	L-80634	Montmorillon pig breed
SRT	L-80635	Old Swedish Spotted pig breed
SRT	L-80636	Oliventina pig breed
SRT	L-80637	Parmense pig breed
SRT	L-80638	Romagnola pig breed
SRT	L-80639	Siberian pig breed
SRT	L-8063A	Small White pig breed
SRT	L-8063B	Baltaret pig breed
SRT	L-8063C	Tungchang pig breed
SRT	L-8063D	Sterling pig breed

SRT	L-8063E	Vich pig breed
SRT	L-8063F	Vietnamese pig breed
SRT	L-80645	Vitoria pig breed
SRT	L-80646	Wai Chow pig breed
SRT	L-80647	Yorkshire Blue and White pig breed
SRT	L-80648	Dalland 020 pig breed
SRT	L-80649	Wiltshire pig breed
SRT	L-8064A	Hamroc pig breed
SRT	L-8064B	DRU™ Terminals pig breed
SRT	L-8064C	Camborough 22 pig breed
SRT	L-8064D	Camborough 15 pig breed
SRT	L-8064E	PR 1050 pig breed
SRT	L-8064F	PR 1075 pig breed
SRT	L-8065A	Chryak PIC pig breed
SRT	L-8065B	Canadian Royal Blue pig breed
SRT	L-8065C	Line 500 Duroc pig breed
SRT	L-8065D	Bodmin 950 pig breed
SRT	L-8065E	Canadian Duroc pig breed
SRT	L-8065F	Canadian Hampshire pig breed
SRT	L-80664	Ba Xuyen pig breed
SRT	L-80665	Arapawa Island pig breed
SRT	L-80010	Wuzhishan pig breed
SRT	L-80667	Philippine Native pig breed
SRT	L-80668	Sinclair Miniature pig breed
SRT	L-80669	Saddleback pig breed
SRT	L-8066A	Yucatan Minature pig breed
SRT	L-8066B	Bantu pig breed
SRT	L-8066C	Tibetan pig breed
SRT	L-8066D	Turopolje pig breed
SRT	L-8066E	Vietnamese Pot-Bellied Pig pig breed
SRT	L-8066F	American Landrace pig breed
SRT	L-80670	Swallow Belied Mangalitza pig breed
SRT	L-80671	Fengjing pig breed
SRT	L-80672	Finnish Landrace pig breed
SRT	L-80673	Guinea Hog pig breed
SRT	L-80674	Hezuo pig breed
SRT	L-80675	Ossabaw Island pig breed
SRT	L-80676	Kele pig breed
SRT	L-80677	Krskopolje pig breed
SRT	L-80678	Kunekune pig breed
SRT	L-80679	Large Black-White pig breed

SRT	L-8067A	Lithuanian Native pig breed
SRT	L-8067B	Meishan pig breed
SRT	L-8067C	Jinhua pig breed
SRT	L-8067D	Ningxiang pig breed
SRT	L-8067E	Mora Romagnola pig breed
SRT	L-8067F	Mukota pig breed
SRT	L-80680	Minzhu pig breed
SRT	L-80681	Neijiang pig breed
SRT	L-80682	Mulefoot pig breed
SRT	L-80683	Normand pig breed
SRT	L-80684	Angeln Saddleback pig breed
SRT	L-80685	Greek Local pig breed
SRT	L-80686	Icelandic pig breed
SRT	L-80687	Casertana pig breed
SRT	L-80688	Madonie-Sicilian pig breed
SRT	L-80689	Sardinian pig breed
SRT	L-8068A	Sicilian pig breed
SRT	L-8068B	Zlotniki Spotted pig breed
SRT	L-8068C	Zlotniki White pig breed
SRT	L-8068D	Siska pig breed
SRT	L-8068E	Sumadija pig breed
SRT	L-8068F	Froxfield Pygmy pig breed
SRT	L-80690	Danish Large White pig breed
SRT	L-80691	Danish Duroc pig breed
SRT	L-80692	Danish Hampshire pig breed
SRT	L-80693	Piggham pig breed
SRT	L-80694	New York Red pig breed
SRT	L-80695	Finnish Yorkshire pig breed
SRT	L-80696	Dutch Yorkshire pig breed
SRT	L-80697	Pulawy pig breed
SRT	L-80698	Pomeranian pig breed
SRT	L-80699	Polish Landrace pig breed
SRT	L-8069A	Estonian Bacon pig breed
SRT	L-8069B	Latvian White pig breed
SRT	L-8069C	Lithuanian White pig breed
SRT	L-8069D	BKB-1 pig breed
SRT	L-8069E	Belorus Black Pied pig breed
SRT	L-8069F	Mirgorod pig breed
SRT	L-806A1	Liang Guang Small Spotted, Luchuan pig breed
SRT	L-806A2	Fujian Small pig breed

SRT	L-806A3	North Fujian Black-and-White pig breed
SRT	L-806A4	Fuan Spotted pig breed
SRT	L-806A5	Putian pig breed
SRT	L-806A6	Fuzhou Black pig breed
SRT	L-806A7	Minbei Spotted pig breed
SRT	L-806A8	Lantang pig breed
SRT	L-806A9	Liang Guang Small Spotted, Guangdong Small Ear pig breed
SRT	L-806AA	Longlin pig breed
SRT	L-806AB	Yuedong Black pig breed
SRT	L-806AC	Xiang pig breed
SRT	L-806AD	Cantonese pig breed
SRT	L-806AE	Jinhua, Dongyang pig breed
SRT	L-806AF	Jinhua, Yongkang pig breed
SRT	L-806B1	Daweizi pig breed
SRT	L-806B2	Huazhong Two-End Black pig breed
SRT	L-806B3	Huazhong Two-End Black, Jianli pig breed
SRT	L-806B4	Huazhong Two-End Black, Tongcheng pig breed
SRT	L-806B5	Huazhong Two-End Black, Satzeling pig breed
SRT	L-806B6	Ganzhongnan Spotted pig breed
SRT	L-806B7	Hang pig breed
SRT	L-806B8	Leping pig breed
SRT	L-806B9	Longyou Black pig breed
SRT	L-806BA	Wuyi Black pig breed
SRT	L-806BB	Lee-Sung pig breed
SRT	L-806BC	Lan-Yu pig breed
SRT	L-806BD	Vietnamese Yorkshire pig breed
SRT	L-806BE	Yujiang pig breed
SRT	L-806BF	Wanzhe Spotted pig breed
SRT	L-806C1	Wanzhe Spotted, Chunan Spotted pig breed
SRT	L-806C2	Wanzhe Spotted, Wannan Spotted pig breed
SRT	L-806C3	Shengxian Spotted pig breed
SRT	L-806C4	Qingping pig breed
SRT	L-806C5	Xiangxi Black pig breed
SRT	L-806C6	Bamaxiang pig breed
SRT	L-806C7	Taihu pig breed
SRT	L-806C8	Erhulian pig breed
SRT	L-806C9	Jiaxing Black pig breed
SRT	L-806CA	Mi pig breed
SRT	L-806CB	Shahutou pig breed
SRT	L-806CC	Jiaoxi pig breed

SRT	L-806CD	Shanghai White pig breed
SRT	L-806CE	Hubei White pig breed
SRT	L-806CF	Xinjin pig breed
SRT	L-806D1	Xinjin, Jilin Black pig breed
SRT	L-806D2	Xinjin, Ning-an pig breed
SRT	L-806D3	Í pig breed
SRT	L-806D4	DBI pig breed
SRT	L-806D5	Xinjin, Xinjin pig breed
SRT	L-806D6	Meixin pig breed
SRT	L-806D7	North East China Spotted pig breed
SRT	L-806D8	Fannong Spotted pig breed
SRT	L-806D9	Laoshan pig breed
SRT	L-806DA	Nanjing Black pig breed
SRT	L-806DB	Shanxi Black pig breed
SRT	L-806DC	Ganzhou White pig breed
SRT	L-806DD	Guangxi White pig breed
SRT	L-806DE	Hanzhong White pig breed
SRT	L-806DF	Lutai White pig breed
SRT	L-806E1	Yili White pig breed
SRT	L-806E2	Xinjiang White pig breed
SRT	L-806E3	BSI pig breed
SRT	L-806E4	Mong Cai pig breed
SRT	L-806E5	Lang Hong pig breed
SRT	L-806E6	Muong Khuong pig breed
SRT	L-806E7	Meo pig breed
SRT	L-806E8	Tong Con pig breed
SRT	L-806E9	Ha Bac pig breed
SRT	L-806EA	Thai Binh pig breed
SRT	L-806EB	Co pig breed
SRT	L-806EC	Swiss Improved Landrace pig breed
SRT	L-806ED	German Landrace B pig breed
SRT	L-806EE	Edelschwein pig breed
SRT	L-806EF	Swabian-Hall pig breed
SRT	L-806F1	Bentheim Black Pied pig breed
SRT	L-806F2	Baldinger Spotted pig breed
SRT	L-806F3	German Red Pied pig breed
SRT	L-806F4	German Cornwall pig breed
SRT	L-806F5	Göttingen Miniature pig breed
SRT	L-806F6	Munich Miniature pig breed
SRT	L-806F8	Leicoma pig breed
SRT	L-806F9	Schwerfurt Meat pig breed

SRT	L-806FA	Hungarian White pig breed
SRT	L-806FB	Hungahyb pig breed
SRT	L-806FC	Bulgarian Native pig breed
SRT	L-806FD	East Balkan pig breed
SRT	L-806FE	Kula pig breed
SRT	L-806FF	Nghia Binh pig breed
SRT	L-807E1	Bizanian Hound dog breed
SRT	L-807E2	Bichon Teneriffe dog breed
SRT	L-807E3	Bizanian Hound dog breed
SRT	L-807E4	Bloodhound, St. Hubert dog breed
SRT	L-807E5	Bloodhound, Southern Hound dog breed
SRT	L-807E6	Bordeaux Dog breed
SRT	L-807E7	Brandlbracke dog breed
SRT	L-807E8	Braque d'Ariége dog breed
SRT	L-807E9	Portuguese Guard Dog breed
SRT	L-807EA	Great Münsterländer dog breed
SRT	L-807EB	Beagle, Smooth dog breed
SRT	L-807EC	Beagle, Rough dog breed
SRT	L-807ED	Belgian Griffon, Rough dog breed
SRT	L-807EE	Belgian Griffon, Smooth dog breed
SRT	L-807EF	Braque Belge dog breed
SRT	L-807F1	Belgian Street Dog breed
SRT	L-807F2	Bernese Hound dog breed
SRT	L-808A1	Eurasier dog breed
SRT	L-808A2	English Bulldog breed
SRT	L-808A3	Dogue de Bourdeaux dog breed
SRT	L-808A4	Kai Ken dog breed
SRT	L-808A5	Kui Mlk dog breed
SRT	L-808A6	Argentine Dogo dog breed
SRT	L-808A7	Alentejo herder dog breed
SRT	L-808A8	Saint Bernard, Long-haired dog breed
SRT	L-808A9	Saint Bernard, Short-haired dog breed
SRT	L-808AA	West Siberian Laika dog breed
SRT	L-808AB	Basset Fauve de Bretagne dog breed
SRT	L-808AC	Japanese Retriever dog breed
SRT	L-808AD	Kai Dog breed
SRT	L-808AE	American Blue Gascon Hound dog breed
SRT	L-808AF	Beagle Harrier dog breed
SRT	L-808B1	Kangal Dog breed
SRT	L-808B2	Leopard Cur dog breed
SRT	L-808B3	Patterdale Terrier dog breed

SRT	L-808B4	Petit Brabaçon dog breed
SRT	L-808B5	Aidi dog breed
SRT	L-808B6	American Indian Dog breed
SRT	L-808B7	Austrian Pinscher dog breed
SRT	L-808B8	American Eskimo, standard dog breed
SRT	L-808B9	American Eskimo, Miniature dog breed
SRT	L-808BA	American Eskimo, Toy dog breed
SRT	L-808BB	Basset Griffon Vendéen dog breed
SRT	L-808BC	Batard dog breed
SRT	L-808BD	Basset Bleu de Gascogne dog breed
SRT	L-808BE	Braque Dupuy dog breed
SRT	L-808BF	Bruno de Jura dog breed
SRT	L-808C1	Cão da Serra de Aires dog breed
SRT	L-808C2	Cão de Castro Laboreiro dog breed
SRT	L-808C3	Cão de Fila Miguel dog breed
SRT	L-808C4	Catalan Sheepdog breed
SRT	L-808C5	Caucasian Shepherd Dog breed
SRT	L-808C6	Cirneco dell'Etna dog breed
SRT	L-808C7	English Toy Terrier dog breed
SRT	L-808C8	German Spitz dog breed
SRT	L-808C9	Dingo dog breed
SRT	L-808CA	Fauve de Bretagne dog breed
SRT	L-808CB	Hellenic Hound dog breed
SRT	L-808CC	Holland Shepherd dog breed
SRT	L-808CD	Japanese Spitz dog breed
SRT	L-808CE	Jämthund dog breed
SRT	L-808CF	Jindo dog breed
SRT	L-808D1	Karelo-Finnish Laika dog breed
SRT	L-808D2	King Shepherd dog breed
SRT	L-808D3	Kishu dog breed
SRT	L-808D4	Kirhiz dog breed
SRT	L-808D5	Magyar Agår dog breed
SRT	L-808D6	Middle Asian Ovtcharka dog breed
SRT	L-808D7	Mi-Ki dog breed
SRT	L-808D8	Miniature Australian Shepherd dog breed
SRT	L-808D9	Min-pei dog breed
SRT	L-808DA	Mountain Cur dog breed
SRT	L-808DB	Moscow Longhaired Toy Terrier dog breed
SRT	L-808DC	Perdigueiro Portuguese dog breed
SRT	L-808DD	Podengo Canario dog breed
SRT	L-808DE	Podengo Pequeno dog breed

SRT	L-808DF	Pressa Mallorquin dog breed
SRT	L-808E1	Pyrenean Mastiff dog breed
SRT	L-808E2	Rastreador Brasileiro dog breed
SRT	L-808E3	Sabuesos Españoles dog breed
SRT	L-808E4	Schiller Hound dog breed
SRT	L-808E5	South Russian Steppe Hound dog breed
SRT	L-808E6	Styrian Mountain dog breed
SRT	L-808E7	Berger du Languedoc dog breed
SRT	L-808E8	Teddy Roosevelt Terrier dog breed
SRT	L-808E9	Transylvanian Hound dog breed
SRT	L-808EA	Trigg Hound dog breed
SRT	L-808EB	Tyrolean Hound dog breed
SRT	L-808EC	White Shepherd dog breed
SRT	L-808ED	Wirehair Styrian mountain dog breed
SRT	L-808EE	Yugoslavian Hound dog breed
SRT	L-808EF	Old Farm Collie dog breed
SRT	L-808F1	Old German Shepherd dog breed
SRT	L-808F2	New Zealand Heading Dog breed
SRT	L-808F3	German Koolie dog breed
SRT	L-808F4	Smithfield dog breed
SRT	L-808F5	Spanish Greyhound dog breed
SRT	L-808F6	Armant dog breed
SRT	L-808F8	Australian Greyhound dog breed
SRT	L-808F9	Australian Terrier, rough-coated dog breed
SRT	L-808FA	Australian Terrier, silky dog breed
SRT	L-808FB	Austrian Hound dog breed
SRT	L-808FC	Austrian Smooth-Haired Bracke dog breed
SRT	L-808FD	Balkan Hound dog breed
SRT	L-808FE	Banjara greyhound dog breed
SRT	L-808FF	Beagle, Standard dog breed
SRT	L-80916	Estrela Mountain Dog breed
SRT	L-80917	Epagneul Picard dog breed
SRT	L-80918	Epagneul Bleu de Picardie dog breed
SRT	L-80919	Estonian Hound dog breed
SRT	L-80920	Epagneul Pont-Audemer dog breed
SRT	L-80921	Eurasian dog breed
SRT	L-80922	Fell Terrier dog breed
SRT	L-80923	Fila Brasileiro dog breed
SRT	L-80924	Finnish Hound dog breed
SRT	L-80925	Finnish Lapphund dog breed
SRT	L-80926	Entlebucher dog breed

SRT	L-80927	French Guard Dog breed
SRT	L-80928	French Spaniel dog breed
SRT	L-80929	Coton de Tuléar dog breed
SRT	L-80930	Hamiltonstövare dog breed
SRT	L-80931	Danish Broholmer dog breed
SRT	L-80932	English Shepherd dog breed
SRT	L-80933	Drentse Patrijshond dog breed
SRT	L-80934	Dunker dog breed
SRT	L-80935	Dutch Kooiker Dog breed
SRT	L-80936	Dutch Shepherd dog breed
SRT	L-80937	East Siberian Laika dog breed
SRT	L-80938	Deutsche bracke dog breed
SRT	L-80939	Hanoverian Hound dog breed
SRT	L-80940	Hovawart dog breed
SRT	L-80941	Icelandic Sheepdog breed
SRT	L-80942	Inca Hairless Dog breed
SRT	L-80943	Irish Red and White Setter dog breed
SRT	L-80944	Jagdterrier dog breed
SRT	L-80945	German Spaniel dog breed
SRT	L-80946	Grand Anglo-Français dog breed
SRT	L-80947	Grand Bassett Griffon Vendeen dog breed
SRT	L-80948	Grand Bleu de Gascogne dog breed
SRT	L-80949	Grand Gascon-Saintongeois dog breed
SRT	L-80950	German Pinscher dog breed
SRT	L-80951	Greater Swiss Mountain Dog breed
SRT	L-80952	Greenland Dog breed
SRT	L-80953	Griffon Fauve de Bretegne dog breed
SRT	L-80954	Griffon Nivernais dog breed
SRT	L-80955	Grand Griffon Vendeen dog breed
SRT	L-80956	Ainu dog breed
SRT	L-80957	Basset Artésian Normand dog breed
SRT	L-80958	Bavarian Mountain Hound dog breed
SRT	L-80959	Beauceron dog breed
SRT	L-80960	Azawakh dog breed
SRT	L-80961	Australian Shepherd dog breed
SRT	L-80962	Belgian Wolfhound dog breed
SRT	L-80963	Bergamasco dog breed
SRT	L-80964	Berger de Picard dog breed
SRT	L-80965	Berger de Pyrenees dog breed
SRT	L-80966	Billy dog breed
SRT	L-80967	Belgian Griffon dog breed

SRT	L-80968	American Hairless Terrier dog breed
SRT	L-80969	Beagle, Elizabethan dog breed
SRT	L-80970	Japanese Pointer dog breed
SRT	L-80971	Akbash dog breed
SRT	L-80972	Alapaha blueblood bullDog breed
SRT	L-80973	Barbet dog breed
SRT	L-80974	American Bulldog breed
SRT	L-80975	Black Russian Terrier dog breed
SRT	L-80976	Anglo-Francais de moyen venerie dog breed
SRT	L-80977	Anglo-Francais de petit venerie dog breed
SRT	L-80978	Appenzeller dog breed
SRT	L-80979	Ariégeois dog breed
SRT	L-80980	Alano Español dog breed
SRT	L-80981	Australian Kelpie dog breed
SRT	L-80982	Alpine dachsbracke dog breed
SRT	L-80983	Chien Français Blanc et Noir dog breed
SRT	L-80984	Carolina Dog breed
SRT	L-80985	Catahoula Leopard dog breed
SRT	L-80986	Caucasian Mountain Dog breed
SRT	L-80987	Cesky Fousek dog breed
SRT	L-80988	Cesky Terrier dog breed
SRT	L-80989	Chart Polski dog breed
SRT	L-80990	Black Forest Hound dog breed
SRT	L-80991	Chien d'Artois dog breed
SRT	L-80992	Canaan dog breed
SRT	L-80993	Chien Français Tricolore dog breed
SRT	L-80994	Chinese Crested dog breed
SRT	L-80995	Chinese Foo Dog breed
SRT	L-80996	Chinese Imperial ch'in dog breed
SRT	L-80997	Chinook dog breed
SRT	L-80998	Chien Français Blanc et Orange dog breed
SRT	L-80999	Braque Français de Grand Taille dog breed
SRT	L-809A1	Bolognese dog breed
SRT	L-809A2	Border Collie dog breed
SRT	L-809A3	Bracco Italiano dog breed
SRT	L-809A4	Cane Corso dog breed
SRT	L-809A5	Braque du Bourbonnais dog breed
SRT	L-809A6	Braque Francais de Petite Taille dog breed
SRT	L-809A7	Braque Saint-Germain dog breed
SRT	L-809A8	Briquet Basset Griffon Vendeen dog breed
SRT	L-809A9	Black Mouth Cur dog breed

SRT	L-809AA	Braque d'Auvergne dog breed
SRT	L-809AB	Schapendoes dog breed
SRT	L-809AC	Sarplaninac dog breed
SRT	L-809AD	Russo-Laika dog breed
SRT	L-809AE	Bosnian Hound dog breed
SRT	L-809AF	Rat Terrier dog breed
SRT	L-809B1	Pumi dog breed
SRT	L-809B2	Presa Canario dog breed
SRT	L-809B3	Portuguese Pointer dog breed
SRT	L-809B4	Porcelaine dog breed
SRT	L-809B5	Shropshire Terrier dog breed
SRT	L-809B6	Boykin Spaniel dog breed
SRT	L-809B7	Southern Blackmouth Cur dog breed
SRT	L-809B8	South Russian Ovcharka dog breed
SRT	L-809B9	Small Spanish Hound dog breed
SRT	L-809BA	Small Münsterländer dog breed
SRT	L-809BB	Slovak Cuvak dog breed
SRT	L-809BC	Shiloh Shepherd dog breed
SRT	L-809BD	Shiba Inu dog breed
SRT	L-809BE	Welsh Sheepdog breed
SRT	L-809BF	Shar-pei dog breed
SRT	L-809C1	Sloughi dog breed
SRT	L-809C2	Owczarek Podhalandski dog breed
SRT	L-809C3	Norbottenspets dog breed
SRT	L-809C4	Norwegian Dunkerhound dog breed
SRT	L-809C5	Old Danish Bird Dog breed
SRT	L-809C6	Old Format Dachsund dog breed
SRT	L-809C7	Old Format Manchester Terrier dog breed
SRT	L-809C8	Old Format Min/Toy Poodle dog breed
SRT	L-809C9	Old Format Welsh Corgi dog breed
SRT	L-809CA	Neopolitan Mastiff dog breed
SRT	L-809CB	Perdiguero de Burgos dog breed
SRT	L-809CC	Perdiguero Navarro dog breed
SRT	L-809CD	Peruvian Inca Orchid dog breed
SRT	L-809CE	Petit Bleu de Gascogne dog breed
SRT	L-809CF	Petit Gascon-Saintongeois dog breed
SRT	L-809D1	Petit Griffon Bleu de Gascogne dog breed
SRT	L-809D2	Olde English Bulldogge dog breed
SRT	L-809D3	Löwchen dog breed
SRT	L-809D4	Polski Owczarek Nizinny dog breed
SRT	L-809D5	Polish Hound dog breed

SRT	L-809D6	Poitevin dog breed
SRT	L-809D7	Spanish Pointer dog breed
SRT	L-809D8	Kyi-Leo dog breed
SRT	L-809D9	Large Spanish Hound dog breed
SRT	L-809DA	Lundehund dog breed
SRT	L-809DB	Lurcher Hound dog breed
SRT	L-809DC	Maremma Sheepdogs dog breed
SRT	L-809DD	McNab dog breed
SRT	L-809DE	Miniature Bull Terrier dog breed
SRT	L-809E1	Mudi dog breed
SRT	L-809E2	Munster Lander Pointer dog breed
SRT	L-809E3	Loenberger dog breed
SRT	L-809E4	Chi Terrier dog breed
SRT	L-809E5	Krasky Ovcar dog breed
SRT	L-809E6	Kromfohrländer dog breed
SRT	L-809E7	Havanese dog breed
SRT	L-809E8	American lamalese dog breed
SRT	L-809E9	Perro de Pressa Canario dog breed
SRT	L-809EA	Norwegian Lundehund dog breed
SRT	L-809EB	North American Shepherd dog breed
SRT	L-809EC	Kyi Apso dog breed
SRT	L-809ED	Swedish Lapphund dog breed
SRT	L-809EE	Treeing Tennessee Brindle dog breed
SRT	L-809EF	Telomain dog breed
SRT	L-809F1	Swedish Vallhund dog breed
SRT	L-809F2	Stumpy Tail Cattle Dog breed
SRT	L-809F3	Stabyhoun dog breed
SRT	L-809F4	Spinone Italiano dog breed
SRT	L-809F5	Spanish Mastiff dog breed
SRT	L-809F6	Berger Shetland dog breed
SRT	L-809F7	Thai Ridgeback dog breed
SRT	L-809F8	Swiss Mountain Dog breed
SRT	L-809F9	Tibetan Mastiff dog breed
SRT	L-809FA	Glen of Imaal Terrier dog breed
SRT	L-809FB	Tosa Inu dog breed
SRT	L-809FC	Toy Havanese Terrier dog breed
SRT	L-809FD	Treeing Cur dog breed
SRT	L-809FE	Treeing Feist dog breed
SRT	L-809FF	Greater Swiss Mountain Hound dog breed
SRT	L-80A70	Harlequin cat breed
SRT	L-80A71	Manxamese cat breed

SRT	L-80A73	Maltese cat breed
SRT	L-80A75	Ragdoll cat breed
SRT	L-80A76	Turkish van cat breed
SRT	L-80A77	British Blue cat breed
SRT	L-80A78	American Bobtail Shorthair cat breed
SRT	L-80A79	American Bobtail Longhair cat breed
SRT	L-80A80	American Curl cat breed
SRT	L-80A81	Australian Mist cat breed
SRT	L-80A83	Bengal cat breed
SRT	L-80A84	Brazilian Shorthair cat breed
SRT	L-80A85	California Spangled cat breed
SRT	L-80A86	Chantilly/Tiffany cat breed
SRT	L-80A87	Shorthair cat breed
SRT	L-80A88	German Rex cat breed
SRT	L-80A89	LaPerm Shorthair cat breed
SRT	L-80A90	LaPerm Longhair cat breed
SRT	L-80A91	Munchkin Shorthair cat breed
SRT	L-80A92	Munchkin Longhair cat breed
SRT	L-80A93	Nebelung cat breed
SRT	L-80A94	Norwegian Forest cat breed
SRT	L-80A95	Oriental Longhair cat breed
SRT	L-80A96	Pixiebob cat breed
SRT	L-80A97	Ragamuffin cat breed
SRT	L-80A99	Selkirk Rex cat breed
SRT	L-80AA1	Siberian cat breed
SRT	L-80AA2	Snowshoe cat breed
SRT	L-80AA3	Sokoke cat breed
SRT	L-80AA4	Sphynx cat breed
SRT	L-80B01	Bergamasca sheep breed
SRT	L-80B02	Portland sheep breed
SRT	L-80B03	Rideau Arcott sheep breed
SRT	L-80B04	Weisse Hornlose Heidschnucke sheep breed
SRT	L-80B05	Drents Heideschaap sheep breed
SRT	L-80B06	Kameroen sheep breed
SRT	L-80B07	Mergelland sheep breed
SRT	L-80B08	Ouessant sheep breed
SRT	L-80B09	Canadian Arcott sheep breed
SRT	L-80B10	Noordhollander sheep breed
SRT	L-80B17	Rijnlam-A sheep breed
SRT	L-80B18	Schoonebeker sheep breed
SRT	L-80B19	Wallis Blacknosed Sheep breed

SRT	L-80B22	Newfoundland sheep breed
SRT	L-80B23	Wallis Country Sheep breed
SRT	L-80B24	Rideau Arcott sheep breed
SRT	L-80B25	Tukidale sheep breed
SRT	L-80B26	Polwarth sheep breed
SRT	L-80B27	Ryeland sheep breed
SRT	L-80B2A	Thalli sheep breed
SRT	L-80B2B	Tong sheep breed
SRT	L-80B2C	Touabire sheep breed
SRT	L-80B2D	Tunis sheep breed
SRT	L-80B2E	Tyrol Mountain sheep breed
SRT	L-80B2F	Uda sheep breed
SRT	L-80B33	German Mutton Merino sheep breed
SRT	L-80B34	Medium-Wool Merino sheep breed
SRT	L-80B35	Fonthill Merino sheep breed
SRT	L-80B36	South African Mutton Merino sheep breed
SRT	L-80B37	Strong Wool Merino sheep breed
SRT	L-80B38	Poll Merino sheep breed
SRT	L-80B39	Fine Merino sheep breed
SRT	L-80B3A	South African Merino sheep breed
SRT	L-80B40	Superfine Merino sheep breed
SRT	L-80B47	Baden Wurttemburg horse breed
SRT	L-80B48	British Warmblood horse breed
SRT	L-80B49	Israeli horse breed
SRT	L-80B4A	French Ardennais horse breed
SRT	L-80B4B	Booroola Merino sheep breed
SRT	L-80B50	Cukurova horse breed
SRT	L-80B51	Czech Coldblood horse breed
SRT	L-80B52	Czechoslovakian Small Riding Horse horse breed
SRT	L-80B53	Jianchang horse breed
SRT	L-80B54	Jielin horse breed
SRT	L-80B55	Wielkopolski horse breed
SRT	L-80B56	Eleia horse breed
SRT	L-80B57	English Cob horse breed
SRT	L-80B58	Welsh Pony horse breed
SRT	L-80B59	Welsh Pony of Cob Type horse breed
SRT	L-80B5A	English Hunter horse breed
SRT	L-80B5B	Eriskay Pony horse breed
SRT	L-80B5C	Hackney Pony horse breed
SRT	L-80B5D	Estonian Draft horse breed

SRT	L-80B5E	Heihe horse breed
SRT	L-80B5F	Heilongkaing horse breed
SRT	L-80B65	Danish Sport Pony horse breed
SRT	L-80B66	Kabarda horse breed
SRT	L-80B67	Kalmyk horse breed
SRT	L-80B68	Mangalarga Marchador horse breed
SRT	L-80B69	Don horse breed
SRT	L-80B6A	Manipuri horse breed
SRT	L-80B6B	Swiss Warmblood horse breed
SRT	L-80B6C	Tavda horse breed
SRT	L-80B6D	East Bulgarian horse breed
SRT	L-80B6E	East Friesian (Old Type) horse breed
SRT	L-80B6F	East Friesian Warmblood (Modern Type) horse breed
SRT	L-80B70	Kakhetian pig breed
SRT	L-80B71	West French White pig breed
SRT	L-80B80	Miniature Hereford cattle breed
SRT	L-80B81	Jem-Jem Zebu cattle breed
SRT	L-80B82	Minusin horse breed
SRT	L-80B83	Morochuco horse breed
SRT	L-80B84	French Trotter horse breed
SRT	L-80B85	Furioso horse breed
SRT	L-80B86	Murghese horse breed
SRT	L-80B87	Mytilene horse breed
SRT	L-80B88	Namib Desert Horse horse breed
SRT	L-80B89	Danish Oldenborg horse breed
SRT	L-80B8A	Volynsk cattle breed
SRT	L-80B8B	Senepol cattle breed
SRT	L-80B8C	Shilluk cattle breed
SRT	L-80B8D	Sar Planina sheep breed
SRT	L-80B8E	Santa Inês sheep breed
SRT	L-80B8F	Sahel-type sheep breed
SRT	L-80B90	Rygja sheep breed
SRT	L-80B91	Rya sheep breed
SRT	L-80B92	Moghani sheep breed
SRT	L-80B93	Rouge de l'Quest sheep breed
SRT	L-80B94	Soay sheep breed
SRT	L-80B95	South Suffolk sheep breed
SRT	L-80B96	South Wales Mountain sheep breed
SRT	L-80B97	Spælsau sheep breed
SRT	L-80B98	Spiegel sheep breed

SRT	L-80B99	St. Croix sheep breed
SRT	L-80B9A	Steigar sheep breed
SRT	L-80B9B	Steinschaf sheep breed
SRT	L-80B9C	Welsh Mountain sheep breed
SRT	L-80B9D	Swedish Fur Sheep breed
SRT	L-80B9E	Teeswater sheep breed
SRT	L-80B9F	Texel sheep breed
SRT	L-80BA1	Pelibüey sheep breed
SRT	L-80BA2	Morada Nova sheep breed
SRT	L-80BA3	Balkhi sheep breed
SRT	L-80BA4	Bavarian Forest sheep breed
SRT	L-80BA5	Barbados Blackbelly sheep breed
SRT	L-80BA6	Romney sheep breed
SRT	L-80BA7	Awassi sheep breed
SRT	L-80BA8	Arapawa Island sheep breed
SRT	L-80BA9	Arabi sheep breed
SRT	L-80BB1	Apennine sheep breed
SRT	L-80BB2	American Tunis sheep breed
SRT	L-80BB3	Balwen Welsh Mountain sheep breed
SRT	L-80BB4	Priangan sheep breed
SRT	L-80BB5	Rabo Largo sheep breed
SRT	L-80BE6	Muban pig breed
SRT	L-80BE7	Iban pig breed
SRT	L-80BE8	Altay sheep breed
SRT	L-80BE9	Faeroes sheep breed
SRT	L-80BF6	Pitt Island sheep breed
SRT	L-80BF8	Pinzirita sheep breed
SRT	L-80BF9	Sardinian sheep breed
SRT	L-80C01	East Friesian sheep breed
SRT	L-80C02	Ujumqin sheep breed
SRT	L-80C22	DLS sheep breed
SRT	L-80C23	Walachenschaf sheep breed
SRT	L-80C24	Outaouais Arcott sheep breed
SRT	L-80C25	Ossimi sheep breed
SRT	L-80C29	Bentheimer Landschaf sheep breed
SRT	L-80C30	Barbado sheep breed
SRT	L-80C31	Baluchi sheep breed
SRT	L-86B36	Blanc de Bouscat rabbit breed
SRT	L-8A111	American Indian Horse horse breed
SRT	L-8A112	American Mustang horse breed
SRT	L-8A113	American Quarter Horse horse breed

SRT	L-8A115	American Shetland pony horse breed
SRT	L-8A116	Anadolu horse breed
SRT	L-8A117	Andean horse breed
SRT	L-8A118	Anglo-Kabarda horse breed
SRT	L-8A125	Narym horse breed
SRT	L-8A126	National Spotted Saddle Horse horse breed
SRT	L-8A127	Nigerian horse breed
SRT	L-8A128	North Swedish Trotter horse breed
SRT	L-8A129	Oriental Horse horse breed
SRT	L-8A12A	Rhineland Heavy Draft horse breed
SRT	L-8A12B	Romanian Saddle Horse horse breed
SRT	L-8A12C	Rottal horse breed
SRT	L-8A12D	Royal Canadian Mounted Police Horse horse breed
SRT	L-8A12E	Russian Saddle Horse horse breed
SRT	L-8A12F	Sable Island Horse horse breed
SRT	L-8A130	Panje horse breed
SRT	L-8A131	Patibarcina horse breed
SRT	L-8A132	Pechora horse breed
SRT	L-8A133	Peneia horse breed
SRT	L-8A134	Periangan horse breed
SRT	L-8A135	Persian Arab horse breed
SRT	L-8A136	Petiso Argentino horse breed
SRT	L-8A137	Polish Draft horse breed
SRT	L-8A138	Priob horse breed
SRT	L-8A139	Rahvan horse breed
SRT	L-8A13A	Salerno horse breed
SRT	L-8A13B	Sandalwood horse breed
SRT	L-8A13C	Sandan horse breed
SRT	L-8A13D	Pindos horse breed
SRT	L-8A13E	Piquira Pony horse breed
SRT	L-8A13F	Pleven horse breed
SRT	L-8A14A	Garrano tarpan horse X domestic horse breed
SRT	L-8A14B	Konink tarpan horse X domestic horse breed
SRT	L-8A14C	Asturian tarpan horse X domestic horse breed
SRT	L-8A14D	Pottok tarpan horse X domestic horse breed
SRT	L-8A150	Russian Trotter horse breed
SRT	L-8A151	West African Barb horse breed
SRT	L-8A152	Fell Pony horse breed
SRT	L-8A153	National Show Horse horse breed
SRT	L-8A154	Zhemaichu horse breed

SRT	L-8A155	Yonaguni horse breed
SRT	L-8A156	Yakut horse breed
SRT	L-8A157	Tawleed horse breed
SRT	L-8A158	Western Sudan Pony horse breed
SRT	L-8A159	Welera Pony horse breed
SRT	L-8A15A	Vyatka horse breed
SRT	L-8A15B	Vladimir Heavy Draft horse breed
SRT	L-8A15C	Vlaamperd horse breed
SRT	L-8A15D	Ukrainian Saddle Horse horse breed
SRT	L-8A15E	Tori horse breed
SRT	L-8A15F	Tokara horse breed
SRT	L-8A160	New Kirgiz horse breed
SRT	L-8A161	Oldenburg horse breed
SRT	L-8A162	Misaki horse breed
SRT	L-8A163	Miyako horse breed
SRT	L-8A164	Mongolian horse breed
SRT	L-8A165	Waler horse breed
SRT	L-8A166	Dutch Draft horse breed
SRT	L-8A167	Egyptian horse breed
SRT	L-8A168	Estonian Native horse breed
SRT	L-8A169	Exmoor Pony horse breed
SRT	L-8A16A	Faeroes Island Horse horse breed
SRT	L-8A16B	Falabella horse breed
SRT	L-8A16C	Dutch Warmblood horse breed
SRT	L-8A16D	Dongola horse breed
SRT	L-8A16E	Døle horse breed
SRT	L-8A16F	Djerma horse breed
SRT	L-8A170	Deliboz horse breed
SRT	L-8A171	Dartmoor Pony horse breed
SRT	L-8A172	Crioulo horse breed
SRT	L-8A173	Finnhorse horse breed
SRT	L-8A174	Sanfratello horse breed
SRT	L-8A175	Morab horse breed
SRT	L-8A176	Moyle horse breed
SRT	L-8A177	Mustang horse breed
SRT	L-8A178	M’Bayar horse breed
SRT	L-8A179	Lusitano horse breed
SRT	L-8A17A	Newfoundland Pony horse breed
SRT	L-8A17B	Noma horse breed
SRT	L-8A17C	Nooitgedacht Pony horse breed
SRT	L-8A17D	Nordland horse breed

SRT	L-8A17E	Noric horse breed
SRT	L-8A17F	North Swedish Horse horse breed
SRT	L-8A180	Northeastern horse breed
SRT	L-8A181	Kisber Felver horse breed
SRT	L-8A182	Anglo-Arab horse breed
SRT	L-8A183	Nonius horse breed
SRT	L-8A184	Nooitgedacht horse breed
SRT	L-8A185	Iomud horse breed
SRT	L-8A186	Jutland horse breed
SRT	L-8A187	Karabair horse breed
SRT	L-8A188	Karabakh horse breed
SRT	L-8A189	Kazakh horse breed
SRT	L-8A18A	Mangalarga horse breed
SRT	L-8A18B	Kirdi Pony horse breed
SRT	L-8A18C	Kiso horse breed
SRT	L-8A18D	Kladruby horse breed
SRT	L-8A18E	Knabstrup horse breed
SRT	L-8A18F	Kushum horse breed
SRT	L-8A190	Kustanai horse breed
SRT	L-8A191	Latvian horse breed
SRT	L-8A192	Lithuanian Heavy Draft horse breed
SRT	L-8A193	Lokai horse breed
SRT	L-8A194	Kiger Mustang horse breed
SRT	L-8A195	Pony of the Americas horse breed
SRT	L-8A196	Pintabian horse breed
SRT	L-8A197	Pantaneiro horse breed
SRT	L-8A198	Orlov Trotter horse breed
SRT	L-8A199	Northern Ardennais horse breed
SRT	L-8A19A	Abtenauer horse breed
SRT	L-8A19B	Adaev horse breed
SRT	L-8A19C	Albanian horse breed
SRT	L-8A19E	Alter Real horse breed
SRT	L-8A19F	American Bashkir Curly horse breed
SRT	L-8A1A1	Poitou Mule Producer horse breed
SRT	L-8A1A2	Polesian horse breed
SRT	L-8A1A3	Sardinian Anglo-Arab horse breed
SRT	L-8A1A4	Sardinian Pony horse breed
SRT	L-8A1A5	Sarvar horse breed
SRT	L-8A1A6	Schleswig horse breed
SRT	L-8A1A7	Schwarzwalder Fuchse horse breed
SRT	L-8A1A8	Senne horse breed

SRT	L-8A1A9	Shan horse breed
SRT	L-8A1AA	Silesian horse breed
SRT	L-8A1AB	Sini horse breed
SRT	L-8A1AC	Skyros horse breed
SRT	L-8A1AD	Slovak Warmblood horse breed
SRT	L-8A1AE	Sokolka horse breed
SRT	L-8A1AF	South African Miniature horse breed
SRT	L-8A1B1	South German Coldblood horse breed
SRT	L-8A1B2	Southwest Spanish Mustang horse breed
SRT	L-8A1B4	Spanish-American Horse horse breed
SRT	L-8A1B5	Spanish Anglo-Arab horse breed
SRT	L-8A1B6	Spanish Colonial Horse horse breed
SRT	L-8A1B7	Spiti horse breed
SRT	L-8A1B8	Sulawesi horse breed
SRT	L-8A1B9	Criollo horse breed
SRT	L-8A1BA	Hequ horse breed
SRT	L-8A1BB	Connemara Pony horse breed
SRT	L-8A1BC	Colorado Ranger horse breed
SRT	L-8A1BD	Dales Pony horse breed
SRT	L-8A1BE	Gotland horse breed
SRT	L-8A1BF	Chincoteague Pony horse breed
SRT	L-8A1C1	Hokkaido horse breed
SRT	L-8A1C2	Highland Pony horse breed
SRT	L-8A1C3	Groningen horse breed
SRT	L-8A1C4	Cuban Pinto horse breed
SRT	L-8A1C5	Fleuve horse breed
SRT	L-8A1C6	Golden American Saddlebred horse breed
SRT	L-8A1C7	Gidran horse breed
SRT	L-8A1C8	Gelderland horse breed
SRT	L-8A1C9	Galician Pony horse breed
SRT	L-8A1CA	Friesian horse breed
SRT	L-8A1CB	Frederiksborg horse breed
SRT	L-8A1CC	Fouta horse breed
SRT	L-8A1CD	Florida Cracker horse breed
SRT	L-8A1CE	Guangxi horse breed
SRT	L-8A1CF	Ardennes horse breed
SRT	L-8A1D1	American Walking Pony horse breed
SRT	L-8A1D2	Azteca horse breed
SRT	L-8A1D3	American Cream Draft horse breed
SRT	L-8A1D4	Altai horse breed
SRT	L-8A1D5	Akhal-Teke horse breed

SRT	L-8A1D6	Abyssinian horse breed
SRT	L-8A1D7	Bhirum Pony horse breed
SRT	L-8A1D8	Cheju horse breed
SRT	L-8A1D9	Cayuse horse breed
SRT	L-8A1DA	Caspian horse breed
SRT	L-8A1DB	Carthusian horse breed
SRT	L-8A1DC	Campolina horse breed
SRT	L-8A1DD	Byelorussian Harness horse breed
SRT	L-8A1DE	Budyonny horse breed
SRT	L-8A1DF	Australian Brumby horse breed
SRT	L-8A1E1	Australian Stock Horse horse breed
SRT	L-8A1E2	Basuto Pony horse breed
SRT	L-8A1E3	Bashkir Curly horse breed
SRT	L-8A1E4	Bashkir horse breed
SRT	L-8A1E5	Barb horse breed
SRT	L-8A1E6	Ban-ei horse breed
SRT	L-8A1E7	Carpathian Pony horse breed
SRT	L-8A1E8	Baluchi horse breed
SRT	L-8A1E9	Balearic horse breed
SRT	L-8A1EA	Chilean Corralero horse breed
SRT	L-8A1EB	Breton horse breed
SRT	L-8A1EC	Taishuh horse breed
SRT	L-8A1ED	Swedish Warmblood horse breed
SRT	L-8A1EE	Sudan Country-Bred horse breed
SRT	L-8A1EF	Spanish-Norman horse breed
SRT	L-8A1F1	Spanish Barb horse breed
SRT	L-8A1F2	Soviet Heavy Draft horse breed
SRT	L-8A1F3	Sorraia horse breed
SRT	L-8A1F4	Somali Pony horse breed
SRT	L-8A1F5	Tersk horse breed
SRT	L-8A1F6	Shagya horse breed
SRT	L-8A1F7	Selle Francais horse breed
SRT	L-8A1F8	Sanhe horse breed
SRT	L-8A1FA	Russian Heavy Draft horse breed
SRT	L-8A1FB	Rocky Mountain Horse horse breed
SRT	L-8A1FC	Racking Horse horse breed
SRT	L-8A1FD	Quarter Pony horse breed
SRT	L-8A1FE	Quarab horse breed
SRT	L-8A1FF	Single-Footing Horse horse breed
SRT	L-8B105	Tuy Hoa Hairless pig breed
SRT	L-8B106	Hainan pig breed

SRT	L-8B107	Sino-Vietnamese pig breed
SRT	L-8B108	Bo Xu pig breed
SRT	L-8B109	Thuoc Nhieu pig breed
SRT	L-8B111	Burmese pig breed
SRT	L-8B112	Chin pig breed
SRT	L-8B113	Siamese pig breed
SRT	L-8B114	Hailum pig breed
SRT	L-8B115	Kwai pig breed
SRT	L-8B116	Raad pig breed
SRT	L-8B117	Akha pig breed
SRT	L-8B118	South China pig breed
SRT	L-8B119	South China Black pig breed
SRT	L-8B121	Balinese pig breed
SRT	L-8B122	Diani pig breed
SRT	L-8B123	Kaman pig breed
SRT	L-8B124	Ashanti Dwarf pig breed
SRT	L-8B125	Koronadal pig breed
SRT	L-8B126	Ohmini pig breed
SRT	L-8B127	Clawn pig breed
SRT	L-8B128	Inobuta (inter-species hybrid) pig breed
SRT	L-8B129	Kangaroo Island pig breed
SRT	L-8B130	Captain Cooker pig breed
SRT	L-8B131	West African pig breed
SRT	L-8B132	Nigerian pig breed
SRT	L-8B133	Bakosi pig breed
SRT	L-8B134	Windsnyer pig breed
SRT	L-8B135	Kolbroek pig breed
SRT	L-8B136	South African Landrace pig breed
SRT	L-8B137	Bulgarian White pig breed
SRT	L-8B139	Bulgarian Landrace pig breed
SRT	L-8B140	Danube White pig breed
SRT	L-8B141	Dermantsi Pied pig breed
SRT	L-8B142	Romanian Native, Stocli pig breed
SRT	L-8B143	Romanian Native, Baltaret pig breed
SRT	L-8B144	Banat White pig breed
SRT	L-8B145	Bazna pig breed
SRT	L-8B146	Dobrogea Black pig breed
SRT	L-8B147	Strei pig breed
SRT	L-8B148	Romanian Large White pig breed
SRT	L-8B149	Romanian Meat Pig pig breed
SRT	L-8B150	Gurktal pig breed

SRT	L-8B151	Black Slavonian pig breed
SRT	L-8B152	Resava pig breed
SRT	L-8B153	Morava pig breed
SRT	L-8B155	Dzumalia pig breed
SRT	L-8B156	Macedonian pig breed
SRT	L-8B157	Albanian Native pig breed
SRT	L-8B158	Shkodra pig breed
SRT	L-8B159	Slovenian White pig breed
SRT	L-8B160	Subotica White pig breed
SRT	L-8B161	Prestice pig breed
SRT	L-8B162	Slovakian Black Pied pig breed
SRT	L-8B163	Czech Improved White pig breed
SRT	L-8B164	Moravian Large Yorkshire pig breed
SRT	L-8B165	Slovakian White pig breed
SRT	L-8B166	Slovhyb-1 pig breed
SRT	L-8B167	Nitra Hybrid pig breed
SRT	L-8B168	Synthetic SL98 pig breed
SRT	L-8B169	SL96 pig breed
SRT	L-8B170	Czech Meat pig breed
SRT	L-8B171	Czech Miniature pig breed
SRT	L-8B172	Small Polish Prick-Eared pig breed
SRT	L-8B173	Polesian pig breed
SRT	L-8B174	Nadbuzanska pig breed
SRT	L-8B175	Sarny pig breed
SRT	L-8B176	Krolevets pig breed
SRT	L-8B177	Polish Marsh pig breed
SRT	L-8B178	Large Polish Long-Eared pig breed
SRT	L-8B958	Herens cattle breed
SRT	L-8B959	Hinterwald cattle breed
SRT	L-8B95A	Hungarian Gray cattle breed
SRT	L-8B95B	Icelandic cattle breed
SRT	L-8B95C	Illawarra cattle breed
SRT	L-8B95D	Irish Moiled cattle breed
SRT	L-8B95E	Israeli Holstein cattle breed
SRT	L-8B95F	Istoben cattle breed
SRT	L-8B961	Jaulan cattle breed
SRT	L-8B962	Kazakh cattle breed
SRT	L-8B963	Kerry cattle breed
SRT	L-8B964	Kholmogory cattle breed
SRT	L-8B966	Latvian Brown cattle breed
SRT	L-8B967	Lincoln Red Shorthorn cattle breed

SRT	L-8B968	Lithuanian Red cattle breed
SRT	L-8B969	Mashona cattle breed
SRT	L-8B96A	Milking Devon cattle breed
SRT	L-8B96B	Mirandesa cattle breed
SRT	L-8B96C	Mixed dairy cattle breed
SRT	L-8B96D	Mongolian cattle breed
SRT	L-8B96E	Morucha cattle breed
SRT	L-8B96F	Kurdi cattle breed
SRT	L-8B971	N'dama cattle breed
SRT	L-8B972	Norwegian Red cattle breed
SRT	L-8B973	Parthenais cattle breed
SRT	L-8B974	Polish Red cattle breed
SRT	L-8B975	Rätien Gray cattle breed
SRT	L-8B976	Red and White cattle breed
SRT	L-8B977	Red Angus cattle breed
SRT	L-8B978	Red Polled Østland cattle breed
SRT	L-8B979	Red Steppe cattle breed
SRT	L-8B97A	Reggiana cattle breed
SRT	L-8B97B	Retinta cattle breed
SRT	L-8B97C	Romosinuano cattle breed
SRT	L-8B97D	Russian Black Pied cattle breed
SRT	L-8B97E	RX3 cattle breed
SRT	L-8B97F	Salorn cattle breed
SRT	L-8B983	Murboden cattle breed
SRT	L-8B984	San Martinero cattle breed
SRT	L-8B985	Sarabi cattle breed
SRT	L-8B987	Sharabi cattle breed
SRT	L-8B988	Shetland cattle breed
SRT	L-8B989	Simbrah cattle breed
SRT	L-8B98A	South Devon cattle breed
SRT	L-8B98B	Suffolk cattle breed
SRT	L-8B98C	Sussex cattle breed
SRT	L-8B98D	Swedish Red Polled cattle breed
SRT	L-8B98E	Telemark cattle breed
SRT	L-8B98F	Texas Longhorn cattle breed
SRT	L-8B990	Texon cattle breed
SRT	L-8B991	Vestland Fjord cattle breed
SRT	L-8B992	Vestland Red Polled cattle breed
SRT	L-8B993	Wagyu cattle breed
SRT	L-8B994	White Cáceres cattle breed
SRT	L-8B995	Xinjiang Brown cattle breed

SRT	L-8B996	Yanbian cattle breed
SRT	L-8B998	Zaobei cattle breed
SRT	L-8B999	Zavot cattle breed
SRT	L-8B99A	Znamensk cattle breed
SRT	L-8B99B	Alistana-Sanabresa cattle breed
SRT	L-8B99C	Andalusian Blond cattle breed
SRT	L-8B99D	Aosta Black Pied cattle breed
SRT	L-8B99E	Aosta Chestnut cattle breed
SRT	L-8B99F	Aosta Red Pied cattle breed
SRT	L-8B9A0	Aracena cattle breed
SRT	L-8B9A1	Argentine Friesian cattle breed
SRT	L-8B9A2	Armorican cattle breed
SRT	L-8B9A3	Arouquesa cattle breed
SRT	L-8B9A4	Aure et Saint-Girons cattle breed
SRT	L-8B9A5	Australian White cattle breed
SRT	L-8B9A6	Austrian Simmental cattle breed
SRT	L-8B9A7	Austrian Yellow cattle breed
SRT	L-8B9A8	Avetonou cattle breed
SRT	L-8B9A9	Avilena cattle breed
SRT	L-8B9AA	Avilena-Black Iberian cattle breed
SRT	L-8B9AB	Bakosi cattle breed
SRT	L-8B9AC	Bakwiri cattle breed
SRT	L-8B9AD	Baltic Black Pied cattle breed
SRT	L-8B9AE	Baoule cattle breed
SRT	L-8B9AF	Barrosa cattle breed
SRT	L-8B9B0	Barroso cattle breed
SRT	L-8B9B1	Bearnais cattle breed
SRT	L-8B9B2	Beef shorthorn cattle breed
SRT	L-8B9B3	Beef syntheticcattle breed
SRT	L-8B9B4	Beijing Black Pied cattle breed
SRT	L-8B9B5	Beiroa cattle breed
SRT	L-8B9B6	Belgian Black Pied Holsteincattle breed
SRT	L-8B9B7	Belgian Red Pied cattle breed
SRT	L-8B9B8	Belgian White and Red cattle breed
SRT	L-8B9B9	Belted Welsh cattle breed
SRT	L-8B9BA	Bestuzhev cattle breed
SRT	L-8B9BB	Betizuak cattle breed
SRT	L-8B9BC	Black Baldy cattle breed
SRT	L-8B9BD	Black Forrest cattle breed
SRT	L-8B9BE	Black Iberian cattle breed
SRT	L-8B9BF	Northern Blue cattle breed

SRT	L-8B9C0	Bragado do Sorraia cattle breed
SRT	L-8B9C1	Braganca cattle breed
SRT	L-8B9C2	Brandrood Ijsselvee cattle breed
SRT	L-8B9C3	Brazilian Polled cattle breed
SRT	L-8B9C4	Breton Black Pied cattle breed
SRT	L-8B9C5	Brown Atlas cattle breed
SRT	L-8B9C6	Bulgarian Brown cattle breed
SRT	L-8B9C7	Bulgarian Red cattle breed
SRT	L-8B9C8	Burlina cattle breed
SRT	L-8B9C9	Burwash cattle breed
SRT	L-8B9CA	Byelorussian Red cattle breed
SRT	L-8B9CB	Byelorussian Synthetic cattle breed
SRT	L-8B9CC	Cabannina cattle breed
SRT	L-8B9CD	Caldeano cattle breed
SRT	L-8B9CE	Caldelana cattle breed
SRT	L-8B9CF	Calvana cattle breed
SRT	L-8B9D0	Camargue cattle breed
SRT	L-8B9D1	Cambodian cattle breed
SRT	L-8B9D2	Caracu cattle breed
SRT	L-8B9D3	Carpathian Brown cattle breed
SRT	L-8B9D4	Casanareno cattle breed
SRT	L-8B9D5	Central Russian Black Pied cattle breed
SRT	L-8B9D6	Chaouia cattle breed
SRT	L-8B9D7	Charollandais cattle breed
SRT	L-8B9D8	Char-swiss cattle breed
SRT	L-8B9D9	Korean Black cattle breed
SRT	L-8B9DA	Chesi cattle breed
SRT	L-8B9DB	Cheurfa cattle breed
SRT	L-8B9DC	Chiford cattle breed
SRT	L-8B9DD	Chimaine cattle breed
SRT	L-8B9DE	Chinampo cattle breed
SRT	L-8B9DF	Cildir cattle breed
SRT	L-8B9E0	COOPELSO 93 cattle breed
SRT	L-8B9E1	Thrace cattle breed
SRT	L-8B9E2	Corsican cattle breed
SRT	L-8B9E3	Cretan Lowland cattle breed
SRT	L-8B9E4	Cretan Mountain cattle breed
SRT	L-8B9E5	Croatian Red cattle breed
SRT	L-8B9E6	Cukurova cattle breed
SRT	L-8B9E7	Curraleiro cattle breed
SRT	L-8B9E8	Cyprus cattle breed

SRT	L-8B9E9	Czech Pied cattle breed
SRT	L-8B9EA	Dagestan Mountain cattle breed
SRT	L-8B9EB	Dairy Shorthorn cattle breed
SRT	L-8B9EC	Dairy Synthetic cattle breed
SRT	L-8B9ED	Danish Red Pied cattle breed
SRT	L-8B9EE	Dengchuan cattle breed
SRT	L-8B9EF	Dexter-Kerry cattle breed
SRT	L-8B9F0	Doran cattle breed
SRT	L-8B9F1	Dorna cattle breed
SRT	L-8B9F2	Dortyol cattle breed
SRT	L-8B9F3	East Anatolian Red cattle breed
SRT	L-8B9F4	East Finnish cattle breed
SRT	L-8B9F5	East Macedonian cattle breed
SRT	L-8B9F6	Epirus cattle breed
SRT	L-8B9F7	Estonian Black Pied cattle breed
SRT	L-8B9FA	Ferrandais cattle breed
SRT	L-8B9FB	Finnish Ayrshire cattle breed
SRT	L-8B9FC	Flemish cattle breed
SRT	L-8B9FD	Red Flemish cattle breed
SRT	L-8B9FE	Fort Cross cattle breed
SRT	L-8B9FF	Frati cattle breed
SRT	L-8BA00	Estonian Native cattle breed
SRT	L-8BA01	Faeroes cattle breed
SRT	L-8BA02	French Brown cattle breed
SRT	L-8BA03	Frijolillo cattle breed
SRT	L-8BA04	FRS cattle breed
SRT	L-8BA05	Gacko cattle breed
SRT	L-8BA06	Gado da Terra cattle breed
SRT	L-8BA07	Georgian Mountain cattle breed
SRT	L-8BA08	German Black Pied cattle breed
SRT	L-8BA09	German Black Pied Dairy cattle breed
SRT	L-8BA0A	Pechora cattle breed
SRT	L-8BA0B	Pee Wee cattle breed
SRT	L-8BA0C	Peloponnesus cattle breed
SRT	L-8BA0D	Pester cattle breed
SRT	L-8BA0E	Pie Rouge de l’Est cattle breed
SRT	L-8BA0F	Pisana cattle breed
SRT	L-8BA10	German Brown cattle breed
SRT	L-8BA11	German Shorthorn cattle breed
SRT	L-8BA12	Ghana Shorthorn cattle breed
SRT	L-8BA13	Glan-Donnersberg cattle breed

SRT	L-8BA14	Gole cattle breed
SRT	L-8BA15	Golpayegani cattle breed
SRT	L-8BA16	Gorbatov Red cattle breed
SRT	L-8BA17	Goryn cattle breed
SRT	L-8BA19	Greater Caucasus cattle breed
SRT	L-8BA1A	Polish Black and White Lowland cattle breed
SRT	L-8BA1B	Polish Simmental cattle breed
SRT	L-8BA1C	Polled Jersey cattle breed
SRT	L-8BA1D	Polled Lincoln Red cattle breed
SRT	L-8BA1E	Polled Shorthorn (US) cattle breed
SRT	L-8BA1F	Polled Simmental cattle breed
SRT	L-8BA20	Greek Shorthorn cattle breed
SRT	L-8BA21	Greek Steppe cattle breed
SRT	L-8BA22	Gray Alpine cattle breed
SRT	L-8BA23	Guadiana Spotted cattle breed
SRT	L-8BA24	Guelma cattle breed
SRT	L-8BA25	Harz Red cattle breed
SRT	L-8BA26	Hawaiian wild cattle breed
SRT	L-8BA27	Hereland cattle breed
SRT	L-8BA28	Holgus cattle breed
SRT	L-8BA29	Hrbinecky cattle breed
SRT	L-8BA2A	Polled Sussex cattle breed
SRT	L-8BA2B	Polled Welsh Black cattle breed
SRT	L-8BA2C	Pontremolese cattle breed
SRT	L-8BA2D	Preta cattle breed
SRT	L-8BA2E	Puerto Rican Criollo cattle breed
SRT	L-8BA2F	Pyrenean cattle breed
SRT	L-8BA30	Huertana cattle breed
SRT	L-8BA31	Hungarian Pied cattle breed
SRT	L-8BA32	Hungarofries cattle breed
SRT	L-8BA33	Improved Rodopi cattle breed
SRT	L-8BA34	INRA 95 cattle breed
SRT	L-8BA35	Italian Brown cattle breed
SRT	L-8BA36	Italian Red Pied cattle breed
SRT	L-8BA37	Japanese Black cattle breed
SRT	L-8BA38	Japanese Brown cattle breed
SRT	L-8BA39	Japanese Poll cattle breed
SRT	L-8BA3A	Qinchuan cattle breed
SRT	L-8BA3B	Ramo Grande cattle breed
SRT	L-8BA3C	Randall Lineback cattle breed
SRT	L-8BA3D	Red Galloway cattle breed

SRT	L-8BA3E	Regus cattle breed
SRT	L-8BA3F	Rendena cattle breed
SRT	L-8BA40	Japanese Shorthorn cattle breed
SRT	L-8BA41	Jarmelista cattle breed
SRT	L-8BA42	Kabyle cattle breed
SRT	L-8BA43	Kapsiki cattle breed
SRT	L-8BA44	Katerini cattle breed
SRT	L-8BA45	Kenran cattle breed
SRT	L-8BA46	Khevsurian cattle breed
SRT	L-8BA47	Kilis cattle breed
SRT	L-8BA48	Kochi cattle breed
SRT	L-8BA49	Korean Native cattle breed
SRT	L-8BA4A	Rhaetian Gray cattle breed
SRT	L-8BA4B	Rio Limon Dairy Criollo cattle breed
SRT	L-8BA4C	Rodopi cattle breed
SRT	L-8BA4D	Romanian Red cattle breed
SRT	L-8BA4E	Romanian Brown cattle breed
SRT	L-8BA4F	Russian Brown cattle breed
SRT	L-8BA50	Kostroma cattle breed
SRT	L-8BA51	Kravarsky cattle breed
SRT	L-8BA52	Kuchinoshima cattle breed
SRT	L-8BA53	Murray Gray cattle breed
SRT	L-8BA54	Australian Shorthorn cattle breed
SRT	L-8BA55	Kumamoto cattle breed
SRT	L-8BA56	Lagune cattle breed
SRT	L-8BA57	Lakenvelder cattle breed
SRT	L-8BA58	Latvian Blue Roan cattle breed
SRT	L-8BA59	La Velasquez cattle breed
SRT	L-8BA5A	Sardinian cattle breed
SRT	L-8BA5B	Sardinian brown cattle breed
SRT	L-8BA5C	Savinja Gray cattle breed
SRT	L-8BA5D	Sayaguesa cattle breed
SRT	L-8BA5E	Seferihisar cattle breed
SRT	L-8BA5F	Shkodra Red cattle breed
SRT	L-8BA60	Lebanese cattle breed
SRT	L-8BA61	Lebedin cattle breed
SRT	L-8BA62	Lesser Caucasus cattle breed
SRT	L-8BA63	Liberian Dwarf cattle breed
SRT	L-8BA64	Libyan cattle breed
SRT	L-8BA65	Lim cattle breed
SRT	L-8BA66	Limiana cattle breed

SRT	L-8BA67	Limpurger cattle breed
SRT	L-8BA68	Lobi cattle breed
SRT	L-8BA69	Lourdais cattle breed
SRT	L-8BA6A	Slovakian Pied cattle breed
SRT	L-8BA6B	Slovakian Pinzgau cattle breed
SRT	L-8BA6C	Slovenian Brown cattle breed
SRT	L-8BA6D	Somba cattle breed
SRT	L-8BA6E	South African Brown Swiss cattle breed
SRT	L-8BA6F	South Anatolian Red cattle breed
SRT	L-8BA70	Lucerna cattle breed
SRT	L-8BA71	Luxi cattle breed
SRT	L-8BA72	Macedonian Busa cattle breed
SRT	L-8BA73	Makaweli cattle breed
SRT	L-8BA74	Marinhoa cattle breed
SRT	L-8BA75	Maronesa cattle breed
SRT	L-8BA76	Mazury cattle breed
SRT	L-8BA77	Messaoria cattle breed
SRT	L-8BA78	Metohija Red cattle breed
SRT	L-8BA79	Mingrelian Red cattle breed
SRT	L-8BA7A	Southern Ukranian cattle breed
SRT	L-8BA7B	Spanish Brown Alpine cattle breed
SRT	L-8BA7C	Suksun cattle breed
SRT	L-8BA7D	Swiss Black Pied cattle breed
SRT	L-8BA7E	Sychevka cattle breed
SRT	L-8BA7F	Sykia cattle breed
SRT	L-8BA80	Minhota cattle breed
SRT	L-8BA81	Minorcan cattle breed
SRT	L-8BA82	Mishima cattle breed
SRT	L-8BA83	Modenese cattle breed
SRT	L-8BA84	Monchina cattle breed
SRT	L-8BA85	Montafon cattle breed
SRT	L-8BA86	Montbeliard cattle breed
SRT	L-8BA87	Morenas del Noroeste cattle breed
SRT	L-8BA88	Murcian cattle breed
SRT	L-8BA89	Murnau-Werdenfels cattle breed
SRT	L-8BA8A	Tagil cattle breed
SRT	L-8BA8B	Tajma cattle breed
SRT	L-8BA8C	Tambov Red cattle breed
SRT	L-8BA8D	Tarina cattle breed
SRT	L-8BA8E	Thessaly cattle breed
SRT	L-8BA8F	Tinima cattle breed

SRT	L-8BA90	Nantais cattle breed
SRT	L-8BA91	Nejdi cattle breed
SRT	L-8BA92	N'Gabou cattle breed
SRT	L-8BA93	North Finncattle cattle breed
SRT	L-8BA94	Oropa cattle breed
SRT	L-8BA95	Oulmes Blond cattle breed
SRT	L-8BA96	Pajuna cattle breed
SRT	L-8BA97	Palmera cattle breed
SRT	L-8BA98	Pankota Red cattle breed
SRT	L-8BA99	Paphos cattle breed
SRT	L-8BA9A	Tinos cattle breed
SRT	L-8BA9B	Transylvanian Pinzgua cattle breed
SRT	L-8BA9C	Tropical Dairy Cattle cattle breed
SRT	L-8BA9D	Tropicana cattle breed
SRT	L-8BA9E	Tudanca cattle breed
SRT	L-8BA9F	Turino cattle breed
SRT	L-8BAA0	Turkish Brown cattle breed
SRT	L-8BAA1	Tux-Zillertal cattle breed
SRT	L-8BAA2	Tyrol Gray cattle breed
SRT	L-8BAA3	Abondance cattle breed
SRT	L-8BAA4	Ala-Tau cattle breed
SRT	L-8BAA5	Albanian Illyrian cattle breed
SRT	L-8BAA6	Albanian Dwarf cattle breed
SRT	L-8BAA7	Ukrainian Whiteheaded cattle breed
SRT	L-8BAA8	Ural Black Pied cattle breed
SRT	L-8BAA9	Valdres cattle breed
SRT	L-8BAAA	Vaynol cattle breed
SRT	L-8BAAB	Verinesa cattle breed
SRT	L-8BAAC	Vianesa cattle breed
SRT	L-8BAAD	Villard-de-Lans cattle breed
SRT	L-8BAAE	Vogelsberg cattle breed
SRT	L-8BAAF	Pie Rouge des Plaines cattle breed
SRT	L-8BAB0	Vorderwald cattle breed
SRT	L-8BAB1	West African Dwarf Shorthorn cattle breed
SRT	L-8BAB2	West Finnish cattle breed
SRT	L-8BAB3	West Macedonian cattle breed
SRT	L-8BAB4	Whitebred Shorthorn cattle breed
SRT	L-8BAB5	White Galloway cattle breed
SRT	L-8BAB6	White Welsh cattle breed
SRT	L-8BAB7	Witrik cattle breed
SRT	L-8BAB8	Yacumento cattle breed

SRT	L-8BAB9	Yaroslavl cattle breed
SRT	L-8BABA	Yurino cattle breed
SRT	L-8BABB	Aleppo cattle breed
SRT	L-8BABC	Schwyz cattle breed
SRT	L-8BABD	Busa cattle breed
SRT	L-8BABE	Chiangus cattle breed
SRT	L-8BABF	Hallingdal cattle breed
SRT	L-8BAC0	Danish Jersey cattle breed
SRT	L-8BAC1	Enderby Island cattle breed
SRT	L-8BAC2	German Angus cattle breed
SRT	L-8BAC3	Israeli Red cattle breed
SRT	L-8BAC4	Lineback cattle breed
SRT	L-8BAC5	Mertolenga cattle breed
SRT	L-8BAC6	Red Friesian cattle breed
SRT	L-8BAC7	Senegus cattle breed
SRT	L-8BAC8	Southern Crioulo cattle breed
SRT	L-8BAC9	Vosges cattle breed
SRT	L-8BACA	Montanara cattle breed
SRT	L-8BACB	Almanzorena cattle breed
SRT	L-8BACC	Lorquina cattle breed
SRT	L-8BACD	Calasparrena cattle breed
SRT	L-8BACE	Amrit Mahal zebu cattle breed
SRT	L-8BACF	Bachaur cattle breed
SRT	L-8BAD0	Barka zebu cattle breed
SRT	L-8BAD1	Bengali cattle breed
SRT	L-8BAD2	Bhagnari cattle breed
SRT	L-8BAD3	Boran cattle breed
SRT	L-8BAD4	Channi cattle breed
SRT	L-8BAD5	Cholistani cattle breed
SRT	L-8BAD6	Dajal cattle breed
SRT	L-8BAD7	Dangi cattle breed
SRT	L-8BAD8	Deoni cattle breed
SRT	L-8BAD9	Dhanni cattle breed
SRT	L-8BADA	Gaolao cattle breed
SRT	L-8BADB	Hallikar cattle breed
SRT	L-8BADC	Hariana cattle breed
SRT	L-8BADD	Indo-Brazilian cattle breed
SRT	L-8BADE	Kangayam cattle breed
SRT	L-8BADF	Kankrej cattle breed
SRT	L-8BAE0	Kenkatha cattle breed
SRT	L-8BAE1	Kherigarh cattle breed

SRT	L-8BAE2	Khillari cattle breed
SRT	L-8BAE3	Krishna Valley cattle breed
SRT	L-8BAE4	Lohani cattle breed
SRT	L-8BAE5	Malvi cattle breed
SRT	L-8BAE6	Mewati cattle breed
SRT	L-8BAE7	Nagori cattle breed
SRT	L-8BAE9	Nelore cattle breed
SRT	L-8BAEA	Nimari cattle breed
SRT	L-8BAEB	Ponwar cattle breed
SRT	L-8BAEC	Rath cattle breed
SRT	L-8BAED	Rathi cattle breed
SRT	L-8BAEE	Red Sindhi cattle breed
SRT	L-8BAEF	Rojhan cattle breed
SRT	L-8BAF0	Sahiwal cattle breed
SRT	L-8BAF1	Siri zebu cattle breed
SRT	L-8BAF2	Tharparkar cattle breed
SRT	L-8BAF3	Zanzibar Zebu cattle breed
SRT	L-8BAF4	Arsi cattle breed
SRT	L-8BAF5	Atpadi Mahal cattle breed
SRT	L-8BAF6	Azaouak cattle breed
SRT	L-8BAF7	Azerbaijan Zebu cattle breed
SRT	L-8BAF8	Baggara cattle breed
SRT	L-8BAF9	Bambawa cattle breed
SRT	L-8BAFA	Bami cattle breed
SRT	L-8BAFB	Banyo cattle breed
SRT	L-8BAFC	Bargur cattle breed
SRT	L-8BAFD	Bari cattle breed
SRT	L-8BAFE	Bimal cattle breed
SRT	L-8BAFF	Borneo Zebu cattle breed
SRT	L-8BB00	Butana cattle breed
SRT	L-8BB01	Chittagong Red cattle breed
SRT	L-8BB02	Cutchi cattle breed
SRT	L-8BB03	Dairy Zebu of Uberaba cattle breed
SRT	L-8BB04	Dashtiari cattle breed
SRT	L-8BB05	Diali cattle breed
SRT	L-8BB06	Didinga cattle breed
SRT	L-8BB07	Dongola cattle breed
SRT	L-8BB09	Fellata cattle breed
SRT	L-8BB0A	Turkmen zebu cattle breed
SRT	L-8BB0B	Abyssinian Highland Zebu cattle breed
SRT	L-8BB0C	Abyssinian Shorthorned Zebu cattle breed

SRT	L-8BB0E	Aceh cattle breed
SRT	L-8BB0F	Achham cattle breed
SRT	L-8BB10	Garre cattle breed
SRT	L-8BB11	Gasara cattle breed
SRT	L-8BB12	Gobra cattle breed
SRT	L-8BB13	Goomsur cattle breed
SRT	L-8BB14	Gujamavu cattle breed
SRT	L-8BB15	Leiqiong cattle breed
SRT	L-8BB16	Hissar cattle breed
SRT	L-8BB17	Ingessana cattle breed
SRT	L-8BB18	Jamaica Brahman cattle breed
SRT	L-8BB19	Jellicut cattle breed
SRT	L-8BB1A	Adamawa cattle breed
SRT	L-8BB1B	Aden Zebu cattle breed
SRT	L-8BB1C	Afghan cattle breed
SRT	L-8BB1D	Alambadi cattle breed
SRT	L-8BB1E	Umblachery cattle breed
SRT	L-8BB1F	Venezuelan Zebu cattle breed
SRT	L-8BB20	Pantaneiro cattle breed
SRT	L-8BB21	Jenubi cattle breed
SRT	L-8BB22	Jiddu cattle breed
SRT	L-8BB23	Jijjiga Zebu cattle breed
SRT	L-8BB24	Kabota cattle breed
SRT	L-8BB25	Kachcha Siri cattle breed
SRT	L-8BB26	Kalakheri cattle breed
SRT	L-8BB27	Kamdhino cattle breed
SRT	L-8BB28	Kandahari cattle breed
SRT	L-8BB29	Kaningan cattle breed
SRT	L-8BB2A	Wakwa cattle breed
SRT	L-8BB2B	White Fulani cattle breed
SRT	L-8BB2C	Yemeni Zebu cattle breed
SRT	L-8BB2D	Iranian Zebu cattle breed
SRT	L-8BB2E	Khorsan cattle breed
SRT	L-8BB2F	Polled Gir cattle breed
SRT	L-8BB30	Kappiliyan cattle breed
SRT	L-8BB31	Karamajong cattle breed
SRT	L-8BB32	Kenana cattle breed
SRT	L-8BB33	Kenya Boran cattle breed
SRT	L-8BB34	Kenya Zebu cattle breed
SRT	L-8BB35	Khamala cattle breed
SRT	L-8BB36	Khurasani zebu cattle breed

SRT	L-8BB37	Kilara cattle breed
SRT	L-8BB38	Kinniya cattle breed
SRT	L-8BB39	Konari cattle breed
SRT	L-8BB3A	Guzerat cattle breed
SRT	L-8BB3B	Tadzhik zebu cattle breed
SRT	L-8BB3C	Deogir cattle breed
SRT	L-8BB3D	Gayal cattle breed
SRT	L-8BB3E	American bison X cattle breed
SRT	L-8BB3F	Australian Braford X zebu cattle breed
SRT	L-8BB40	Krishnagari cattle breed
SRT	L-8BB41	Kumauni cattle breed
SRT	L-8BB42	Ladakhi cattle breed
SRT	L-8BB43	Latuka cattle breed
SRT	L-8BB44	Lugware cattle breed
SRT	L-8BB45	Madagascar Zebu cattle breed
SRT	L-8BB46	Madaripur cattle breed
SRT	L-8BB47	Magal cattle breed
SRT	L-8BB48	Malawi Zebu cattle breed
SRT	L-8BB49	Malnad Gidda cattle breed
SRT	L-8BB4A	Australian Friesian Sahiwal X zebu cattle breed
SRT	L-8BB4B	Braford X zebu cattle breed
SRT	L-8BB4C	Brahmousin X zebu cattle breed
SRT	L-8BB4D	Canchim X zebu cattle breed
SRT	L-8BB4E	Charbray X zebu cattle breed
SRT	L-8BB4F	Droughtmaster X zebu cattle breed
SRT	L-8BB50	Mampati cattle breed
SRT	L-8BB51	Manapari cattle breed
SRT	L-8BB52	Maure cattle breed
SRT	L-8BB53	Mazandarani cattle breed
SRT	L-8BB54	Merauke cattle breed
SRT	L-8BB55	Mere cattle breed
SRT	L-8BB56	Mhaswad cattle breed
SRT	L-8BB57	Miniature Zebu cattle breed
SRT	L-8BB58	Mongalla cattle breed
SRT	L-8BB59	Morang cattle breed
SRT	L-8BB5A	Gelbray X zebu cattle breed
SRT	L-8BB5B	Jamaica Black X zebu cattle breed
SRT	L-8BB5C	Jamaica Hope X zebu cattle breed
SRT	L-8BB5D	Jamaica Red X zebu cattle breed
SRT	L-8BB5E	Karan Fries X zebu cattle breed
SRT	L-8BB5F	Karan Swiss X zebu cattle breed

SRT	L-8BB60	Mozambique Angoni cattle breed
SRT	L-8BB61	Mpwapwa cattle breed
SRT	L-8BB62	Murle cattle breed
SRT	L-8BB63	Nakali cattle breed
SRT	L-8BB64	Nepalese Hill Zebu cattle breed
SRT	L-8BB65	N'Gaoundere cattle breed
SRT	L-8BB66	Nkedi cattle breed
SRT	L-8BB67	North Bangladesh Gray cattle breed
SRT	L-8BB68	North Somali Zebu cattle breed
SRT	L-8BB69	Polled Guzerat cattle breed
SRT	L-8BB6A	Mandalong X zebu cattle breed
SRT	L-8BB6B	Australian Milking Zebu X zebu cattle breed
SRT	L-8BB6C	Red Brangus X zebu cattle breed
SRT	L-8BB6D	Santa Cruz X zebu cattle breed
SRT	L-8BB6E	Siboney X zebu cattle breed
SRT	L-8BB6F	Bambara X zebu cattle breed
SRT	L-8BB70	Polled Nelore cattle breed
SRT	L-8BB71	Prewakwa cattle breed
SRT	L-8BB72	Pul-M'bor cattle breed
SRT	L-8BB73	Punganur cattle breed
SRT	L-8BB74	Ramgarhi cattle breed
SRT	L-8BB75	Red Bororo cattle breed
SRT	L-8BB76	Red Desert cattle breed
SRT	L-8BB77	Red Kandhari cattle breed
SRT	L-8BB78	Shakhansurri cattle breed
SRT	L-8BB79	Sheko cattle breed
SRT	L-8BB7A	Bambey X zebu cattle breed
SRT	L-8BB7B	Batanes Black X zebu cattle breed
SRT	L-8BB7C	Borgou X zebu cattle breed
SRT	L-8BB7D	Brahorn X zebu cattle breed
SRT	L-8BB7E	Bralers X zebu cattle breed
SRT	L-8BB7F	Bra-Maine X zebu cattle breed
SRT	L-8BB80	Shendi cattle breed
SRT	L-8BB81	Shuwa cattle breed
SRT	L-8BB82	Sinhala cattle breed
SRT	L-8BB83	Sistani cattle breed
SRT	L-8BB84	Small East African Zebu cattle breed
SRT	L-8BB85	Sokoto Gudali cattle breed
SRT	L-8BB86	Somali cattle breed
SRT	L-8BB87	Sonkheri cattle breed
SRT	L-8BB88	Son Valley cattle breed

SRT	L-8BB89	South China Zebu cattle breed
SRT	L-8BB8A	Bra-Swiss X zebu cattle breed
SRT	L-8BB8B	Bravon X zebu cattle breed
SRT	L-8BB8C	Brazilian Dairy Hybrid X zebu cattle breed
SRT	L-8BB8D	Burmese X zebu cattle breed
SRT	L-8BB8E	Bushuev X zebu cattle breed
SRT	L-8BB8F	Caiua X zebu cattle breed
SRT	L-8BB90	South Malawi Zebu cattle breed
SRT	L-8BB91	Sudanese Fulani cattle breed
SRT	L-8BB92	Tabapua cattle breed
SRT	L-8BB93	Tamankaduwa cattle breed
SRT	L-8BB94	Tanzanian Zebu cattle breed
SRT	L-8BB95	Tarai cattle breed
SRT	L-8BB96	Thillari cattle breed
SRT	L-8BB97	Toposa cattle breed
SRT	L-8BB98	Toronke cattle breed
SRT	L-8BB99	Toupouri cattle breed
SRT	L-8BB9A	Carazebu X zebu cattle breed
SRT	L-8BB9B	Central Asian Zebu X zebu cattle breed
SRT	L-8BB9C	Charford X zebu cattle breed
SRT	L-8BB9D	Cuban Criollo X zebu cattle breed
SRT	L-8BB9E	Cuban Zebu X zebu cattle breed
SRT	L-8BB9F	Dishty X zebu cattle breed
SRT	L-8BC00	Djakore X zebu cattle breed
SRT	L-8BC01	Gambian N'Dama X zebu cattle breed
SRT	L-8BC03	Ghana Sanga X zebu cattle breed
SRT	L-8BC04	Girolando X zebu cattle breed
SRT	L-8BC05	Guzerando X zebu cattle breed
SRT	L-8BC06	Hatton X zebu cattle breed
SRT	L-8BC07	Ibage X zebu cattle breed
SRT	L-8BC08	Iraqi X zebu cattle breed
SRT	L-8BC09	Jerdi X zebu cattle breed
SRT	L-8BC10	Jersind X zebu cattle breed
SRT	L-8BC11	Jotko X zebu cattle breed
SRT	L-8BC12	Kanem X zebu cattle breed
SRT	L-8BC13	Keteku X zebu cattle breed
SRT	L-8BC14	Lavinia X zebu cattle breed
SRT	L-8BC15	Local Indian Dairy X zebu cattle breed
SRT	L-8BC16	Mantiqueira X zebu cattle breed
SRT	L-8BC17	Ndagu X zebu cattle breed
SRT	L-8BC18	Normanzu X zebu cattle breed

SRT	L-8BC19	Nuba Mountain X zebu cattle breed
SRT	L-8BC20	Pabna X zebu cattle breed
SRT	L-8BC21	Mixed Perijanero X zebu cattle breed
SRT	L-8BC22	Pitangueiras X zebu cattle breed
SRT	L-8BC23	Quasah X zebu cattle breed
SRT	L-8BC24	Rana X zebu cattle breed
SRT	L-8BC25	Ranger X zebu cattle breed
SRT	L-8BC26	Renitelo X zebu cattle breed
SRT	L-8BC27	Riopardenze X zebu cattle breed
SRT	L-8BC28	Rustaqi X zebu cattle breed
SRT	L-8BC29	Sabre X zebu cattle breed
SRT	L-8BC30	Sahford X zebu cattle breed
SRT	L-8BC31	Schwyz-Zeboid X zebu cattle breed
SRT	L-8BC32	Suia X zebu cattle breed
SRT	L-8BC33	Suisbu X zebu cattle breed
SRT	L-8BC34	Sunandini X zebu cattle breed
SRT	L-8BC35	Taino X zebu cattle breed
SRT	L-8BC36	Thibar X zebu cattle breed
SRT	L-8BC37	Toubou X zebu cattle breed
SRT	L-8BC38	Tropical X zebu cattle breed
SRT	L-8BC39	TSSH-1 X zebu cattle breed
SRT	L-8BC40	Victoria X zebu cattle breed
SRT	L-8BC41	Wokalup X zebu cattle breed
SRT	L-8BC42	Madura wild javan X zebu cattle breed
SRT	L-8BC43	Beefalo bison X cattle breed
SRT	L-8BC44	Beefalo bison X cattle breed
SRT	L-80A40	Rex cat breed
SRT	L-80770	Dachshund superbreed of dog
SRT	L-80320	Dorset sheep superbreed
SRT	L-80A42	Devon rex cat breed
SRT	L-80A41	Cornish rex cat breed
SRT	L-80A45	Oregon rex cat breed
SRT	L-80A05	Abyssinian cat
SRT	L-80A06	American shorthair cat
SRT	L-80A07	American wirehaired cat
SRT	L-80A08	Balinese cat
SRT	L-80A09	Birman cat
SRT	L-80A10	Bombay cat
SRT	L-80A11	British shorthaired cat
SRT	L-80A12	Burmese cat
SRT	L-D9814	Cestrum parqui

SRT	L-80A13	Chartreux cat
SRT	L-80A51	Colourpoint shorthaired cat
SRT	L-80A19	Domestic leopard cat
SRT	L-80A20	Domestic longhaired cat
SRT	L-8880B	Domestic medium-haired cat
SRT	L-80A52	Domestic shorthaired cat
SRT	L-80A14	Egyptian mau cat
SRT	L-80A53	Exotic shorthaired cat
SRT	L-80A15	Havana brown cat
SRT	L-80A16	Japanese bobtail cat
SRT	L-80A17	Javanese cat
SRT	L-80A18	Korat cat
SRT	L-80A31	Longhaired manx
SRT	L-80A21	Maine coon cat
SRT	L-80A30	Manx
SRT	L-80A32	Ocicat
SRT	L-80A54	Oriental shorthaired cat
SRT	L-80A33	Persian cat
SRT	L-80A43	Russian blue cat
SRT	L-80A44	Scottish fold cat
SRT	L-80A50	Shorthaired cat
SRT	L-80A55	Siamese cat
SRT	L-80A56	Singapura cat
SRT	L-80A57	Somali cat
SRT	L-80A58	Tonkinese cat
SRT	L-80A59	Turkish angora cat
SRT	L-80705	Affenpinscher
SRT	L-80706	Afghan hound
SRT	L-80707	Airedale terrier
SRT	L-80708	Akita dog
SRT	L-80709	Alaskan malamute
SRT	L-807A4	American foxhound
SRT	L-80711	Australian cattle dog
SRT	L-80710	Australian terrier
SRT	L-80712	Basenji
SRT	L-80713	Basset hound
SRT	L-80714	Beagle
SRT	L-80715	Bedlington terrier
SRT	L-80716	Belgian groenendael dog
SRT	L-80717	Belgian laeken dog
SRT	L-80718	Belgian malinois dog

SRT	L-80719	Belgian sheepdog
SRT	L-80720	Belgian tervuren dog
SRT	L-80721	Bernese mountain dog
SRT	L-80722	Bichons frise dog
SRT	L-80723	Bloodhound
SRT	L-80724	Border terrier
SRT	L-80725	Borzoi dog
SRT	L-80726	Boston terrier
SRT	L-80727	Bouvier des Flandres
SRT	L-80728	Boxer dog
SRT	L-80729	Briard dog
SRT	L-80730	Bull terrier
SRT	L-80735	Bulldog
SRT	L-80736	Bullmastiff
SRT	L-80737	Cairn terrier
SRT	L-80738	Cavalier King Charles spaniel
SRT	L-80744	Chow Chow
SRT	L-80750	Collie
SRT	L-80760	Coonhound
SRT	L-80777	Dalmatian dog
SRT	L-80778	Dandie dinmont terrier
SRT	L-80780	Doberman pinscher
SRT	L-80781	Drever dog
SRT	L-807A5	English foxhound
SRT	L-80782	English toy spaniel
SRT	L-80790	Eskimo dog
SRT	L-80793	Finnish spitz dog
SRT	L-807B0	Foxhound
SRT	L-807B1	French bulldog
SRT	L-807B2	German shepherd dog
SRT	L-807B4	Great Pyrenee dog
SRT	L-807B3	Great dane dog
SRT	L-807B5	Greyhound
SRT	L-807C0	Griffon dog
SRT	L-807C3	Harrier dog
SRT	L-80702	Hound
SRT	L-807C4	Ibizan hound
SRT	L-807C6	Irish terrier
SRT	L-807C5	Irish wolfhound
SRT	L-807C7	Italian greyhound
SRT	L-807C8	Jack Russel terrier

SRT	L-807C9	Japanese chin dog
SRT	L-807D0	Japanese spaniel
SRT	L-807D1	Karelian bear dog
SRT	L-807D2	Keeshond
SRT	L-807D3	Kerry blue terrier
SRT	L-807D4	Komondor dog
SRT	L-807D5	Kuvasz dog
SRT	L-807D6	Lakeland terrier
SRT	L-807D7	Lhasa apso
SRT	L-807D8	Maltese dog
SRT	L-80803	Mastiff dog
SRT	L-80804	Mexican hairless dog
SRT	L-80805	Miniature pinscher dog
SRT	L-80806	Newfoundland dog
SRT	L-80807	Norfolk terrier
SRT	L-80808	Norwegian elkhound
SRT	L-80809	Norwich terrier
SRT	L-80810	Old English sheepdog
SRT	L-80811	Otter hound
SRT	L-80812	Papillon dog
SRT	L-80813	Pekingese dog
SRT	L-80814	Petit basset griffon vendeen dog
SRT	L-80815	Pharaoh hound
SRT	L-80816	Plott hound
SRT	L-80820	Pointer
SRT	L-80824	Pomeranian dog
SRT	L-80834	Portuguese water dog
SRT	L-80835	Pudelpointer
SRT	L-80836	Pug dog
SRT	L-80837	Puli dog
SRT	L-80840	Retriever
SRT	L-80847	Rhodesian ridgeback dog
SRT	L-80848	Rottweiler dog
SRT	L-80849	Saluki dog
SRT	L-80850	Samoyed dog
SRT	L-80851	Schipperke dog
SRT	L-80779	Scottish deerhound
SRT	L-80864	Scottish terrier
SRT	L-80865	Sealyham terrier
SRT	L-80870	Setter
SRT	L-80874	Shetland sheepdog

SRT	L-80875	Shih tzu dog
SRT	L-80876	Siberian huskie
SRT	L-80877	Silky terrier
SRT	L-80878	Skye terrier
SRT	L-80879	Soft-coated wheaten terrier
SRT	L-80880	Spaniel
SRT	L-80895	St. Bernard dog
SRT	L-80801	Standard Manchester terrier
SRT	L-80896	Tahltan bear dog
SRT	L-80703	Terrier
SRT	L-80897	Tibetan spaniel
SRT	L-80898	Tibetan terrier
SRT	L-80802	Toy Manchester terrier
SRT	L-80903	Weimaraner
SRT	L-80904	Welsh terrier
SRT	L-80913	West Highland white terrier
SRT	L-80914	Whippet dog
SRT	L-807C2	Wirehaired pointing griffon dog
SRT	L-88120	Wolf
SRT	L-80915	Yorkshire terrier
SRT	L-80105	Aberdeen Angus cow breed
SRT	L-80106	Ayrshire cow breed
SRT	L-80108	Black Angus cow breed
SRT	L-80112	Blonde d'Aquitaine cow breed
SRT	L-80113	Brahma cow breed
SRT	L-80115	Brown Swiss cow breed
SRT	L-80116	Canadian cow breed
SRT	L-80118	Chianina cow breed
SRT	L-80119	Criollo cow breed
SRT	L-80120	Dexter cow breed
SRT	L-80130	Galloway cow breed
SRT	L-80131	Belted Galloway cow breed
SRT	L-80132	Gelbveih cow breed
SRT	L-80133	German Fleck-Vieh cow breed
SRT	L-80134	Gir cow breed
SRT	L-80135	Guernsey cow breed
SRT	L-80136	Gujarati cow breed
SRT	L-80137	Hays converter cow breed
SRT	L-80141	Horned Hereford cow breed
SRT	L-80142	Polled Hereford cow breed

SRT	L-80143	Holstein-Friesian cow breed
SRT	L-80144	Jersey cow breed
SRT	L-80145	Limousin cow breed
SRT	L-80146	Lincoln red cow breed
SRT	L-80147	Longhorn cow breed
SRT	L-80148	Luing cow breed
SRT	L-80149	Maine Anjou cow breed
SRT	L-80150	Marchigiana cow breed
SRT	L-80151	Meusse-Rhine-Ijssel cow breed
SRT	L-80153	Nellore cow breed
SRT	L-80154	Normandie cow breed
SRT	L-80156	Pinzgauer cow breed
SRT	L-80157	Red Poll cow breed
SRT	L-80158	Salers cow breed
SRT	L-80160	Scottish Highland cow breed
SRT	L-80170	Shorthorn cow breed
SRT	L-80171	Milking Shorthorn cow breed
SRT	L-80172	Simmental cow breed
SRT	L-80173	Tarentaise cow breed
SRT	L-80174	Black Welsh cow breed
SRT	L-80175	Brown Welsh cow breed
SRT	L-80176	White Park cow breed
SRT	L-801E8	Bison bison X Simmental hybrid
SRT	L-80205	Alpine goat breed
SRT	L-80206	French alpine goat breed
SRT	L-80207	Rock alpine goat breed
SRT	L-80208	Angora goat breed
SRT	L-80209	Camarron goat breed
SRT	L-80210	Chamoisee goat breed
SRT	L-80211	La Mancha goat breed
SRT	L-80212	Anglo nubian goat breed
SRT	L-80213	Pygmy goat breed
SRT	L-80214	Saanen goat breed
SRT	L-80215	Swiss alpine goat breed
SRT	L-80216	Toggenburg goat breed
SRT	L-80218	Australian goat breed
SRT	L-80219	Arapawa Island goat breed
SRT	L-8021A	Maltese goat breed
SRT	L-8021B	Provençale goat breed
SRT	L-8021C	Negra Serrana goat breed
SRT	L-8021D	Orobica goat breed

SRT	L-8021E	Roya-Vesubie goat breed
SRT	L-8021F	Retinta Extremena goat breed
SRT	L-80220	Appenzell goat breed
SRT	L-80221	American Cashmere goat breed
SRT	L-80222	Altai Mountain goat breed
SRT	L-80223	Pyrenean goat breed
SRT	L-80224	Bagot goat breed
SRT	L-80225	Russian White goat breed
SRT	L-80226	Moxotó goat breed
SRT	L-80227	Myotonic goat breed
SRT	L-80228	Nachi goat breed
SRT	L-80229	Nigerian Dwarf goat breed
SRT	L-8022A	Sarda goat breed
SRT	L-8022B	Serpentina goat breed
SRT	L-8022C	Serrana goat breed
SRT	L-8022D	Verata goat breed
SRT	L-8022E	Verzasca goat breed
SRT	L-80230	Norwegian goat breed
SRT	L-80231	Oberhasli goat breed
SRT	L-80232	Peacock goat breed
SRT	L-80233	Philippine goat breed
SRT	L-80234	Loashan goat breed
SRT	L-80235	San Clemente goat breed
SRT	L-80236	Somali goat breed
SRT	L-80237	Spanish goat breed
SRT	L-80238	Rove goat breed
SRT	L-80239	SRD goat breed
SRT	L-80240	Swedish Landrace goat breed
SRT	L-80241	Thuringian goat breed
SRT	L-80242	Uzbek Black goat breed
SRT	L-80243	Zhongwei goat breed
SRT	L-80244	Barbari goat breed
SRT	L-80245	Poitou goat breed
SRT	L-80246	Repartida goat breed
SRT	L-80247	Booted goat breed
SRT	L-80248	Corsican goat breed
SRT	L-80249	Chapar goat breed
SRT	L-80250	Canindé goat breed
SRT	L-80251	Canary Island goat breed
SRT	L-80252	Daera Din Panah goat breed
SRT	L-80253	British Alpine goat breed

SRT	L-80254	Bhuj goat breed
SRT	L-80255	Boer goat breed
SRT	L-80256	Benadir goat breed
SRT	L-80257	Creole Antilles goat breed
SRT	L-80258	Beetal goat breed
SRT	L-80259	Golden Guernsey goat breed
SRT	L-80260	Danish Landrace goat breed
SRT	L-80261	Kaghani goat breed
SRT	L-80263	Irish goat breed
SRT	L-80265	Grisons Striped goat breed
SRT	L-80266	Jining Gray goat breed
SRT	L-80267	Finnish Landrace goat breed
SRT	L-80268	Erzgebirg goat breed
SRT	L-80269	Kamori goat breed
SRT	L-80270	Don goat breed
SRT	L-80271	Kiko goat breed
SRT	L-80272	Kinder goat breed
SRT	L-80273	Pygora goat breed
SRT	L-80274	Wooden Leg goat breed
SRT	L-80275	Alpine Chamoisee goat breed
SRT	L-80276	Massif Central goat breed
SRT	L-80277	Malagueña goat breed
SRT	L-80278	Algarvia goat breed
SRT	L-80279	British Saanen goat breed
SRT	L-80280	British Toggenburg goat breed
SRT	L-80281	Bündner goat breed
SRT	L-80282	Blanca Andaluza goat breed
SRT	L-80283	Blanca Celtiberica goat breed
SRT	L-80284	Bravia goat breed
SRT	L-80285	Black Grisonne goat breed
SRT	L-80286	Chamois of the Alps goat breed
SRT	L-80287	Charnequeria goat breed
SRT	L-80288	Carpathe goat breed
SRT	L-80289	Col Noir du Valais goat breed
SRT	L-80290	Damani goat breed
SRT	L-80291	Des Fosses (Communes de l'Ouest) goat breed
SRT	L-80292	English goat breed
SRT	L-80293	English Guernsey goat breed
SRT	L-80294	German colored goat breed
SRT	L-80295	Guadarrama goat breed

SRT	L-80296	Garganica goat breed
SRT	L-80297	Girgentana goat breed
SRT	L-80298	Jonica goat breed
SRT	L-80299	Murciana-Granadina goat breed
SRT	L-80306	Barbados sheep breed
SRT	L-80307	Black faced Highland sheep breed
SRT	L-80308	Cheviot sheep breed
SRT	L-80309	Clun Forest sheep breed
SRT	L-80310	Corriedale sheep breed
SRT	L-80311	Cotswold sheep breed
SRT	L-80312	Debouillet sheep breed
SRT	L-80321	Horn dorset sheep breed
SRT	L-80322	Finnish landrace sheep breed
SRT	L-80323	Karakul sheep breed
SRT	L-80324	Kerry Hill sheep breed
SRT	L-80325	Leicester sheep breed
SRT	L-80326	Lincoln sheep breed
SRT	L-80327	Hampshire Down sheep breed
SRT	L-80331	American merino sheep breed
SRT	L-80332	Delaine merino sheep breed
SRT	L-80333	Montdale sheep breed
SRT	L-80334	Mouflon sheep breed
SRT	L-80335	Navajo sheep breed
SRT	L-80336	No-tail sheep breed
SRT	L-80337	North County cheviot sheep breed
SRT	L-80338	Oxford Down sheep breed
SRT	L-80339	Panama sheep breed
SRT	L-80340	Perendale sheep breed
SRT	L-80341	Rambouillet sheep breed
SRT	L-80342	Romanov sheep breed
SRT	L-80343	Romedale sheep breed
SRT	L-80344	Romnelet sheep breed
SRT	L-80345	Romney marsh sheep breed
SRT	L-80346	Shropshire sheep breed
SRT	L-80347	Southdown sheep breed
SRT	L-80348	Suffolk sheep breed
SRT	L-80349	Targhee sheep breed
SRT	L-80350	Wiltshire horn sheep breed
SRT	L-80405	American Albino horse breed
SRT	L-80406	American Buckskin horse breed
SRT	L-80407	American cream horse breed

SRT	L-80408	American miniature horse breed
SRT	L-80409	American paint horse breed
SRT	L-80410	American saddlebred horse breed
SRT	L-80411	American trotter horse breed
SRT	L-80412	American tunis horse breed
SRT	L-80413	Andalusian horse breed
SRT	L-80414	Appaloosa horse breed
SRT	L-80415	Arabian horse breed
SRT	L-80416	Belgian horse breed
SRT	L-80417	Canadian horse breed
SRT	L-80418	Cleveland bay horse breed
SRT	L-80419	Clydesdale horse breed
SRT	L-80421	Fjord horse breed
SRT	L-80422	Galiceno horse breed
SRT	L-80423	Hackney horse breed
SRT	L-80424	Haflinger horse breed
SRT	L-80425	Hanoverian horse breed
SRT	L-80426	Holsteiner horse breed
SRT	L-80427	Hunter horse breed
SRT	L-80428	Icelandic horse breed
SRT	L-80429	Lipizzaner horse breed
SRT	L-80430	Missouri fox trotting horse breed
SRT	L-80431	Morgan horse breed
SRT	L-80433	New Forest pony horse breed
SRT	L-80435	Norman coach horse breed
SRT	L-80436	Palomino horse breed
SRT	L-80437	Paso Fino horse breed
SRT	L-80438	Percheron horse breed
SRT	L-80439	Peruvian Paso horse breed
SRT	L-80440	Pinto horse breed
SRT	L-80450	Pony horse breed
SRT	L-80451	American pony horse breed
SRT	L-80452	Shetland pony horse breed
SRT	L-80453	Ariégeois pony horse breed
SRT	L-80454	Quarter horse breed
SRT	L-80455	Shire horse breed
SRT	L-80456	Spanish mustang horse breed
SRT	L-80457	Standardbred horse breed
SRT	L-80458	Suffolk horse breed
SRT	L-80459	Tennessee walking horse breed
SRT	L-80461	Trakehner horse breed

SRT	L-80462	Viking horse breed
SRT	L-80463	Welsh walking horse breed
SRT	L-80464	Westphalian horse breed
SRT	L-80465	Yorkshire coach horse breed
SRT	L-80495	Draft pony superbreed horse breed
SRT	L-804A0	American draft pony horse breed
SRT	L-804B0	Pindos pony horse breed
SRT	L-804C0	Skyros pony horse breed
SRT	L-80505	Beltsville pig breed
SRT	L-80506	Beltsville pig #1 pig breed
SRT	L-80507	Beltsville pig #2 pig breed
SRT	L-80510	Berkshire pig breed
SRT	L-80511	Kentucky red berkshire pig breed
SRT	L-80520	Boar power pig breed
SRT	L-80521	Boar power pig 27 pig breed
SRT	L-80522	Boar power pig 48 pig breed
SRT	L-80523	Boar power pig 59 pig breed
SRT	L-80524	Boar power pig 72 pig breed
SRT	L-80525	Boar power pig 84 pig breed
SRT	L-80526	Boar power pig 141 pig breed
SRT	L-80527	Boar power pig 161 pig breed
SRT	L-80528	Boar power pig 282 pig breed
SRT	L-80529	Boar power pig 292 pig breed
SRT	L-80530	Boar power pig 414 pig breed
SRT	L-80531	Boar power pig 454 pig breed
SRT	L-80532	Boar power pig 474 pig breed
SRT	L-80533	Boar power pig 545 pig breed
SRT	L-80534	Boar power pig 565 pig breed
SRT	L-80535	Boar power pig 616 pig breed
SRT	L-80536	Boar power pig 656 pig breed
SRT	L-80537	Boar power pig 747 pig breed
SRT	L-80538	Boar power pig 828 pig breed
SRT	L-80539	Boar power pig 929 pig breed
SRT	L-80540	British lop pig breed
SRT	L-80541	British saddleback pig breed
SRT	L-80550	CPF pig breed
SRT	L-80551	CPF pig #1 pig breed
SRT	L-80552	CPF pig #2 pig breed
SRT	L-80553	Chester white pig breed
SRT	L-80554	Connor prairie pig breed
SRT	L-80560	DK pig breed

SRT	L-80561	DK pig 30 pig breed
SRT	L-80562	DK pig 31 pig breed
SRT	L-80563	DK pig 33 pig breed
SRT	L-80564	DK pig 51 pig breed
SRT	L-80565	DK pig 61 pig breed
SRT	L-80566	DK pig 63 pig breed
SRT	L-80567	DK pig 77 pig breed
SRT	L-80568	Duroc pig breed
SRT	L-80570	FHC pig breed
SRT	L-80571	FHC elite pig 1 pig breed
SRT	L-80572	FHC elite pig 2 pig breed
SRT	L-80573	FHC elite pig 3 pig breed
SRT	L-80574	FHC elite pig 4 pig breed
SRT	L-80575	FHC elite pig 5 pig breed
SRT	L-80576	FHC elite pig 6 pig breed
SRT	L-80577	FHC elite pig 7 pig breed
SRT	L-80578	FHC elite pig 8 pig breed
SRT	L-80579	FHC elite pig 9 pig breed
SRT	L-8057A	Gloucester old spot pig breed
SRT	L-80580	Hampshire pig breed
SRT	L-80581	Hereford pig breed
SRT	L-80582	Hormel miniature pig breed
SRT	L-80590	Kleen leen pig breed
SRT	L-80591	Kleen leen black pig breed
SRT	L-80592	Kleen leen red pig breed
SRT	L-80593	Kleen leen white pig breed
SRT	L-80594	Lacombe pig breed
SRT	L-80600	Landrace pig breed
SRT	L-80601	Belgium landrace pig breed
SRT	L-80602	British landrace pig breed
SRT	L-80603	Danish landrace pig breed
SRT	L-80604	Dutch landrace pig breed
SRT	L-80605	French landrace pig breed
SRT	L-80606	German landrace pig breed
SRT	L-80607	Italian landrace pig breed
SRT	L-80608	Norwegian landrace pig breed
SRT	L-80609	Swedish landrace pig breed
SRT	L-80610	Large black pig breed
SRT	L-80611	Large white pig breed
SRT	L-80612	Lucie pig breed
SRT	L-80620	Maryland pig breed

SRT	L-80621	Maryland pig #1 pig breed
SRT	L-80622	Middle white pig breed
SRT	L-80630	Minnesota pig breed
SRT	L-80631	Minnesota pig #1 pig breed
SRT	L-80632	Minnesota pig #2 pig breed
SRT	L-80633	Minnesota pig #3 pig breed
SRT	L-80640	Montana pig breed
SRT	L-80641	Montana pig #1 pig breed
SRT	L-80642	OIC pig breed
SRT	L-80643	Oxford sandy block pig breed
SRT	L-80644	Palouse pig breed
SRT	L-80650	Pic pig breed
SRT	L-80651	Pic Cambourgh pig breed
SRT	L-80652	Pic line pig 24 pig breed
SRT	L-80653	Pic line pig 26 pig breed
SRT	L-80654	Pietrain pig breed
SRT	L-80655	Poland China pig breed
SRT	L-80656	Red wattle pig breed
SRT	L-80657	San Pierre pig breed
SRT	L-80658	Spotted pig breed
SRT	L-80659	Tamworth pig breed
SRT	L-80660	Welsh pig breed
SRT	L-80661	Wessex saddleback pig breed
SRT	L-80662	Yorkshire pig breed
SRT	L-80663	Yuca pig breed
SRT	L-80731	American pit bull terrier dog breed
SRT	L-80732	Colored bull terrier dog breed
SRT	L-80733	Staffordshire bull terrier dog breed
SRT	L-80734	White bull terrier dog breed
SRT	L-80740	Chihuahua superbreed dog breed
SRT	L-80741	Long coat chihuahua dog breed
SRT	L-80742	Short coat chihuahua dog breed
SRT	L-80743	Long and short coat chihuahua dog breed
SRT	L-80751	Bearded collie dog breed
SRT	L-80752	Rough collie dog breed
SRT	L-80753	Rough and smooth dog breed
SRT	L-80754	Smooth collie dog breed
SRT	L-80761	American coonhound dog breed
SRT	L-80762	Black and tan coonhound dog breed
SRT	L-80763	Blue tick coonhound dog breed
SRT	L-80764	English coonhound dog breed

SRT	L-80765	Redbone coonhound dog breed
SRT	L-80766	Treeing walker coonhound dog breed
SRT	L-80771	Longhaired miniature dachshund dog breed
SRT	L-80772	Smooth miniature dachshund dog breed
SRT	L-80773	Wirehaired miniature dachshund dog breed
SRT	L-80774	Longhaired standard dachshund dog breed
SRT	L-80775	Smooth standard dachshund dog breed
SRT	L-80776	Wirehaired standard dachshund dog breed
SRT	L-8077A	Dachshund, Miniature dog breed
SRT	L-8077B	Standard dachshund dog breed
SRT	L-80791	American eskimo dog breed
SRT	L-80792	Canadian eskimo dog breed
SRT	L-807A0	Fox terrier superbreed dog breed
SRT	L-807A1	Smooth fox terrier dog breed
SRT	L-807A2	Wire fox terrier dog breed
SRT	L-807A3	Toy fox terrier dog breed
SRT	L-80800	Manchester terrier superbreed dog breed
SRT	L-80821	German longhaired pointer dog breed
SRT	L-80822	German shorthaired pointer dog breed
SRT	L-80823	German wirehaired pointer dog breed
SRT	L-80830	Poodle superbreed dog breed
SRT	L-80831	Toy poodle dog breed
SRT	L-80832	Miniature poodle dog breed
SRT	L-80833	Standard poodle dog breed
SRT	L-80841	Chesapeake Bay retriever dog breed
SRT	L-80842	Curly-coated retriever dog breed
SRT	L-80843	Flat-coated retriever dog breed
SRT	L-80844	Golden retriever dog breed
SRT	L-80845	Labrador retriever dog breed
SRT	L-80846	Nova Scotia duck tolling retriever dog breed
SRT	L-80860	Schnauzer superbreed dog breed
SRT	L-80861	Miniature schnauzer dog breed
SRT	L-80862	Giant schnauzer dog breed
SRT	L-80863	Standard schnauzer dog breed
SRT	L-80871	English setter dog breed
SRT	L-80872	Gordon setter dog breed
SRT	L-80873	Irish setter dog breed
SRT	L-80881	American water spaniel dog breed
SRT	L-80882	Brittany spaniel dog breed
SRT	L-80883	Clumber spaniel dog breed
SRT	L-80884	American cocker spaniel dog breed

SRT	L-80885	Black cocker spaniel dog breed
SRT	L-80886	A.S.C.O.B. cocker spaniel dog breed
SRT	L-80887	Parti-color cocker spaniel dog breed
SRT	L-80888	English Springer spaniel dog breed
SRT	L-80889	Field spaniel dog breed
SRT	L-80891	Irish water spaniel dog breed
SRT	L-80892	Sussex spaniel dog breed
SRT	L-80893	Welsh Springer spaniel dog breed
SRT	L-80894	English cocker spaniel dog breed
SRT	L-80900	Vizsla superbreed dog breed
SRT	L-80901	Smooth haired vizsla dog breed
SRT	L-80902	Wirehaired vizsla dog breed
SRT	L-80910	Welsh corgi superbreed dog breed
SRT	L-80911	Cardigan Welsh corgi dog breed
SRT	L-80912	Pembroke Welsh corgi dog breed
SRT	L-88106	Alaskan Klee Kai dog breed
SRT	L-88107	Anatolian shepherd dog breed
SRT	L-88108	Boerboel dog breed
SRT	L-8810A	Victorian Bulldogge dog breed
SRT	L-8880C	American bobtail cat breed
SRT	L-8880D	Pixie-bob cat breed
SRT	L-8A105	Warmblood horse breed
SRT	L-8A106	Brabant horse breed
SRT	L-8A10B	Equus caballus gmelini horse breed
SRT	L-8A10C	Gypsy Vanner horse breed
SRT	L-8A10D	Murgese horse breed
SRT	L-8A114	Saddlebred horse superbreed horse breed
SRT	L-8B102	Ukrainian steppe white pig breed
SRT	L-8B943	Bos taurus indicus cow breed
SRT	L-8B946	Bos taurus taurus subspecies domestic European cow breed
SRT	L-8B948	Masai cow breed
SRT	L-8B949	Bos taurus X Bison bison hybrid cow breed
SRT	L-8C339	Galway sheep breed

CID 7481 Breed Registry

Context ID 7481
Breed Registry

Type: Extensible Version: 20060822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)

DCM	109200	America Kennel Club
DCM	109201	America's Pet Registry Inc.
DCM	109202	American Canine Association
DCM	109203	American Purebred Registry
DCM	109204	American Rare Breed Association
DCM	109205	Animal Registry Unlimited
DCM	109206	Animal Research Foundation
DCM	109207	Canadian Border Collie Association
DCM	109208	Canadian Kennel Club
DCM	109209	Canadian Livestock Records Association
DCM	109210	Canine Federation of Canada
DCM	109211	Continental Kennel Club
DCM	109212	Dog Registry of America
DCM	109213	Federation of International Canines
DCM	109214	International Progressive Dog Breeders' Alliance
DCM	109215	National Kennel Club
DCM	109216	North American Purebred Dog Registry
DCM	109217	United All Breed Registry
DCM	109218	United Kennel Club
DCM	109219	Universal Kennel Club International
DCM	109220	Working Canine Association of Canada
DCM	109221	World Kennel Club
DCM	109222	World Wide Kennel Club

Note: The contents of this table were derived from the information available at "http://www.canadasguidetodogs.com/breedregistries.htm".

CID 7482 DX Anatomy Imaged for Animals

Context ID 7482
DX Anatomy Imaged for Animals

Type: Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 7483 Common Anatomic Regions for Animals		

CID 7483 Common Anatomic Regions for Animals

Context ID 7483
Common Anatomic Regions for Animals

Type: Extensible Version: 20090717

Coding Scheme Designator	Code Value (0008,0100)	Code Meaning (0008,0104)	Notes

(0008,0102)			
SRT	T-D4000	Abdomen	
SRT	T-D8030	All legs	
SRT	T-1531B	Atlantal-axial joint	
SRT	T-15311	Atlanto-occipital joint	
SRT	T-74000	Bladder	
SRT	T-12771	Calcaneal tubercle	See Note 1.
SRT	T-D0788	Carpus	See Note 2.
SRT	T-11501	Cervical spine	
SRT	T-D00F7	Cervico-thoracic spine	
SRT	T-D3000	Chest	
SRT	R-FAB55	Chest and Abdomen	
SRT	T-11B02	Coccygeal vertrebrae	See Note 3.
SRT	T-59300	Colon	
SRT	T-D0310	Digit	
SRT	T-110A2	Distal phalanx	
SRT	T-D8300	Elbow	
SRT	T-D0010	Entire body	
SRT	T-56000	Esophagus	
SRT	T-12710	Femur	
SRT	T-D8640	Fetlock of forelimb	
SRT	T-D9540	Fetlock of hindlimb	
SRT	T-D04F2	Forefoot	
SRT	T-22200	Frontal sinus	
SRT	T-D9713	Hindfoot	
SRT	T-15710	Hip joint	
SRT	T-12410	Humerus	
SRT	T-11503	Lumbar spine	
SRT	T-D00F9	Lumbo-sacral spine	
SRT	T-11180	Mandible	
SRT	T-54170	Mandibular dental arch	
SRT	T-540EE	Mandibular incisor teeth	
SRT	T-54160	Maxillary dental arch	
SRT	T-540ED	Maxillary incisor teeth	
SRT	T-1254D	Metacarpus	
SRT	T-12847	Metatarsus	
SRT	T-22000	Nasal sinus	
SRT	T-127EC	Navicular	See Note 4.
SRT	T-D14AD	Orbital region	
SRT	T-D8650	Pastern of forefoot	

SRT	T-D9550	Pastern of hindfoot	
SRT	T-12730	Patella	
SRT	T-D6000	Pelvis	
SRT	T-12403	Radius and ulna	
SRT	T-11AD0	Sacrum	
SRT	T-D2220	Shoulder	
SRT	T-11100	Skull	
SRT	T-15728	Stiffle	
SRT	T-11096	Tarsus	See Note 5.
SRT	T-11502	Thoracic spine	
SRT	T-D00F8	Thoraco-lumbar spine	
SRT	T-12701	Tibia and fibula	
SRT	T-50110	Upper gastro-intestinal tract	
SRT	T-75000	Urethra	
SRT	T-70000	Urinary tract	
SRT	T-D8040	Wing	

Notes: 1. T-12771 is used in preference to (T-12770, SRT, “Calcaneus”).

2. T-D0788 is used in preference to capral joint.

3. T-11B02 is used in preference to (T-11BF0, SRT, “coccyx”) as used for humans, since the animal possess a tail.

4. T-127EC assumes correspondence between equine and human navicular (distal sesamoid).

5. T-11096 is used for the hock joint.

CID 7484 DX View for Animals

Context ID 7484
DX View for Animals

Type: Extensible Version: 20090717

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Equivalent per Smallwood et al (see note 1)	View Position (0018,5101) (see note 2)
SRT	R-40AC9	Caudodistal-cranioproximal oblique	CdDi-CrPrO	CDDI_CRPRO
DCM	123019	Caudal 10 degree distal-cranioproximal oblique	Cd10Di-CrPrO	CD10DI_CRPRO
SRT	R-10244	Caudocranial	CdCr	CDCR
SRT	R-40AAC	Dorso-ventral	DV	DV
SRT	R-40AE8	Dorsolateral-palmaromedial oblique	DL-PaMO	DL_PAMO
SRT	R-40AFC	Dorsal 35 degree lateral-palmaromedial oblique	D35L-PaMO	D35L_PAMO

SRT	R-40AC2	Dorsal 45 degree lateral-palmaromedial oblique	D40L-PaMO	D40L_PAMO
SRT	R-40AE1	Dorsal 60 degree lateral-palmaromedial oblique	D60L-PaMO	D60L_PAMO
SRT	R-40ACF	Dorsolateral-plantaromedial oblique	DL-PlMO	DL_PLMO
SRT	R-40ACB	Dorsal 35 degree lateral-plantaromedial oblique	D35L-PlMO	D35L_PLMO
SRT	R-40AB6	Dorsal 40 degree lateral-plantaromedial oblique	D40L-PlMO	D40L_PLMO
SRT	R-40AE4	Dorsal 45 degree lateral-plantaromedial oblique	D45L-PlMO	D45L_PLMO
SRT	R-40AC6	Dorsal 60 degree lateral-plantaromedial oblique	D60L-PlMO	D60L_PLMO
SRT	R-40AF2	Dorsomedial-palmarolateral	DM-PaLO	DM_PALO
SRT	R-40AB5	Dorsal 35 degree medial-palmarolateral oblique	D35M-PaLO	D35M_PALO
SRT	R-40AD2	Dorsal 40 degree medial-palmarolateral oblique	D40M-PaLO	D40M_PALO
SRT	R-40AD4	Dorsal 45 degree medial-palmarolateral	D45M-PaLO	D45M_PALO
SRT	R-40AC7	Dorsal 60 degree medial-palmarolateral oblique	D60M-PaLO	D60M_PALO
SRT	R-40AD0	Dorsomedial-plantarolateral oblique	DM-PlLO	DM_PLLO
SRT	R-40ACD	Dorsal 35 degree medial-plantarolateral oblique	D35M-PlLO	D35M_PLLO
SRT	R-40AD3	Dorsal 40 degree medial-plantarolateral oblique	D40M-PlLO	D40M_PLLO
SRT	R-40AC5	Dorsal 45 degree medial-plantarolateral oblique	D45M-PlLO	D45M_PLLO
SRT	R-40AE3	Dorsal 60 degree medial-plantarolateral oblique	D60M-PlLO	D60M_PLLO
SRT	R-40AA9	Dorsopalmar	DPa	DPA
SRT	R-102C4	Dorsoplantar	DPl	DPL
SRT	R-40AFA	Dorsoproximal-palmarodistal oblique	DPr-PaDiO	DPR_PADIO
SRT	R-40ACE	Dorsal 65 degree proximal-palmarodistal oblique	D65Pr-PaDiO	D65PR_PADIO
SRT	R-40ABD	Dorsoproximal-plantarodistal oblique	DPr-PlDiO	DPR_PLDIO
SRT	R-40AD5	Dorsal 65 degree proximal-plantarodistal oblique	D65Pr-PlDiO	D65PR_PLDIO
SRT	R-40AEA	Dorsorostral-ventrocaudal oblique	DR-VcdO	DR_VCDO
SRT	R-40AFB	Dorsal 20 degree rostral-ventrocaudal oblique	D20R-VcdO	D20R_VCDO

SRT	R-40ADB	Laterodorsoproximal-mediopalmarodistal oblique	LDPr-MpaDiO	LDPR_MPADIO
SRT	R-40AB4	Lateral 45 deg dorsal 50 deg proximal-mediopalmarodistal oblique	L45D50Pr-MpaDiO	L45D50PR_MPADIO
SRT	R-40ADC	Laterodorsoproximal-medioplantarodistal oblique	LDPr-MplDiO	LDPR_MPLDIO
SRT	R-40AEC	Lateral 45 deg dorsal 50 deg proximal-medioplantarodistal obliq	L45D50Pr-MplDiO	L45D50PR_MPLDIO
SRT	R-10228	Lateromedial	LM	LM
SRT	R-40AE0	Left caudal-right rostral oblique	LeCd-RtRO	LECD_RTRO
SRT	R-40AC1	Left 30 degree caudal-right rostral oblique	Le30Cd-RtRO	LE30CD_RTRO
SRT	R-40AE5	Left dorsal-right ventral oblique	LeD-RtVO	LED_RTVO
SRT	R-40AFE	Left 20 degree dorsal-right ventral oblique	Le20D-RtVO	LE20D_RTVO
SRT	R-40AC3	Left 45 degree dorsal-right ventral oblique	Le45D-RtVO	LE45D_RTVO
SRT	R-40AE6	Left rostral-right caudal oblique	LeR-RtCdO	LER_RTCDO
SRT	R-40ADD	Left 20 degree rostral-right caudal oblique	Le20R-RtCdO	LE20R_RTCDO
SRT	R-40AF5	Left ventral-right dorsal oblique	LeV-RtDO	LEV_RTDO
SRT	R-40ADE	Left 20 degree ventral-right dorsal oblique	Le20V-RtDO	LE20V_RTDO
SRT	R-40AC4	Left 45 degree ventral-right dorsal oblique	Le45V-RtDO	LE45V_RTDO
SRT	R-10232	Left-right lateral	LeRtL	LERTL
SRT	R-10224	Mediolateral	ML	ML
SRT	R-40AF8	Palmaromedial-dorsolateral	PaM-DLO	PAM_DLO
SRT	R-40AF6	Palmar 45 degree medial-dorsolateral	Pa45M-DLO	PA45M_DLO
SRT	R-40AEE	Palmaroproximal-dorsodistal oblique	PaPr-DdiO	PAPR_DDIO
SRT	R-40ABC	Palmar 75 degree proximal-dorsodistal oblique	Pa75Pr-DdiO	PA75PR_DDIO
SRT	R-40AE9	Plantarolateral-dorsomedial oblique	PlL-DMO	PLL_DMO
SRT	R-40AEF	Plantar 60 degree lateral-dorsomedial oblique	Pl60L-DMO	PL60L_DMO
SRT	R-40AD6	Plantaroproximal-dorsodistal oblique	PlPr-DdiO	PLPR_DDIO
SRT	R-40AC8	Plantar 75 degree proximal-dorsodistal oblique	Pl75Pr-DdiO	PL75PR_DDIO
SRT	R-40AD7	Proximo-distal	PrDi	PRDI
SRT	R-40ADA	Right caudal-left rostral oblique	RtCd-LeRO	RTCD_LERO

SRT	R-40ACA	Right 30 degree caudal-left rostral oblique	Rt30Cd-LeRO	RT30CD_LERO
SRT	R-40ACC	Right dorsal-left ventral oblique	RtD-LeVO	RTD_LEVO
SRT	R-40AD8	Right 20 degree dorsal-left ventral oblique	Rt20D-LeVO	RT20D_LEVO
SRT	R-40AEB	Right 45 degree dorsal-left ventral oblique	Rt45D-LeVO	RT45D_LEVO
SRT	R-40AFD	Right rostral-left caudal oblique	RtR-LeCdO	RTR_LECDO
SRT	R-40AF9	Right 20 degree rostral-left caudal oblique	Rt20R-LeCdO	RT20R_LECDO
SRT	R-40AC0	Right ventral-left dorsal oblique	RtV-LeDO	RTV_LEDO
SRT	R-40AD1	Right 20 degree ventral-left dorsal oblique	Rt20V-LeDO	RT20V_LEDO
SRT	R-40AD9	Right 45 degree ventral-left dorsal oblique	Rt45V-LeDO	RT45V_LEDO
SRT	R-10236	Right-left lateral	RtLeL	RTLEL
SRT	R-40AF0	Rostrocaudal	RCd	RCD
SRT	R-40ADF	Rostrodorsal-caudoventral oblique	RD-CdVO	RD_CDVO
SRT	R-40AF3	Rostral 20 degree dorsal-caudoventral oblique	R20D-CdVO	R20D_CDVO
SRT	R-40AB7	Rostroventral-caudodorsal	RV-CdDO	RV_CDDO
SRT	R-40AB9	Rostral 30 degree ventral-caudodorsal	R30V-CdDO	R30V_CDDO
SRT	R-40ABB	Ventral left-dorsal right oblique	VLe-DrtO	VLE_DRTO
SRT	R-40ABA	Ventral 30 degree left-dorsal right oblique	V30Le-DrtO	V30LE_DRTO
SRT	R-40AF4	Ventral right-dorsal left oblique	VRt-DleO	VRT_DLEO
SRT	R-40AB8	Ventral 30 degree right-dorsal left oblique	V30Rt-DleO	V30RT_DLEO
SRT	R-40AB0	Ventro-dorsal	VD	VD
SRT	R-40AF7	Ventrorostral-dorsocaudal oblique	VR-DCdO	VR_DCDO
SRT	R-40AF1	Ventral 20 degree rostral-dorsocaudal oblique	V20R-DCdO	V20R_DCDO

Notes: 1. The Smallwood et al equivalent may also be used as the Code Meaning (0008,0104) (i.e., as a synonym) in place of the full text described here, and as the value for View Name (0008,2127), if sent.

2. The Defined Terms for View Position are derived from the Smallwood et al equivalent by capitalizing and replacing hyphens with underscores.

CID 7486 Mixed Breeds

Context ID 7486
Mixed Breeds

Type: Extensible Version: 20080324

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	L-80A74	Mixed breed cat
SRT	L-80217	Mixed breed goat
SRT	L-809DF	Mixed breed dog
SRT	L-8A10F	Mixed breed horse
SRT	L-8C33A	Mixed breed sheep
SRT	L-93791	Mixed breed chicken
SRT	L-8B947	Mixed breed cattle
SRT	L-8B103	Mixed breed pig

CID 8101 Container Types

Context ID 8101
Container Types

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	A-0101E	Tissue cassette
SRT	A-01022A-01022	Tissue microarray cassette
SRT	A-01024	Specimen vial
SRT	A-0101B	Microscope slide
SRT	A-01023	Specimen container
SRT	A-01021	Electron microscopy grid
SRT	A-01025	Specimen well

CID 8102 Container Component Types

Context ID 8102
Container Component Types

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
Include CID 8101 Container Types		
SRT	A-0101D	Microscope slide cover slip
SRT	F-62219	Microscope slide mounting media
SRT	A-0101F	Specimen container lid

CID 8103 Anatomic Pathology Specimen Types

Context ID 8103
Anatomic Pathology Specimen Types

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-D0010	Entire body
SRT	G-80A5	Body substance sample
SRT	G-80A6	Body fluid sample
SRT	G-8300	Tissue specimen
SRT	G-843A	Gross specimen
SRT	G-8439	Tissue section
SRT	G-843B	Core sample of tissue block
SRT	G-843C	Tissue spot
SRT	G-81EA	Slide
SRT	G-803C	Smear sample
SRT	T-1A404	Touch preparation cytologic material
SRT	T-1A403	Liquid based cytologic material
SRT	G-8003	Aspirate
SRT	G-81A0	Genetic sample
Include CID 8104 Breast Tissue Specimen Types		

CID 8104 Breast Tissue Specimen Types

Context ID 8104
Breast Tissue Specimen Types

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-8346	breast duct sample
SRT	G-8339	frozen section breast sample
SRT	G-833D	lumpectomy breast sample
SRT	G-8430	specimen from breast obtained by excision
SRT	G-8311	specimen from breast obtained by total mastectomy
SRT	G-833F	segmentectomy breast sample
SRT	G-832D	breast tru-cut biopsy sample
SRT	G-8318	specimen from breast obtained by core needle biopsy
SRT	G-8319	specimen from breast, stereotactically guided core needle biopsy
SRT	G-831B	specimen from breast by incisional biopsy of breast mass

SRT	R-003AC	specimen from breast obtained by image guided core biopsy

CID 8109 Specimen Collection Procedure

Context ID 8109
Specimen Collection Procedure

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	P1-03130	Aspiration
SRT	P1-03100	Biopsy
SRT	P1-03000	Excision
SRT	P1-03000	Resection
SRT	P1-0D300	Harvesting of tissue
SRT	P1-03021	Removal of device
SRT	P1-38200	Venipuncture
SRT	P0-00593	Taking of swab
SRT	P3-02000	Specimen collection
SRT	P1-03154	Scraping

CID 8110 Specimen Sampling Procedure

Context ID 8110
Specimen Sampling Procedure

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	P1-01003	Dissection
DCM	111726	Dissection with entire specimen submission
DCM	111727	Dissection with representative sections submission
SRT	P3-40011	Core sampling
SRT	P3-4000D	Block sectioning
SRT	P3-40004	Laser microdissection
SRT	P3-4000E	Block surface recut
SRT	P3-4000F	Block step sectioning
SRT	P3-4500A	Touch preparation (procedure)
SRT	P3-00048	Smear procedure

CID 8111 Specimen Preparation Procedure

Context ID 8111
Specimen Preparation Procedure

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning	HL7 v3 ActClass equivalent
SRT	P3-02000	Specimen collection	SPECCOLLECT
SRT	P3-05013	Specimen receiving	CONTREG
SRT	P3-4000A	Sampling of tissue specimen	PROC
SRT	P3-00003	Staining	SPCTRT
SRT	P3-05000	Specimen processing	SPCTRT
DCM	111729	Specimen storage	STORE

CID 8112 Specimen Stains

Context ID 8112
Specimen Stains

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	C-22860	acid fast stain
SRT	C-2280A	acid phosphatase stain
SRT	C-2280B	Albert's stain
SRT	C-22963	alcian blue 8GX stain
SRT	C-2288B	alcian blue stain
SRT	C-22932	alcohol soluble nigrosine stain
SRT	C-2286D	aldehyde fuchsin stain
SRT	C-22961	alizarin blue S stain
SRT	C-22959	alizarin cyanine green stain
SRT	C-22953	alizarin red S stain
SRT	C-22813	alizarin yellow GG stain
SRT	C-22814	alizarin yellow R stain
SRT	C-2285B	alkaline phosphatase stain
SRT	C-2287E	aniline blue stain
SRT	C-2280C	auramine stain
SRT	C-22873	azo black stain
SRT	C-22929	azocarmine G (GX) stain
SRT	C-22842	azophloxin stain
SRT	C-22831	azorubin S stain
SRT	C-22945	azure A stain
SRT	C-22946	azure B stain
SRT	C-22944	azure C stain

SRT	C-2286E	bauer's chromic acid leucofuchsin stain
SRT	C-22872	benzo fast scarlet stain
SRT	C-2280D	beta-glucuronidase stain
SRT	C-22866	biebrich scarlet stain
SRT	C-22848	bismark brown R stain
SRT	C-22848	bismark brown Y stain
SRT	C-22921	blue shade eosin stain
SRT	C-22965	brazilin stain
SRT	C-22934	brilliant cresyl blue stain
SRT	C-22869	brilliant crocein stain
SRT	C-22865	brilliant orange stain
SRT	C-22857	brilliant yellow stain
SRT	C-2283C	butyrate esterase stain
SRT	C-2286B	carbol fuchsin stain
SRT	C-22971	carmine stain
SRT	C-22972	carminic acid stain
SRT	C-22822	carmoisine A stain
SRT	C-22936	celestine blue B stain
SRT	C-2280E	chloroacetate esterase stain
SRT	C-2287B	chromic acid stain
SRT	C-22838	chromotrope 2R stain
SRT	C-22806	chrysoidine R stain
SRT	C-22805	chrysoidine Y stain
SRT	C-22973	cochineal stain
SRT	C-22837	colloidal iron stain
SRT	C-22851	Congo red stain
SRT	C-22847	cresyl echt violet stain
SRT	C-22840	cresyl violet stain
SRT	C-22833	crystal ponceau stain
SRT	C-2283D	crystal violet stain
SRT	C-22966	curcumin stain
SRT	C-22826	diamond black stain
SRT	C-22871	durazol red stain
SRT	C-22852	erie garnet stain
SRT	C-22839	eriochrome blue black SE stain
SRT	C-22924	erythrosin B stain
SRT	C-22923	erythrosin Y stain
SRT	C-22854	Evans blue stain
SRT	C-22883	fast blue B salt stain
SRT	C-22881	fast blue BB salt stain
SRT	C-22878	fast blue RR salt stain

SRT	C-22882	fast garnet GBC salt stain
SRT	C-22886	fast green FCF stain
SRT	C-22876	fast red B salt stain
SRT	C-22877	fast red ITR stain
SRT	C-22875	fast red TR salt stain
SRT	C-22867	fast sulfon black F stain
SRT	C-22879	fast violet B salt stain
SRT	C-22859	fat red 7B stain
SRT	C-2280F	Feulgen reaction stain
SRT	C-22810	field's stain
SRT	C-22816	Flagellar stain
SRT	C-22A00	fluorescent stain
SRT	C-2286C	fouchet stain
SRT	C-22902	fuchsin acid stain
SRT	C-22889	fuchsin basic stain
SRT	C-22935	gallocyanine stain
SRT	F-61968	giemsa stain
SRT	C-22830	gram stain
SRT	C-2286F	hansel stain
SRT	C-22967	hematein stain
SRT	C-22968	hematoxylin stain
SRT	C-22817	immunofluorescent stain
SRT	C-2285C	India ink stain
SRT	C-22962	indigo carmine stain
SRT	C-22927	indophenol from naphthol stain
SRT	C-22974	insoluble berlin blue stain
SRT	C-22804	janus green B stain
SRT	C-22818	Jenner-Giemsa stain
SRT	C-22899	kenacid blue R stain
SRT	C-22942	lacmoid stain
SRT	C-22819	Leishman stain
SRT	C-22887	light green SF stain
SRT	C-22841	lissamine fast red B stain
SRT	C-22843	lissamine fast yellow stain
SRT	C-22914	lissamine green B stain
SRT	C-22917	lissamine rhodamine stain
SRT	C-2283F	luxol fast blue stain
SRT	C-22890	malachite green stain
SRT	C-2283A	Mallory bleach stain
SRT	C-22802	martius yellow stain
SRT	C-2281A	may-Grunwald giemsa stain

SRT	C-22937	meldola blue stain
SRT	C-22811	metanil yellow stain
SRT	C-22907	methyl blue stain
SRT	C-2281B	methyl green pyronin stain
SRT	C-22809	methyl orange stain
SRT	C-22808	methyl red stain
SRT	C-2287C	methyl violet stain
SRT	C-22947	methylene blue stain
SRT	C-2284A	methylene violet stain
SRT	C-22952	methylene violet stain (Bernthsen)
SRT	C-2287F	modified trichrome stain
SRT	C-2284B	mucicarmine stain
SRT	C-2281C	myeloperoxidase stain
SRT	C-22846	naphthalene black 12B stain
SRT	C-22801	naphthol green B stain
SRT	C-22803	naphthol yellow S stain
SRT	C-2285D	naphthol-AS-D-chloracetate esterase stain
SRT	C-22928	neutral red stain
SRT	C-2281D	neutrophil alkaline phosphatase stain
SRT	C-22891	new fuchsin stain
SRT	C-2284C	night blue stain
SRT	C-22941	nile blue stain
SRT	C-22823	nitrazine yellow stain
SRT	C-2281E	nonspecific esterase stain
SRT	C-22955	nuclear fast red stain
SRT	C-22863	oil red O stain
SRT	C-22832	orange G stain
SRT	C-22824	orange II stain
SRT	C-2284D	orcein stain
SRT	C-22901	page blue 83 stain
SRT	C-22989	page blue G-90 stain
SRT	C-22885	patent blue V sodium salt stain
SRT	C-2281F	periodic acid Schiff stain
SRT	R-F748A	permethrin stain
SRT	C-2285E	peroxidase stain
SRT	C-22922	phloxin B stain
SRT	C-2284E	phosphotungstic acid-hematoxylin stain
SRT	C-22829	ponceau 3R stain
SRT	C-22868	ponceau S stain
SRT	C-22828	ponceau xylidine stain
SRT	C-22855	pontamine sky blue 5BX stain

SRT	C-22856	pontamine sky blue 6BX stain
SRT	C-22870	potassium hydroxide stain
SRT	C-22956	procion brilliant blue MRS stain
SRT	C-2288A	protargol S stain
SRT	C-22820	Prussian blue stain
SRT	C-2284F	quinacrine fluorescent stain
SRT	C-2286A	rhodamine stain
SRT	C-2282A	Romanowsky stain
SRT	C-22925	rose bengal stain
SRT	C-22908	rosolic acid sodium salt stain
SRT	C-22964	saffron stain
SRT	F-61DA5	safranin stain
SRT	C-22931	safranine O stain
SRT	C-2287A	silver nitrate stain
SRT	C-22836	silver stain
SRT	C-22874	sirius red F3B stain
SRT	C-22912	solochrome azurine (BS) stain
SRT	C-22821	solochrome black 6B stain
SRT	C-22909	solochrome cyanine R stain
SRT	C-22825	solochrome dark blue stain
SRT	C-22975	soluble berlin blue stain
SRT	C-22906	spirit soluble aniline blue stain
SRT	C-22920	spirit soluble eosin stain
SRT	C-2282B	spore stain
SRT	C-2282D	Sudan stain
SRT	C-22827	sunset yellow FCF stain
SRT	C-2285A	tartrate resistant acid phosphatase
SRT	C-22844	tartrazine stain
SRT	C-2285F	terminal deoxynucleotidyl transferase stain
SRT	C-2288D	thioflavine S stain
SRT	C-22926	thioflavine T stain
SRT	C-22850	thionin stain
SRT	C-22943	thionine stain
SRT	C-22845	titan yellow stain
SRT	C-2287D	trichrome stain
SRT	C-22815	tropaeolin O stain
SRT	C-22812	tropaeolin OO stain
SRT	C-22853	trypan blue stain
SRT	C-2283E	Van Gieson stain
SRT	C-22880	verhoeff's hematoxylin stain
SRT	C-22858	vital new red stain

SRT	C-22904	water soluble aniline blue stain
SRT	C-22954	water soluble anthracene brown stain
SRT	C-22933	water soluble nigrosine stain
SRT	C-22957	waxoline blue stain
SRT	F-61E5A	wayson stain
SRT	F-619B7	wright stain
SRT	C-22888	xylene cyanol FF stain
SRT	C-2282C	Ziehl-Neelsen stain
SRT	C-22A08	acridine orange stain
SRT	C-22A07	acriflavine stain
SRT	C-22A03	atebrin FS stain
SRT	C-22A02	auramine G stain
SRT	C-22A01	auramine O stain
SRT	C-22A11	coriphosphine stain
SRT	C-22A05	fluorescein stain
SRT	C-22AA1	fluorexon stain
SRT	C-22A04	rhodamine B stain
SRT	C-22A06	Fluorescein sodium stain
SRT	C-22864	Sudan black B stain
SRT	C-2282E	Sudan black stain
SRT	C-22958	Sudan blue stain
SRT	C-22807	Sudan II stain
SRT	C-22861	Sudan III stain
SRT	C-22862	Sudan IV stain
SRT	C-22903	alkali blue 5B (4B) stain
SRT	C-22905	alkali blue 6B stain
SRT	C-22911	chrome azurol S stain
SRT	C-22918	dibromofluorescein stain
SRT	C-22897	ethyl violet stain
SRT	C-22896	methyl green stain
SRT	C-22892	methyl violet 2B stain
SRT	C-22894	methyl violet 6B stain
SRT	C-22916	pyronine B stain
SRT	C-22915	pyronine G stain
SRT	C-22951	toluidine blue stain
SRT	C-22895	victoria blue 4R stain
SRT	C-22913	victoria blue B stain
SRT	C-22919	water soluble eosin stain

CID 8113 Specimen Preparation Steps

Context ID 8113
Specimen Preparation Steps

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	P3-40005	Specimen microwave heating
SRT	P3-40009	Specimen steam heating
SRT	P3-40006	Protease digestion of tissue specimen
SRT	P3-4000B	Specimen dehydration
SRT	P3-05050	Specimen freezing
SRT	P3-40003	Specimen clearing

CID 8114 Specimen Fixatives

Context ID 8114
Specimen Fixatives

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	C-2141C	Neutral Buffered Formalin
SRT	F-62235	Bouin's fluid
SRT	C-2141B	Formalin aqueous solution of formaldehyde
SRT	F-62231	Carnoy's fluid
SRT	F-62238	Formol sublimate
SRT	F-62233	Helly's fluid
SRT	F-6220F	Michel's medium
SRT	F-62234	Zenker's fluid
SRT	C-21403	Paraformaldehyde
SRT	C-21624	Acetic acid
SRT	C-20830	Chloroform
SRT	C-12916	Chromium trioxide
SRT	C-21047	Ethanol
SRT	C-21402	Formaldehyde
SRT	C-13321	Mercuric chloride
SRT	C-2102B	Methanol
SRT	C-15211	Osmium tetroxide
SRT	C-21919	Picric acid
SRT	C-13518	Potassium dichromate

CID 8115 Specimen Embedding Media

Context ID 8115
Specimen Embedding Media

Type: Extensible Version: 20080626

Coding Scheme Designator	Code Value	Code Meaning
SRT	F-616D8	Paraffin wax
SRT	F-62232	Tissue freezing medium
SRT	C-2A000	Plastic
SRT	C-84085	Agar
SRT	C-2A400	Epoxy resin
SRT	C-100EA	Acrylic resin

CID 9231 General Purpose Workitem Definition

Context ID 9231
General Purpose Workitem Definition

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110001	Image Processing
DCM	110002	Quality Control
DCM	110003	Computer Aided Diagnosis
DCM	110004	Computer Aided Detection
DCM	110005	Interpretation
DCM	110006	Transcription
DCM	110007	Report Verification
DCM	110008	Print
DCM	110009	No subsequent Workitems
DCM	110013	Media Import

CID 9232 Non-DICOM Output Types

Context ID 9232
Non-DICOM Output Types

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110010	Film
DCM	110011	Dictation
DCM	110012	Transcription

CID 9300 Procedure Discontinuation Reasons

Context ID 9300
Procedure Discontinuation Reasons
Type: Extensible Version: 20090616

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 9301 Modality PPS Discontinuation Reasons		
Include CID 9302 Media Import PPS Discontinuation Reasons		

CID 9301 Modality PPS Discontinuation Reasons

Context ID 9301
Modality PPS Discontinuation Reasons
Type: Extensible Version: 20090616

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110500	Doctor cancelled procedure
DCM	110501	Equipment failure
DCM	110502	Incorrect procedure ordered
DCM	110503	Patient allergic to media/contrast
DCM	110504	Patient died
DCM	110505	Patient refused to continue procedure
DCM	110506	Patient taken for treatment or surgery
DCM	110507	Patient did not arrive
DCM	110508	Patient pregnant
DCM	110509	Change of procedure for correct charging
DCM	110510	Duplicate order
DCM	110511	Nursing unit cancel
DCM	110512	Incorrect side ordered
DCM	110513	Discontinued for unspecified reason
DCM	110514	Incorrect worklist entry selected
DCM	110515	Patient condition prevented continuing
DCM	110516	Equipment change

CID 9302 Media Import PPS Discontinuation Reasons

Context ID 9302
Media Import PPS Discontinuation Reasons
Type: Extensible Version: 20090616

DCM	110521	Objects incorrectly formatted
DCM	110522	Object Types not supported
DCM	110523	Object Set incomplete
DCM	110524	Media Failure

DCM	110501	Equipment failure
DCM	110510	Duplicate order
DCM	110513	Discontinued for unspecified reason
DCM	110514	Incorrect worklist entry selected

CID 10000 Scope of Accumulation

Context ID 10000
Scope of Accumulation

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113014	Study
DCM	113015	Series
DCM	113016	Performed Procedure Step
DCM	113852	Irradiation Event

CID 10001 UID Types

Context ID 10001
UID Types

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	110180	Study Instance UID
DCM	112002	Series Instance UID
DCM	121126	Performed Procedure Step SOP Instance UID
DCM	113853	Irradiation Event UID

CID 10002 Irradiation Event Types

Context ID 10002
Irradiation Event Types

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P5-06000	Fluoroscopy
DCM	113611	Stationary Acquisition
DCM	113612	Stepping Acquisition

DCM	113613	Rotational Acquisition

CID 10003 Equipment Plane Identification

Context ID 10003
Equipment Plane Identification

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113620	Plane A
DCM	113621	Plane B
DCM	113622	Single Plane
DCM	113890	All Planes

CID 10004 Fluoro Modes

Context ID 10004
Fluoro Modes

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113630	Continuous
DCM	113631	Pulsed

CID 10006 X-Ray Filter Materials

Context ID 10006
X-Ray Filter Materials

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-150F9	Molybdenum or Molybdenum compound
SRT	C-120F9	Aluminum or Aluminum compound
SRT	C-127F9	Copper or Copper compound
SRT	C-167F9	Rhodium or Rhodium compound
SRT	C-1190E	Niobium or Niobium compound
SRT	C-1190F	Europium or Europium compound
SRT	C-132F9	Lead or Lead compound
SRT	C-156F9	Tantalum or Tantalum compound

SRT	C-137F9	Silver or Silver compound

CID 10007 X-Ray Filter Types

Context ID 10007
X-Ray Filter Types

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113650	Strip filter
DCM	113651	Wedge filter
DCM	113652	Butterfly filter
DCM	111609	No Filter

CID 10008 Dose Related Distance Measurements

Context ID 10008
Dose Related Distance Measurements

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113748	Distance Source to Isocenter
DCM	113737	Distance Source to Reference Point
DCM	113750	Distance Source to Detector
DCM	113751	Table Longitudinal Position
DCM	113752	Table Lateral Position
DCM	113753	Table Height Position
DCM	113792	Distance Source to Table Plane

CID 10009 Measured/Calculated

Context ID 10009
Measured/Calculated

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-41D41	Measured
SRT	R-41D2D	Calculated

SRT	R-10260	Estimated

CID 10010 Dose Measurement Devices

Context ID 10010
Dose Measurement Devices

Type: Extensible Version: 20051101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	A-2C090	Dosimeter

CID 10011 Effective Dose Evaluation Method

Context ID 10011
Effective Dose Evaluation Method

Type: Extensible Version: 20071031

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113800	DLP to E conversion via MC computation
DCM	113801	CTDIfreeair to E conversion via MC computation
DCM	113802	DLP to E conversion via measurement
DCM	113803	CTDIfreeair to E conversion via measurement

CID 10013 CT Acquisition Type

Context ID 10013
CT Acquisition Type

Type: Extensible Version: 20071031

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113804	Sequenced Acquisition
SRT	P5-08001	Spiral Acquisition
DCM	113805	Constant Angle Acquisition
DCM	113806	Stationary Acquisition
DCM	113807	Free Acquisition

CID 10014 Contrast Imaging Technique

Context ID 10014
Contrast Imaging Technique

Type: Extensible Version: 20071031

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P5-00100	Diagnostic radiography with contrast media
SRT	P5-0808E	CT without contrast

CID 10015 CT Dose Reference Authorities

Context ID 10015
CT Dose Reference Authorities

Type: Extensible Version: 20081027

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113808	ICRP Pub 60
DCM	113841	ICRP Pub 103

CID 10016 Anode Target Material

Context ID 10016
Anode Target Material

Type: Extensible Version: 20070827

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	C-150F9	Molybdenum or Molybdenum compound
SRT	C-167F9	Rhodium or Rhodium compound
SRT	C-164F9	Tungsten or Tungsten compound

CID 10017 X-Ray Grid

Context ID 10017
X-Ray Grid

Type: Extensible Version: 20070827

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	111641	Fixed grid
DCM	111642	Focused grid
DCM	111643	Reciprocating grid
DCM	111644	Parallel grid

DCM	111645	Crossed grid
DCM	111646	No grid

CID 10020 Source of Projection X-Ray Dose Information

Context ID 10020
Source of Projection X-Ray Dose Information

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113856	Automated Data Collection
DCM	113857	Manual Entry
DCM	113858	MPPS Content
SRT	A-2C090	Dosimeter

CID 10021 Source of CT Dose Information

Context ID 10021
Source of CT Dose Information

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113856	Automated Data Collection
DCM	113857	Manual Entry

CID 10025 Radiation Dose Reference Points

Context ID 10025
Radiation Dose Reference Points

Type: Extensible Version: 20081028

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113860	15cm from Isocenter toward Source
DCM	113861	30cm in Front of Image Input Surface
DCM	113862	1cm above Tabletop
DCM	113863	30cm above Tabletop
DCM	113864	15cm from Table Centerline
DCM	113865	Entrance exposure to a 4.2 cm breast thickness

CID 12001 Ultrasound Protocol Types

Context ID 12001
Ultrasound Protocol Types

Type: Extensible Version: 20081027

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	P5-B3000	Echocardiography
SRT	P5-B3002	Transesophageal echocardiography
SRT	P5-B3012	Transthoracic echocardiography
SRT	P0-05F95	Epicardial echocardiography
SRT	P5-B3005	Intravascular echocardiography
SRT	P5-B3006	Intracardiac echocardiography
SRT	P5-B3050	Exercise stress echocardiography
SRT	P5-B300F	Pediatric echocardiography
SRT	P5-B300C	Intraoperative echocardiography
SRT	P5-B3090	Contrast echocardiography
SRT	P5-B8215	Fetal echocardiography

Include CID 3261 Stress Protocols

Note: In a prior version of this context group, Transthoracic echocardiography was assigned the code P5-B3003 and Epicardial echocardiography was assigned the code P5-B3004; these codes conflict with other SNOMED code assignments. In addition, the prior version used many codes that are not actually in SNOMED. Receiving applications should be aware of this change, and the possibility of misinterpretation of SOP Instances that may include the deprecated codes; see Annex J.

CID 12002 Ultrasound Protocol Stage Types

Context ID 12002
Ultrasound Protocol Stage Types

Type: Extensible Version: 20081027

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
Include CID 3207 Stress Test Procedure Phases		
Include CID12102 Temporal Periods Relating to Procedure or Therapy		
SRT	P2-35000	Cardiac pacing
SRT	P2-71306	Hand grip
SRT	R-40928	Valsalva

Note: A prior version of this context group used many codes that are not actually in SNOMED. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 12003 OB-GYN Dates

Context ID 12003

OB-GYN DATES

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11778-8	EDD
LN	11779-6	EDD from LMP
LN	11781-2	EDD from average ultrasound age
LN	11780-4	EDD from ovulation date
LN	11955-2	LMP
LN	33066-2	Estimated LMP by EDD
LN	11976-8	Ovulation date
LN	33067-0	Conception Date

CID 12004 Fetal Biometry Ratios

Context ID 12004

Fetal Biometry Ratios

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11947-9	HC/AC

LN	11871-1	FL/AC
LN	11872-9	FL/BPD
LN	11823-2	Cephalic Index
LN	11873-7	FL/HC

CID 12005 Fetal Biometry Measurements

Context ID 12005

Fetal Biometry Measurements

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11979-2	Abdominal Circumference
LN	11818-2	Anterior-Posterior Abdominal Diameter
LN	11819-0	Anterior-Posterior Trunk Diameter
LN	11820-8	Biparietal Diameter
LN	11824-0	BPD area corrected
LN	11860-4	Cisterna Magna
LN	11963-6	Femur Length
LN	11965-1	Foot length
LN	11984-2	Head Circumference
LN	11851-3	Occipital-Frontal Diameter
LN	11988-3	Thoracic Circumference
LN	33068-8	Thoracic Area
LN	11862-0	Tranverse Abdominal Diameter
LN	11863-8	Trans Cerebellar Diameter
LN	11864-6	Transverse Thoracic Diameter
LN	11853-9	Left Kidney thickness
LN	11834-9	Left Kidney length
LN	11825-7	Left Kidney width
LN	11855-4	Right Kidney thickness
LN	11836-4	Right Kidney length
LN	11827-3	Right Kidney width
LN	33191-8	APAD * TAD

CID 12006 Fetal Long Bones Biometry Measurements

Context ID 12006

Fetal Long Bones Measurements

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)

LN	11966-9	Humerus length
LN	11967-7	Radius length
LN	11969-3	Ulna length
LN	11968-5	Tibia length
LN	11964-4	Fibula length
LN	11962-8	Clavicle length
LN	11963-6	Femur Length

CID 12007 Fetal Cranium

Context ID 12007

Fetal Cranium

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	12171-5	Lateral Ventrical width
LN	11860-4	Cisterna Magna length
LN	12146-7	Nuchal Fold thickness
LN	33070-4	Inner Orbital Diameter
LN	11629-3	Outer Orbital Diameter
LN	11863-8	Trans Cerebellar Diameter
LN	33069-6	Nuchal Translucency
LN	33197-5	Anterior Horn Lateral ventricular width
LN	33196-7	Posterior Horn Lateral ventricular width
LN	12170-7	Width of Hemisphere

CID 12008 OB-GYN Amniotic Sac

Context ID 12008

OB-GYN Amniotic Sac

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11624-4	First Quadrant Diameter
LN	11626-9	Second Quadrant Diameter
LN	11625-1	Third Quadrant Diameter
LN	11623-6	Fourth Quadrant Diameter
SRT	M-02550	Diameter

CID 12009 Early Gestation Biometry Measurements

Context ID 12009

Early Gestation Biometry Measurements

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11957-8	Crown Rump Length
LN	11850-5	Gestational Sac Diameter
LN	33071-2	Spine Length
LN	11816-6	Yolk Sac length
LN	33069-6	Nuchal Translucency

CID 12011 Ultrasound Pelvis and Uterus

Context ID 12011

Ultrasound Pelvis and Uterus

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11961-0	Cervix Length
LN	12145-9	Endometrium Thickness

CID 12012 OB Equations and Tables

Context ID 12012

OB Equations and Tables

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12013 Gestational Age Equations and Tables		
INCLUDE CID 12014 OB Fetal Body Weight Equations and Tables		
INCLUDE CID 12015 Fetal Growth Equations and Tables		
INCLUDE CID 12016 Estimated Fetal Weight Percentile Equations and Tables		

CID 12013 Gestational Age Equations and Tables

These terms define a functional relationship of the gestational age from a biometric measurement.

Context Group 12013

Gestational Age Equations and Tables

Type: Extensible Version: 20061024

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11885-1	Gestational Age by LMP
LN	11884-4	Average Ultrasound Age
LN	33072-0	AC, ASUM 2000
LN	11889-3	AC, Campbell 1975
LN	11892-7	AC, Hadlock 1984
LN	33073-8	AC, Hansmann1985
LN	33537-2	AC, Jeanty 1982
LN	11893-5	AC, Jeanty 1984
LN	33074-6	AC, Lessoway 1998
LN	33075-3	AC, Mertz 1988
LN	33076-1	AC, Shinozuka 1996
LN	33077-9	A-P Abdominal Diameter, Lessoway 1998
LN	33078-7	AxT, Shinozuka 1996
LN	33079-5	BPD, ASUM 1989
LN	11900-8	BPD, Doubilet 1993
LN	11902-4	BPD, Hadlock 1984
LN	11903-2	BPD, Hansmann 1985
LN	33538-0	BPD, Hansmann 1986
LN	33539-8	BPD, Jeanty 1982
LN	11905-7	BPD, Jeanty 1984
LN	11906-5	BPD, Kurtz 1980
LN	33080-3	BPD, Lessoway 1998
LN	33081-1	BPD, Mertz 1988
LN	33082-9	BPD, Osaka 1989
LN	33083-7	BPD, Rempen 1991
LN	11907-3	BPD, Sabbagha 1978
LN	33084-5	BPD, Shinozuka 1996
LN	33085-2	BPD, Tokyo 1986
LN	11901-6	BPDa, Hadlock 1982
LN	33086-0	BPD-oi, Chitty 1997
LN	33087-8	BPD-oo, Chitty 1997
LN	33088-6	Clavical length,Yarkoni 1985
LN	33089-4	CRL, ASUM 1991
LN	33090-2	CRL, ASUM 2000
LN	33091-0	CRL, Daya 1993
LN	11910-7	CRL, Hadlock 1992
LN	11911-5	CRL, Hansmann 1985
LN	33540-6	CRL, Hansmann 1986
LN	33092-8	CRL, Jeanty 1982

LN	11917-2	CRL, Jeanty 1984
LN	11913-1	CRL, Nelson 1981
LN	33093-6	CRL, Osaka 1989
LN	33094-4	CRL, Rempen 1991
LN	11914-9	CRL, Robinson 1975
LN	33095-1	CRL, Shinozuka 1996
LN	33096-9	CRL, Tokyo 1986
LN	33097-7	Fibula, Jeanty 1983
LN	11918-0	Fibula, Merz 1987
LN	33098-5	FL, Chitty 1997
LN	11920-6	FL, Hadlock 1984
LN	11921-4	FL, Hansmann 1985
LN	33541-4	FL, Hansmann 1986
LN	11922-2	FL, Hohler 1982
LN	33099-3	FL, Jeanty 1982
LN	11923-0	FL, Jeanty 1984
LN	33100-9	FL, Lessoway 1998
LN	11924-8	FL, Merz 1987
LN	33542-2	FL, Merz 1988
LN	33101-7	FL, Osaka 1989
LN	33102-5	FL, Shinozuka 1996
LN	33103-3	FL, Tokyo 1986
LN	11926-3	Foot Length, Mercer 1987
LN	33104-1	GS, Daya 1991
LN	33105-8	GS, Hansmann 1979
LN	33106-6	GS, Hansmann 1982
LN	11928-9	GS, Hellman 1969
LN	33107-4	GS, Nyberg 1992
LN	11929-7	GS, Rempen 1991
LN	33108-2	GS, Tokyo 1986
LN	33109-0	HC, ASUM 2000
LN	33110-8	HC measured, Chitty 1997
LN	33111-6	HC derived, Chitty 1997
LN	11932-1	HC, Hadlock 1984
LN	33112-4	HC, Hansmann 1985
LN	33543-0	HC, Hansmann 1986
LN	33113-2	HC, Jeanty 1982
LN	11934-7	HC, Jeanty 1984
LN	33114-0	HC, Lessoway 1998
LN	33115-7	HC Merz, 1988
LN	33116-5	Humerus Length, ASUM 2000
LN	11936-2	Humerus, Jeanty 1984
LN	11937-0	Humerus, Merz 1987
LN	33117-3	Humerus Length, Osaka 1989

LN	33118-1	Length of Vertebra, Tokyo 1986
LN	33119-9	OFD, ASUM 2000
LN	33544-8	OFD, Hansmann 1985
LN	33120-7	OFD, Hansmann 1986
LN	33121-5	OFD, Lessoway 1998
LN	33122-3	IOD, Mayden 1982
LN	33123-1	IOD, Trout 1994
LN	33545-5	BD, Jeanty 1982
LN	33124-9	OOD, Mayden, 1982
LN	33125-6	OOD, Trout 1994
LN	33126-4	Radius, Jeanty 1983
LN	11939-6	Radius, Merz 1987
LN	33127-2	Spine Length, Tokyo, 1989
LN	11941-2	Tibia, Jeanty 1984
LN	33128-0	TAD, Eriksen 1985
LN	33129-8	TAD Hansmann, 1979
LN	33130-6	TAD, Tokyo 1986
LN	33131-4	ThC, Chitkara 1987
LN	33132-2	TCD, Chitty 1994
LN	33133-0	TCD, Goldstein 1987
LN	33134-8	TCD, Hill 1990
LN	33135-5	TCD, Nimrod 1986
LN	33136-3	Transverse Thoracic Diameter, Hansmann 1985
LN	33137-1	Transverse Thoracic Diameter, Lessoway 1998
LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989
LN	11944-6	Ulna, Jeanty 1984
LN	11945-3	Ulna, Merz 1987

CID 12014 OB Fetal Body Weight Equations and Tables

These terms define a functional relationship to estimated fetal body mass from a biometric measurement.

Context ID 12014

OB Fetal Body Weight Equations and Tables

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11756-4	EFW by AC, Campbell 1975
LN	11738-2	EFW by AC, BPD, Hadlock 1984
LN	11734-1	EFW by AC, BPD, FL, Hadlock 1984
LN	11735-8	EFW by AC, BPD, FL, Hadlock 1985
LN	11732-5	EFW by AC, BPD, FL, HC, Hadlock 1985
LN	11750-7	EFW by AC, FL, Hadlock 1984

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11751-5	EFW by AC, FL, Hadlock 1985
LN	11746-5	EFW by AC, FL, HC, Hadlock 1985
LN	11754-9	EFW by AC, HC Hadlock 1984
LN	33139-7	EFW by BPD, TTD, Hansmann 1986
LN	11739-0	EFW by AC and BPD, Shepard 1982
LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990
LN	33141-3	EFW1 by Shinozuka 1996
LN	33142-1	EFW2 by Shinozuka 1996
LN	33143-9	EFW3 by Shinozuka 1996
LN	33144-7	EFW by BPD, APAD, TAD, FL, Tokyo 1987

CID 12015 Fetal Growth Equations and Tables

These terms specify biometric growth parameter of a population distribution as a function of gestational age. The term may also specify the population's distribution, and so enable calculating a percentile rank or Z-score relative to the distribution.

Context ID 12015

Fetal Growth Equations and Tables

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33145-4	AC by GA, ASUM 2000
LN	33146-2	AC by GA, Hadlock 1984
LN	33147-0	AC (measured) by GA, Chitty 1994
LN	33546-3	AC (derived) by GA, Chitty 1994
LN	33148-8	AC by GA, Merz 1988
LN	33149-6	AC by GA, Shinozuka 1996
LN	33150-4	AxT by GA, Shinozuka 1996
LN	33151-2	BPD by GA, ASUM 2000
LN	33198-3	BPD by GA, Hadlock 1984
LN	33556-2	BPD outer-inner by GA, Chitty 1994
LN	33152-0	BPD outer-outer by GA, Chitty 1994
LN	33153-8	BPD by GA, Jeanty 1982
LN	33154-6	BPD by GA, Merz 1988
LN	33155-3	BPD by GA, Rempen 1991
LN	33156-1	BPD by GA, Shinozuka 1996
LN	33157-9	Cephalic Index by GA, Chitty 1994
LN	33158-7	Cephalic Index by GA, Hadlock 1981
LN	33159-5	CRL by GA ASUM 2000
LN	33160-3	CRL by GA, Rempen1991
LN	33161-1	CRL by GA, Shinozuka 1996

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33162-9	EFW by GA, Hadlock 1991
LN	33163-7	EFW by GA, Hansmann 1986
LN	33164-5	Fibula by GA, Jeanty 1983
LN	33165-2	FL by GA, ASUM 2000
LN	33166-0	FL by GA, Hadlock 1984
LN	33167-8	FL by GA, Chitty 1994
LN	33168-6	FL by GA, Jeanty 1982
LN	33169-4	FL by GA, Merz 1988
LN	33170-2	FL by GA, Shinozuka 1996
LN	33171-0	GS by GA, Rempen 1991
LN	33172-8	HC by GA, ASUM 2000
LN	33173-6	HC by GA, Hadlock 1984
LN	33174-4	HC derived by GA, Chitty 1994
LN	33175-1	HC by GA, Jeanty 1982
LN	33176-9	HC by GA, Merz 1988
LN	33177-7	Humerus Length by GA, ASUM 2000
LN	33178-5	OFD by GA, ASUM 2000
LN	33179-3	OFD by GA, Chitty 1994
LN	33180-1	Radius by GA, Jeanty 1983
LN	33181-9	TCD by GA Goldstein 1987
LN	33182-7	HC/AC by GA, Campbell 1977

CID 12016 Estimated Fetal Weight Percentile Equations and Tables

These terms specify the population distribution for use in Z-score and percentile rank.

Context ID 12016

Estimated Fetal Weight Percentile Equations and Tables

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33183-5	FWP by GA, Hadlock 1991
LN	33184-3	FWP by GA, Williams, 1982
LN	33185-0	FWP by GA, Alexander, 1996
LN	33186-8	Male Singleton BWP by GA, Arbuckle 1993
LN	33187-6	Female Singleton BWP by GA, Arbuckle 1993
LN	33199-1	Male Twins BWP by GA, Arbuckle 1993
LN	33188-4	Female Twins BWP by GA, Arbuckle 1993
LN	33189-2	FWP by GA, Brenner 1976
LN	33190-0	FWP by MA, Hadlock 1985

CID 12017 Growth Distribution Rank

Context ID 12017

Growth Distribution Rank

Type: Extensible Version: 20030130

Code Scheme	Code Value	Code Meaning
DCM	125012	Growth Percentile Rank
DCM	125013	Growth Z-score

CID 12018 OB-GYN Summary

Context ID 12018

OB-GYN SUMMARY

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11878-6	Number of Fetuses
LN	11886-9	Gestational Age by ovulation date

CID 12019 OB-GYN Fetus Summary

Context ID 12019

OB-GYN FETUS SUMMARY

Type: Extensible Version: 20030130

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	18185-9	Gestational Age
LN	11888-5	Composite Ultrasound Age
LN	11885-1	Gestational Age by LMP
LN	11727-5	Estimated Weight
LN	11767-1	EFW percentile rank
LN	11948-7	Fetal Heart Rate

CID 12030 Ultrasound Contrast/Bolus Agents

Context ID 12030
Ultrasound Contrast/Bolus Agents
Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104) See Controlled Terminology descriptions in Annex D for manufacturer references.
DCM	125901	CARDIOsphere
NDC	11994-*011-04	Definity

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104) See Controlled Terminology descriptions in Annex D for manufacturer references.
DCM	125902	Echovist
DCM	125903	Imagify
DCM	125904	Levovist
NDC	00019-2707-03	Optison
DCM	125905	Sonazoid
DCM	125906	SonoVue
DCM	125907	Targestar-B
DCM	125908	Targestar-P

Note: The generic formulation is not used for Code Meaning (0008,0104) because for ultrasonic contrast agents the physical properties of the agent are more significant than chemical formula in determining its acoustic properties.

CID 12031 Protocol Interval Events

Context ID 12031
Protocol Interval Events

Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125233	Start of drug dose administration
DCM	125234	Start of contrast agent administration
DCM	125235	Destruction of microbubbles
DCM	125236	Onset of exercise
DCM	125237	Cessation of exercise
DCM	125238	Onset of stimulation
DCM	125239	Cessation of stimulation

CID 12032 Transducer Scan Pattern

Context ID 12032
Transducer Scan Pattern
Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125240	Line scan pattern
DCM	125241	Plane scan pattern
DCM	125242	Volume scan pattern

CID 12033 Ultrasound Transducer Geometry

Context ID 12033
Ultrasound Transducer Geometry
Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125251	Non-imaging Doppler ultrasound transducer geometry
DCM	125252	Linear ultrasound transducer geometry
DCM	125253	Curved linear ultrasound transducer geometry
DCM	125254	Sector ultrasound transducer geometry
DCM	125255	Radial ultrasound transducer geometry
DCM	125256	Ring ultrasound transducer geometry

CID 12034 Ultrasound Transducer Beam Steering

Context ID 12034
Ultrasound Transducer Beam Steering
Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125257	Fixed beam direction
DCM	125258	Mechanical beam steering
DCM	125259	Phased beam steering

CID 12035 Ultrasound Transducer Application

Context ID 12035
Ultrasound Transducer Application
Type: Extensible Version: 20090409

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125261	External Transducer
DCM	125262	Transesophageal Transducer
DCM	125263	Endovaginal Transducer
DCM	125264	Endorectal Transducer
DCM	125265	Intravascular Transducer

CID 12101 Vascular Summary

Context ID 12101
Vascular Summary

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	121106	Comment

CID 12102 Temporal Periods Relating to Procedure or Therapy

Context ID 12102
Temporal Periods Relating to Procedure or Therapy

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-422A4	After Procedure
SRT	R-40FBA	During Procedure
SRT	R-40FB9	Before Procedure

CID 12103 Vascular Ultrasound Anatomic Location

Context ID 12103

Vascular Ultrasound Anatomic Location

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12104 Extracranial Arteries		
INCLUDE CID 12105 Intracranial Cerebral Vessels		
INCLUDE CID 12106 Intracranial Cerebral Vessels (unilateral)		
INCLUDE CID 12107 Upper Extremity Arteries		
INCLUDE CID 12108 Upper Extremity Veins		
INCLUDE CID 12109 Lower Extremity Arteries		
INCLUDE CID 12110 Lower Extremity Veins		
INCLUDE CID 12111 Abdominal Arteries (lateral)		
INCLUDE CID 12112 Abdominal Arteries (unilateral)		
INCLUDE CID 12113 Abdominal Veins (lateral)		
INCLUDE CID 12114 Abdominal Veins (unilateral)		
INCLUDE CID 12115 Renal Vessels		

CID 12104 Extracranial Arteries

This context group specifies the anatomic location for vascular observations

Context ID 12104

Extracranial Arteries

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-45160	Carotid Bifurcation
SRT	T-45170	Carotid Bulb
SRT	T-45100	Common Carotid Artery
SRT	T-45200	External Carotid Artery
SRT	T-45300	Internal Carotid Artery
SRT	T-46100	Subclavian Artery
SRT	T-45700	Vertebral Artery

CID 12105 Intracranial Cerebral Vessels

Context ID 12105

Intracranial Cerebral Vessels

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-45540	Anterior Cerebral Artery
SRT	T-45530	Anterior Communicating Artery
SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation
SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation
SRT	T-45308	Carotid Siphon
SRT	T-45430	Central Retinal Artery
SRT	T-48286	Central Retinal Vein
SRT	T-45300	Internal Carotid Artery
SRT	R-102BB	Internal Carotid Artery C5 segment
SRT	R-102BC	Internal Carotid Artery C6 segment
SRT	R-102BD	Terminal internal carotid artery
SRT	T-45600	Middle Cerebral Artery
SRT	R-1024F	Middle Cerebral Artery M1 Segment
SRT	R-10251	Middle Cerebral Artery M2 Segment
SRT	T-45400	Ophthalmic Artery
SRT	T-45900	Posterior Cerebral Artery
SRT	R-10253	Posterior Cerebral Artery P1 Segment
SRT	R-10255	Posterior Cerebral Artery P2 Segment
SRT	T-45320	Posterior Communicating Artery

CID 12106 Intracranial Cerebral Vessels (unilateral)

Context ID 12106

Intracranial Cerebral Vessels (unilateral)

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-45800	Basilar Artery

CID 12107 Upper Extremity Arteries

Context ID 12107

Upper Extremity Arteries

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-47100	Axillary Artery
SRT	T-47160	Brachial Artery
SRT	T-47340	Deep Palmar Arch of Radial Artery
SRT	T-46010	Innominate Artery
SRT	T-47300	Radial Artery
SRT	T-46100	Subclavian Artery
SRT	T-47240	Superficial Palmar Arch
SRT	T-47200	Ulnar Artery
SRT	T-47260	Digital artery of hand

CID 12108 Upper Extremity Veins

Context ID 12108

Upper Extremity Veins

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-49110	Axillary vein
SRT	T-48052	Basilic vein
SRT	T-49350	Brachial vein
SRT	T-49240	Cephalic vein
SRT	T-48620	Innominate vein
SRT	T-48170	Internal Jugular vein
SRT	T-49250	Median Cubital vein
SRT	T-49340	Radial vein
SRT	T-48330	Subclavian vein
SRT	T-49330	Ulnar vein
SRT	T-48610	Superior Vena Cava
SRT	T-49218	Deep Palmar Venous Arch
SRT	T-49217	Superficial Palmar Venous Arch

CID 12109 Lower Extremity Arteries

Context ID 12109

Lower Extremity Arteries

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-46710	Common Iliac Artery
SRT	R-10258	Common Iliac Artery Bifurcation
SRT	T-47700	Anterior Tibial Artery
SRT	T-47400	Common Femoral Artery
SRT	T-47741	Dorsalis Pedis Artery
SRT	T-46910	External Iliac Artery
SRT	T-46740	Internal Iliac Artery
SRT	T-47630	Peroneal Artery
SRT	T-47690	Plantar Arterial Arch
SRT	T-47500	Popliteal Artery
SRT	T-47600	Posterior Tibial Artery
SRT	T-47440	Profunda Femoris Artery
SRT	T-47403	Superficial Femoral Artery

CID 12110 Lower Extremity Veins

Context ID 12110

Lower Extremity Veins

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-49630	Anterior Tibial Vein
SRT	T-49423	Lateral calf perforator
SRT	G-035B	Common Femoral Vein
SRT	T-48920	Common Iliac Vein
SRT	T-48930	External Iliac Vein
SRT	T-4942D	Gastrocnemius vein
SRT	G-036F	Giacomini vein
SRT	T-49530	Great Saphenous Vein
SRT	R-10259	Great Saphenous Vein of Thigh
SRT	R-1025A	Great Saphenous Vein of Calf
SRT	T-49550	Lesser Saphenous Vein
SRT	T-49650	Peroneal Vein
SRT	T-49640	Popliteal Vein
SRT	G-036E	Posterior arch vein
SRT	T-49620	Posterior Tibial Vein
SRT	T-49660	Profunda Femoris Vein
SRT	T-D930A	Saphenofemoral Junction
SRT	G-036B	Soleal vein
SRT	G-035A	Superficial Femoral Vein
SRT	T-4942C	Thigh perforator
SRT	T-48940	Internal iliac vein
SRT	T-4941A	Saphenopopliteal junction
SRT	T-4942A	Hunterian perforating vein
SRT	T-49426	Cockett's perforating vein
SRT	T-49424	Boyd's perforating vein

CID 12111 Abdominal Arteries (lateral)

Context ID 12111

Abdominal Arteries (lateral)

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)

SRT	T-46640	Accessory Renal Artery
SRT	T-46410	Gastric Artery
SRT	T-46980	Ovarian Artery
SRT	T-46970	Testicular Artery
SRT	T-F1810	Umbilical Artery
SRT	T-46820	Uterine Artery

CID 12112 Abdominal Arteries (unilateral)

Context ID 12112

Abdominal Arteries (unilateral)

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-42000	Aorta
SRT	T-42520	Infra-renal Aorta
SRT	T-42510	Supra-renal Aorta
SRT	T-46400	Celiac Axis
SRT	T-46421	Common Hepatic Artery
SRT	T-46710	Common Iliac Artery
SRT	T-46440	Gastroduodenal Artery
SRT	T-46520	Inferior Mesenteric Artery
SRT	T-46960	Lumbar Artery
SRT	T-46422	Proper Hepatic Artery
SRT	T-46423	Right Branch of Hepatic Artery
SRT	T-46427	Left Branch of Hepatic Artery
SRT	T-46460	Splenic Artery
SRT	T-46510	Superior Mesenteric Artery

CID 12113 Abdominal Veins (lateral)

Context ID 12113

Abdominal Veins (lateral)

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-48920	Common iliac vein
SRT	T-48820	Gastric vein
SRT	G-0370	Ileal vein
SRT	T-48780	Ovarian vein

SRT	T-48770	Testicular Vein
SRT	G-035E	First Lumbar Artery
SRT	G-035F	Second Lumbar Artery
SRT	G-0360	Third Lumbar Artery
SRT	G-0361	Fourth Lumbar Artery
SRT	G-0362	Fifth Lumbar Artery
SRT	G-0363	Sixth Lumbar Artery

CID 12114 Abdominal Veins (unilateral)

Context ID 12114

Abdominal Veins (unilateral)

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-48720	Hepatic Vein
SRT	G-036D	Inferior Right Hepatic Vein
SRT	T-48727	Left Hepatic Vein
SRT	T-48726	Middle Hepatic Vein
SRT	T-48725	Right Hepatic Vein
SRT	T-48810	Portal Vein
SRT	T-4881F	Left Main Branch of Portal Vein
SRT	T-4882A	Right Main Branch of Portal Vein
SRT	T-48910	Inferior Mesenteric Vein
SRT	T-48710	Inferior Vena Cava
SRT	T-48890	Splenic Vein
SRT	T-48840	Superior Mesenteric Vein
SRT	G-036C	Transjugular Intrahepatic Portosystemic Shunt
SRT	T-48817	Umbilical Vein

CID 12115 Renal Vessels

Context ID 12115

Renal Vessels

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-46600	Renal Artery

SRT	G-035C	Hilar Artery
SRT	T-46659	Segmental Artery
SRT	T-4667C	Lobar Artery
SRT	T-4668A	Arcuate Artery of the Kidney
SRT	T-4667D	Interlobar Artery of Kidney
SRT	T-46640	Accessory Renal Artery
SRT	T-46668	Perforating Artery of Kidney
SRT	T-48740	Renal Vein

CID 12116 Vessel Segment Modifiers

This context group is the set of modifiers that specify the postion along a vessel segment.

Context ID 12116

Vessel Segment Modifiers

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A119	Distal
SRT	G-A188	Mid-longitudinal
SRT	G-036A	Origin of vessel
SRT	G-A118	Proximal
SRT	R-1025B	Dilated portion of segment

CID 12117 Vessel Branch Modifiers

This context group is the set of modifiers to specify a particular vessel segment or branch.

Context ID 12117

Vessel Branch Modifiers

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-035D	Collateral branch of vessel
SRT	G-A115	Inferior
SRT	G-A104	Lateral
SRT	G-A101	Left
SRT	G-A332	Main
SRT	G-A109	Medial
SRT	G-A100	Right
SRT	G-A116	Superior

CID 12119 Vascular Ultrasound Property

Context ID 12119

Vascular Ultrasound Property

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12120 Blood Velocity Measurements		
INCLUDE CID 12121 Vascular Indices and Ratios		
INCLUDE CID 12122 Other Vascular Properties		

CID 12120 Blood Velocity Measurements

Context ID 12120

Blood Velocity Measurements

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11653-3	End Diastolic Velocity
LN	11665-7	Minimum Diastolic Velocity
LN	11726-7	Peak Systolic Velocity
LN	20352-1	Time averaged mean velocity
LN	11692-1	Time averaged peak velocity

CID 12121 Vascular Indices and Ratios

Context ID 12121

Vascular Indices and Ratios

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	20167-3	Acceleration Index
SRT	R-101BA	Lumen Area Stenosis
SRT	R-101BB	Lumen Diameter Stenosis
LN	12008-9	Pulsatility Index
LN	12023-8	Resistivity Index
LN	12144-2	Systolic to Diastolic Velocity Ratio
LN	33867-3	Velocity ratio

Note: This Context Group formerly included SNOMED codes G-0371 and G-0372, which have been replaced by R-101BA and R-101BB, respectively. See Annex J.

CID 12122 Other Vascular Properties

Context ID 12122

Other Vascular Properties

Type: Extensible Version: 20050110

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	20168-1	Acceleration Time
LN	20217-6	Deceleration Time
SRT	G-0364	Vessel lumen diameter
SRT	R-1025C	Vessel Intimal Diameter
SRT	R-1025D	Vessel Intimal Cross-Sectional Area
SRT	G-0365	Vessel outside diameter
SRT	G-0366	Vessel lumen cross-sectional area
LN	33878-0	Volume flow
SRT	R-1025E	Vessel depth from surface
LN	20247-3	Peak Gradient
LN	20256-4	Mean Gradient
SRT	R-1025F	Length of Segment

CID 12123 Carotid Ratios

Context ID 12123

Carotid Ratios

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33868-1	ICA/CCA velocity ratio

CID 12124 Renal Ratios

Context ID 12124

Renal Ratios

Type: Extensible Version: 20030327

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33869-9	Renal Artery/Aorta velocity ratio

CID 12140 Pelvic Vasculature Anatomical Location

Context ID 12140

Pelvic Vasculature Anatomical Location
Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-F1810	Umbilical Artery
SRT	T-F1820	Umbilical Vein
SRT	T-46980	Ovarian Artery
SRT	T-48780	Ovarian Vein
SRT	T-46820	Uterine Artery
SRT	T-49010	Uterine Vein
SRT	T-F1412	Vitelline Artery of Placenta
SRT	T-F1413	Vitelline Vein of Placenta
SRT	T-46710	Common Iliac Artery

CID 12141 Fetal Vasculature Anatomical Location

Context ID 12141

Fetal Vasculature Anatomical Location
Type: Extensible Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-42000	Aorta
SRT	T-D0765	Descending Aorta
SRT	T-45600	Middle Cerebral Artery
SRT	T-48581	Pulmonary Vein
SRT	T-44000	Pulmonary Artery

CID 12200 Echocardiography Left Ventricle

Context ID 12200
Echocardiography Left Ventricle

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12201 Left Ventricle Linear		
INCLUDE CID 12240 Left Ventricle Area		
INCLUDE CID 12202 Left Ventricle Volume		
INCLUDE CID 12222 Orifice Flow Properties		

INCLUDE CID 12203 Left Ventricle Other
INCLUDE CID 12239 Cardiac Output Properties

CID 12201 Left Ventricle Linear

Context ID 12201
Left Ventricle Linear

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
LN	29436-3	Left Ventricle Internal End Diastolic Dimension
LN	29438-9	Left Ventricle Internal Systolic Dimension
LN	18051-3	Left Ventricular Fractional Shortening
LN	18154-5	Interventricular Septum Diastolic Thickness
LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
LN	18054-7	Interventricular Septum % Thickening
LN	18158-6	Interventricular Septum Systolic Thickness
LN	18053-9	Left Ventricle Posterior Wall % Thickening
LN	18077-8	Left Ventricle diastolic major axis
LN	18076-0	Left Ventricle systolic major axis
LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness
LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness
SRT	G-0377	Left Ventricle Semi-major Axis Diastolic Dimension
SRT	G-0378	Left Ventricle Truncated Semi-major Axis Diastolic Dimension

CID 12202 Left Ventricle Volume

Context ID 12202
Left Ventricle Volume

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
LN	18026-5	Left Ventricular End Diastolic Volume
LN	18148-7	Left Ventricular End Systolic Volume
LN	18043-0	Left Ventricular Ejection Fraction

CID 12203 Left Ventricle Other

Context ID 12203
Left Ventricle Other

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
LN	18087-7	Left Ventricle Mass
LN	18071-1	Left Ventricular Isovolumic Relaxation Time
SRT	G-037E	Left Ventricular Isovolumic Contraction Time
SRT	G-037A	Left Ventricular Peak Early Diastolic Tissue Velocity
SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
SRT	G-037C	LV Peak Diastolic Tissue Velocity During Atrial Systole
SRT	G-037D	Left Ventricular Peak Systolic Tissue Velocity
SRT	G-037F	Left Ventricular Index of Myocardial Performance

CID 12204 Echocardiography Right Ventricle

Context ID 12204
Echocardiography Right Ventricle

Type: Extensible Version: 20080623

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		
SRT	F-04FD8	RV Stroke Volume
SRT	F-04FA5	RV Cardiac Output
SRT	F-04F84	RV Cardiac Index
SRT	F-04FE5	RV Stroke Index
LN	20304-2	Right Ventricular Internal Diastolic Dimension
LN	20305-9	Right Ventricular Internal Systolic Dimension
SRT	G-0381	Right Ventricular Index of Myocardial Performance
SRT	G-0380	Right Ventricular Peak Systolic Pressure
LN	18153-7	Right Ventricular Anterior Wall Diastolic Thickness
LN	18157-8	Right Ventricular Anterior Wall Systolic Thickness

CID 12205 Echocardiography Left Atrium

Context ID 12205
Echocardiography Left Atrium

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
LN	17985-3	Left Atrium to Aortic Root Ratio
LN	29486-8	Left Atrial Appendage Peak Velocity
LN	17977-0	Left Atrium Systolic Area
SRT	G-0383	Left Atrium Systolic Volume

CID 12206 Echocardiography Right Atrium

Context ID 12206
Echocardiography Right Atrium

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	18070-3	Right Atrium Systolic Pressure
LN	17988-7	Right Atrium Systolic Area

CID 12207 Echocardiography Mitral Valve

Context ID 12207
Echocardiography Mitral Valve

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		
INCLUDE CID 12239 Cardiac Output Properties		
LN	17978-8	Mitral Valve A-Wave Peak Velocity
LN	18037-2	Mitral Valve E-Wave Peak Velocity
LN	18038-0	Mitral Valve E to A Ratio
SRT	G-0386	Mitral Valve AT/DT Ratio
SRT	G-0384	Mitral Valve E-Wave Deceleration Time
LN	18040-6	Mitral Valve E-F Slope by M-Mode
LN	18036-4	Mitral Valve EPSS, E wave
SRT	G-0385	Mitral Valve A-Wave Duration
LN	18057-0	Mitral Valve Diastolic Peak Instantaneous Gradient
SRT	G-0387	Mitral Valve Closure to Opening Time

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity

Note: This Context Group includes measurements of the left ventricle only. For right ventricle measurements, see CID 12204.

CID 12208 Echocardiography Tricuspid Valve

Context ID 12208
Echocardiography Tricuspid Valve

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		
LN	18031-5	Tricuspid Valve E Wave Peak Velocity
LN	18030-7	Tricuspid Valve A Wave Peak Velocity
LN	18039-8	Tricuspid Valve E to A Ratio
LN	20296-0	Time from Q wave to Tricuspid Valve Opens
SRT	G-0389	Tricuspid Valve Closure to Opening Time
LN	18034-9	Tricuspid Regurgitation dP/dt

CID 12209 Echocardiography Pulmonic Valve

Context ID 12209
Echocardiography Pulmonic Valve

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		
LN	18096-8	Pulmonic Valve Area by continuity
LN	18042-2	Pulmonic Valve Ejection Time
SRT	G-0388	Ratio of Pulmonic Valve Acceleration Time to Ejection Time
LN	20295-2	Time from Q wave to Pulmonic Valve Closes

CID 12210 Echocardiography Pulmonary Artery

Context ID 12210
Echocardiography Pulmonary Artery

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	18020-8	Main Pulmonary Artery Diameter
LN	18021-6	Right Pulmonary Artery Diameter
LN	18019-0	Left Pulmonary Artery Diameter
SRT	G-038A	Main Pulmonary Artery Peak Velocity

CID 12211 Echocardiography Aortic Valve

Context ID 12211
Echocardiography Aortic Valve

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		
LN	17996-0	Aortic Valve Cusp Separation
LN	18041-4	Aortic Valve Ejection Time
SRT	G-0382	Ratio of Aortic Valve Acceleration Time to Ejection Time

CID 12212 Echocardiography Aorta

Context ID 12212
Echocardiography Aorta

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	18015-8	Aortic Root Diameter
LN	18011-7	Aortic Arch Diameter
LN	18012-5	Ascending Aortic Diameter
LN	18014-1	Aortic Isthmus Diameter
LN	18013-3	Descending Aortic Diameter
LN	17995-2	Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient
LN	29460-3	Thoracic Aorta Coarctation Systolic Peak Velocity

CID 12214 Echocardiography Pulmonary Veins

Context ID 12214
Echocardiography Pulmonary Veins

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	29450-4	Pulmonary Vein Systolic Peak Velocity
LN	29451-2	Pulmonary Vein Diastolic Peak Velocity
LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio
LN	29453-8	Pulmonary Vein Atrial Contraction Reversal Peak Velocity
SRT	G-038B	Pulmonary Vein A-Wave Duration
SRT	G-038D	Pulmonary Vein D-Wave Velocity Time Integral
SRT	G-038C	Pulmonary Vein S-Wave Velocity Time Integral

CID 12215 Echocardiography Vena Cavae

Context ID 12215
Echocardiography Vena Cavae

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	18006-7	Inferior Vena Cava Diameter
LN	18050-5	Inferior Vena Cava % Collapse

CID 12216 Echocardiography Hepatic Veins

Context ID 12216
Echocardiography Hepatic Veins

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	29471-0	Hepatic Vein Systolic Peak Velocity
LN	29472-8	Hepatic Vein Diastolic Peak Velocity
LN	29473-6	Hepatic Vein Systolic to Diastolic Ratio
LN	29474-4	Hepatic Vein Atrial Contraction Reversal Peak Velocity

CID 12217 Echocardiography Cardiac Shunt

Context ID 12217
Echocardiography Cardiac Shunt

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio

CID 12218 Echocardiography Congenital

Context ID 12218
Echocardiography Congenital

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
INCLUDE CID 12220 Echocardiography Common Measurements		
INCLUDE CID 12222 Orifice Flow Properties		

CID 12219 Pulmonary Vein Modifiers

Context ID 12219
Pulmonary Vein Modifiers

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-404A0	Right Upper Segment
SRT	R-4049E	Right Lower Segment
SRT	R-40491	Left Upper Segment
SRT	R-4214B	Left Lower Segment

CID 12220 Echocardiography Common Measurements

Context ID 12220
Echocardiography Common Measurements

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	8867-4	Heart rate

CID 12221 Flow Direction

Context ID 12221
Flow Direction

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-42047	Antegrade Flow
SRT	R-42E61	Regurgitant Flow

CID 12222 Orifice Flow Properties

Context ID 12222
Orifice Flow Properties

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	33878-0	Volume Flow
LN	34141-2	Peak Instantaneous Flow Rate
SRT	G-038E	Cardiovascular Orifice Area
SRT	G-038F	Cardiovascular Orifice Diameter
SRT	G-0390	Regurgitant Fraction
LN	11653-3	End Diastolic Velocity
LN	11726-7	Peak Velocity
LN	20352-1	Mean Velocity
LN	20247-3	Peak Gradient
LN	20256-4	Mean Gradient
LN	20354-7	Velocity Time Integral
LN	20280-4	Pressure Half-Time
LN	20168-1	Acceleration Time
LN	20217-6	Deceleration Time
LN	20216-8	Deceleration Slope

CID 12223 Echocardiography Stroke Volume Origin

Context ID 12223
Echocardiography Stroke Volume Origin

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-32600	Left Ventricle
SRT	T-32650	Left Ventricle Outflow Tract
SRT	T-32550	Right Ventricle Outflow Tract

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-35300	Mitral Valve
SRT	T-42000	Aorta

CID 12224 Ultrasound Image Modes

Context ID 12224
Ultrasound Image Modes

Type: Extensible Version: 20080324

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-03A2	2D mode
SRT	R-409E2	Doppler Color Flow
SRT	G-0394	M mode
SRT	R-409E4	Doppler Pulsed
SRT	R-409E3	Doppler Continuous Wave
SRT	P0-02241	Power Doppler
SRT	P0-02242	3D mode

CID 12226 Echocardiography Image View

Context ID 12226
Echocardiography Image View

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-A19B	Apical two chamber
SRT	G-A19C	Apical four chamber
SRT	G-0395	Apical long axis
SRT	G-0396	Parasternal long axis
SRT	G-0397	Parasternal short axis
SRT	G-0398	Parasternal short axis at the aortic valve level
SRT	G-0399	Parasternal short axis at the level of the mitral chords
SRT	G-039A	Parasternal short axis at the Mitral Valve level
SRT	G-039B	Parasternal short axis at the Papillary Muscle level
SRT	G-039C	Right Ventricular Inflow Tract View
SRT	G-039D	Right Ventricular Outflow Tract View

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-039E	Subcostal long axis
SRT	G-039F	Subcostal short axis
SRT	G-03A0	Suprasternal long axis
SRT	G-03A1	Suprasternal short axis

CID 12227 Echocardiography Measurement Method

Context ID 12227
Echocardiography Measurement Method

Type: Extensible Version: 20030918

Code Scheme	Code Value	Concept Name
INCLUDE CID 12228 Echocardiography Volume Methods		
INCLUDE CID 12229 Echocardiography Area Methods		
INCLUDE CID 12230 Gradient Methods		
INCLUDE CID 12231 Volume Flow Methods		
INCLUDE CID 12232 Myocardium Mass Methods		

CID 12228 Echocardiography Volume Methods

Context ID 12228
Echocardiography Volume Methods

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125204	Area-Length Biplane
DCM	125205	Area-Length Single Plane
DCM	125211	Biplane Ellipse
DCM	125226	Single Plane Ellipse
DCM	125206	Cube Method
DCM	125207	Method of Disks, Biplane
DCM	125208	Method of Disks, Single Plane
DCM	125209	Teichholz

CID 12229 Echocardiography Area Methods

Context ID 12229
Echocardiography Area Methods

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125210	Area by Pressure Half-Time

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125212	Continuity Equation
DCM	125213	Continuity Equation by Mean Velocity
DCM	125214	Continuity Equation by Peak Velocity
DCM	125215	Continuity Equation by Velocity Time Integral
DCM	125216	Proximal Isovelocity Surface Area
DCM	125220	Planimetry

CID 12230 Gradient Methods

Context ID 12230
Gradient Methods

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125217	Full Bernoulli
DCM	125218	Simplified Bernoulli

CID 12231 Volume Flow Methods

Context ID 12231
Volume Flow Methods

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125219	Doppler Volume Flow
DCM	125216	Proximal Isovelocity Surface Area

CID 12232 Myocardium Mass Methods

Context ID 12232
Myocardium Mass Methods

Type: Extensible Version: 20050321

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125221	Left Ventricle Mass by M-mode
DCM	125222	Left Ventricle Mass by Truncated Ellipse

CID 12233 Cardiac Phase

Context ID 12233
Cardiac Phase

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-32020	Systole
SRT	F-32010	Diastole
SRT	F-32011	End Diastole
DCM	109070	End Systole

CID 12234 Respiration State

Context ID 12234
Respiration Phase

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	F-20010	During Inspiration
SRT	F-20020	During Expiration

CID 12235 Mitral Valve Anatomic Sites

Context ID 12235
Mitral Valve Anatomic Sites

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	G-0391	Medial Mitral Annulus
SRT	G-0392	Lateral Mitral Annulus
SRT	T-35313	Mitral Annulus

CID 12236 Echo Anatomic Sites

Context ID 12236
Echo Anatomic Sites

Type: Extensible Version: 20050321

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12235 Mitral Valve Anatomic Sites		
INCLUDE CID 12223 Stroke Volume Origin		
INCLUDE CID 12241 Tricuspid Valve Finding Sites		
INCLUDE CID 12242 Aortic Valve Finding Sites		

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12243 Left Ventricle Finding Sites		
INCLUDE CID 12244 Congenital Finding Sites		
SRT	D4-32030	Thoracic Aortic Coarctation

CID 12237 Echocardiography Anatomic Site Modifiers

Type: Extensible Version: 20030918

Context ID 12237
Echocardiography Anatomic Site Modifiers

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
INCLUDE CID 12219 Pulmonary Vein Modifiers		

CID 12238 Wall Motion Scoring Schemes

Context ID 12238
Wall Motion Scoring Schemes

Type: Extensible Version: 20050321

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	125223	4 Point Segment Finding Scale
DCM	125224	5 Point Segment Finding Scale
DCM	125225	5 Point Segment Finding Scale With Graded Hypokinesis

CID 12239 Cardiac Output Properties

Context ID 12239
Cardiac Output Properties

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Equivalent LOINC Code Value
SRT	F-32120	Stroke Volume	20562-5
SRT	F-32100	Cardiac Output	8741-1
SRT	F-32110	Cardiac Index	
SRT	F-00078	Stroke Index	

CID 12240 Left Ventricle Area

Context ID 12240
Left Ventricle Area

Type: Extensible Version: 20030918

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
SRT	G-0374	Left Ventricular Systolic Area
SRT	G-0375	Left Ventricular Diastolic Area
SRT	G-0376	Left Ventricular Fractional Area Change
SRT	G-0379	Left Ventricle Epicardial Diastolic Area, psax pap view

CID 12241 Tricuspid Valve Finding Sites

CID 12241
Tricuspid Valve Finding Sites

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
SRT	T-35111	Tricuspid Annulus

CID 12242 Aortic Valve Finding Sites

CID 12242
Aortic Valve Finding Sites

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
SRT	T-35410	Aortic Valve Ring

CID 12243 Left Ventricle Finding Sites

CID 12243
Left Ventricle Finding Sites

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
SRT	T-32650	Left Ventricle Outflow Tract

CID 12244 Congenital Finding Sites

CID 12244
Congenital Finding Sites

Type: Extensible Version: 20040614

Coding Scheme Designator (0008,0102)	Code Value (0008,0100	Code Meaning (0008,0104)
SRT	D4-31150	Ventricular Septal Defect
SRT	D4-31220	Atrial Septal Defect

Annex C Acquisition and Protocol Context Templates (Normative)

This Annex specifies the content of Templates for Acquisition and Protocol Context required by DICOM IODs.

TEMPLATES

TID 3401 ECG Acquisition Context

TID 3401
ECG Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	(5.4.5-33-1,SCPECG,1.3, “Electrode Placement”)	1	U		BCID(3263)
2	CODE	(109054,DCM,”Patient State”)	1	U		BCID(3262)
3	NUM	(109055,DCM,”Protocol Stage”)	1	U		UNITS=EV(“{stage}”,UCUM, ”stage”)
4	CODE	(109056,DCM,”Stress Protocol”)	1	U		BCID(3261)
5	CODE	(5.4.5-33-2,SCPECG,1.3, “XYZ Electrode Configuration”)	1	U		BCID(3264)

TID 3403 Catheterization Acquisition Context

TID 3403
Catheterization Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	(G-72BB,SRT,”Catheterization Procedure Phase”)	1	U		BCID(3250) Catheterization Procedure Phase
2	CODE	(109058,DCM,”Contrast Phase”)	1	U		BCID(3600) Relative time
3	CODE	(109059,DCM,”Physiological challenges”)	1	U		BCID(3271) Hemodynamic Physiological Challenges
4	NUM	(109060,DCM,”Procedure Step Number”)	1	U		UNITS=EV(“{step}”,UCUM, ”step”)
5	TEXT	EV (121124, DCM, "Procedure Action ID")	1	U		

Note: See TID 3100 in Annex A for description of Procedure Action ID used in Row 5.

TID 3450 Cardiac Electrophysiology Acquisition Context

TID 3450
Cardiac Electrophysiology Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	(109061,DCM,”EP Procedure Phase”)	1	U		BCID(3254)
2	NUM	(109060,DCM,”Procedure Step Number”)	1	U		UNITS=EV(“{step}”,UCUM, ”step”)

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	TEXT	(109063,DCM,"Pulse train definition")	1	U		

TID 3470 NM Acquisition Context

TID 3470
NM Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	(109054, DCM, "Patient State")	1	M		DCID (3101) Cardiac Procedural State Values

TID 8001 Specimen Preparation

This template describes a single specimen preparation step.

TID 8001
Specimen Preparation
Type: Extensible

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	EV (121041, DCM, "Specimen Identifier")	1	M		
2	TEXT	EV (111724, DCM, "Issuer of Specimen Identifier")	1	U		
3	CODE	EV (111701, DCM, "Processing type")	1	M		DCID (8111) Specimen Preparation Procedure
4	DATETIME	DT (111702, DCM, "Datetime of processing")	1	U		
5	TEXT	DT (111703, DCM, "Processing step description")	1	U		
6	CODE	DT (111703, DCM, "Processing step description")	1	U		DCID (8113) Specimen Preparation Steps
7	CODE	DT (P3-02000, SRT, "Specimen Collection")	1	MC	IFF Row 3 Processing Type value is (P3-02000, SRT, "Specimen Collection")	BCID (8109) Specimen Collection Procedure
8	INCLUDE	DTID (8002) Specimen Sampling	1	MC	IFF Row 3 Processing Type value is (P3-4000A, SRT, "Specimen Sampling")	
9	INCLUDE	DTID (8003) Specimen Staining	1	MC	IFF Row 3 Processing type value is (P3-00003, SRT, Staining	
10	CODE	DT (F-6221B, SRT,	1	U		BCID (8114) Specimen

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
		"Tissue Fixative")				Fixatives
11	CODE	DT (F-6221A, SRT, "Embedding medium")	1	U		BCID (8115) Specimen Embedding Media

Content Item Descriptions

Row 1	For sampling steps (which create a child specimen from a parent), the ID is that of the child specimen. For other preparation steps, the ID of a specimen does not change during the processing.
Row 2	The issuer shall be formatted in accordance with the HL7v2 Hierarchic Designator Data Type. That format is [*Namespace ID*]^[*Universal ID*^*Universal ID Type*], where *Namespace ID* identifies an entity within the local namespace or domain, *Universal ID* is a universal or unique identifier for an entity, and *Universal ID Type* specifies the standard format of the Universal ID (see HL7 v2 Section 2.A.33).

TID 8002 Specimen Sampling

TID 8002
Specimen Sampling
Type: Extensible

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (111704, DCM, "Sampling Method")	1	M		BCID (8110) Specimen Sampling Procedure
2	TEXT	DT (111705, DCM, "Parent Specimen Identifier")	1	M		
3	TEXT	DT (111706, DCM, "Issuer of Parent Specimen Identifier")	1	U		
4	CODE	DT (111707, DCM, "Parent specimen type")	1	M		BCID (8103) Anatomic Pathology Specimen Types
5	TEXT	DT (111708, DCM, "Position Frame of Reference")	1	U		
6	TEXT	DT (111709, DCM, "Location of sampling site")	1	U		
7	NUM	DT (111710, DCM, "Location of sampling site X offset")	1	U		
8	NUM	DT (111711, DCM, "Location of sampling site Y offset")	1	U		
9	NUM	DT (111712, DCM, "Location of sampling site Z offset")	1	U		
10	IMAGE	DT (111709, DCM, "Location of sampling site")	1	U		

Content Item Descriptions

Row 3	The Issuer of Specimen Identifier shall be formatted in accordance with the HL7 v2 Hierarchic Designator data type (see HL7 v2.6 Section 2.A.33), i.e., [*Namespace ID*]^[*Universal ID^Universal ID Type*]
Row 5	Description of coordinate system and origin reference point on parent specimen or parent specimen container used for localizing the sampling site
Rows 7-9	The X, Y and Z locations are used as needed to describe the sampling site; not all may be needed. E.g., resection from 10 cm along the colon may be described as only a Y dimension location.
Row 10	Reference to image of parent specimen localizing the sampling site; may include referenced Presentation State object

TID 8003 Specimen Staining

TID 8003
Specimen Staining
Type: Extensible

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (F-61D98, SRT, “Stain”)	1	MC	IF Row 2 not present	DCID (8112) Specimen Stains
2	TEXT	DT (F-61D98, SRT, “Stain”)	1	MC	IF Row 1 not present	

TID 8004 Specimen Localization

TID 8004
Specimen Localization
Type: Extensible

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	DT (111708, DCM, “Position Frame of Reference”)	1	U		
2	TEXT	DT (111718, DCM, “Location of Specimen”)	1	U		
3	NUM	DT (111719, DCM, “Location of Specimen X offset”)	1	U		
4	NUM	DT (111720, DCM, “Location of Specimen Y offset”)	1	U		
5	NUM	DT (111721, DCM, “Location of Specimen Z offset”)	1	U		
6	IMAGE	DT (111718, DCM, “Location of Specimen”)	1	U		
7	COMPOSITE	DT (111718, DCM, “Location of Specimen”)	1	U		Presentation State SOP Instance reference
8	TEXT	DT (111723, DCM, “Visual Marking of Specimen“)	1	U		

Content Item Descriptions

Row 1	Description of coordinate system and origin reference point used for localizing the Specimen. The value “CURRENT IMAGE ” identifies the frame of reference as the pixel space of the Image SOP Instance in which this Content Item occurs.
Row 2	Description of specimen location, either in absolute terms or relative to the Position Frame Reference of Row 1
Rows 3-5	Location of specimen (nominal center) relative to the Position Frame Reference of Row 1. The Content Items include the units of measurement (e.g., mm). If Row 1 value is “CURRENT IMAGE ”, measurement shall be from the top left hand corner of the Pixel Data of the SOP Instance, using units of ({pixel}, UCUM, “Pixels”).
Row 6	Reference to image of container localizing the specimen; may include referenced Presentation State object
Row 7	Reference to Presentation State object for this SOP Instance, with annotations localizing the specimen
Row 8	Description of visual distinguishing idenitifiers, e.g., ink, or a particular shape of the specimen

TID 15100 Contrast Agent/Pre-Medication Protocol Context

This Template specifies medications to be administered prior to a diagnostic imaging protocol, imaging contrast agents to be used in the protocol, and/or bolus agents to be used in the protocol. Each medication or agent may be modified by a specified route of administration.

Type: Extensible

TID 15100
Contrast Agent/Pre-Medication Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (123011, DCM, “Contrast/Bolus Agent”)	1-n	U		BCID 12
2	>	CODE	EV (G-C340, SRT, “Route of Administration”)	1	U		BCID 11
3		CODE	EV (123012, DCM, “Pre-Medication”)	1-n	U		
4	>	CODE	EV (G-C340, SRT, “Route of Administration”)	1	U		BCID 11

TID 15101 NM/PET Protocol Context

Type: Extensible

TID 15101
NM/PET Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (123001, DCM, “Radiopharmaceutical”)	1	M		BCID 25 (NM) or 4021 (PET)
2	>	CODE	EV (C-B1000, SRT, “Diagnostic Radioisotope)	1	U		BCID 18 (NM) or 4020 (PET)
3	>	DATETIME	EV (123003, DCM, “Radiopharmaceutical Start Time”)	1	U		
4	>	DATETIME	EV (123004, DCM, “Radiopharmaceutical Stop Time”)	1	U		

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	NUMERIC	EV (123005, DCM, “Radiopharmaceutical Volume”)	1	U		Units = DT(cm3, UCUM, “cm3”)
6	>	NUMERIC	EV (123006, DCM, “Radionuclide Total Dose”)	1	U		Units = DT(Bq, UCUM, “Bq”)
7	>	NUMERIC	EV (123007, DCM, “Radiopharmaceutical Specific Activity”)	1	U		Units = DT(Bq/mol, UCUM, “Bq/mol”)
8	>	CODE	EV (G-C340, SRT, “Route of Administration”)	1	U		BCID 11
9	>	NUMERIC	EV (123009, DCM, “Radionuclide Syringe Counts”)	1	U		Units = DT({counts}/s, UCUM “counts/s”)
10	>	NUMERIC	EV (123010, DCM, “Radionuclide Residual Syringe Counts”)	1	U		Units = DT({counts}/s, UCUM “counts/s”)

TID 15200 JJ1017 Protocol Context

This Template defines protocol context concepts to support the requirements of Japanese Guideline JJ1017. This is expected to be used with Scheduled or Performed Protocol Codes from Coding Scheme JJ1017-16M defined in Guideline JJ1017.

Type: Extensible

TID 15200
JJ1017 Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (123016, DCM, “Imaging Conditions”)	1	M		Baseline terms from Coding Scheme JJ1017-16S of JJ1017 version 3.0

Annex D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

DICOM Code Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")

Code Value	Code Meaning	Definition	Notes
109001	Digital timecode (NOS)	A signal transmitted for the purpose of interchange of the current time, not specific to any source or methodology.	
109002	ECG-based gating signal, processed	A signal which is generated for each detection of a heart beat	
109003	IRIG-B timecode	A signal transmitted by the Inter-Range Instrumentation Group for the purpose of synchronizing time clocks.	
109004	X-ray Fluoroscopy On Signal	A signal which indicates that X-ray source has been activated for fluoroscopy use.	
109005	X-ray On Trigger	A signal that indicated that the X-ray source has been activated for image recording.	
109006	Differential signal	An electrical signal derived from two electrodes	
109007	His bundle electrogram	An electrophysiological recording from the HIS nerve bundle	
109008	Monopole signal	An electrical signal from one electrode relative to an indifferent potential.	
109009	Pacing (electrical) stimulus, voltage	The voltage stimulus during cardiac pacing	
109010	Radio frequency ablation, power	The power injected during RF ablation procedure	
109011	Voltage measurement by basket catheter	Electrophysiological signals acquired using a multi-splined catheter each equipped with multiple electrodes.	
109012	Voltage measurement by mapping catheter	Electrophysiological signals acquired using a steerable catheter	
109013	Voltage measurement, NOS	A voltage measurement not otherwise specified	
109014	35% of thermal CO	A signal point which is 35% of the peak thermal cardiac output	

		signal	
109015	70% of thermal CO	A signal point which is 70% of the peak thermal cardiac output signal	
109016	A wave peak pressure	The peak pressure of each heart beat in the atrium caused by the atrial contraction	
109017	A wave pressure, average	The average of several A wave pressure measurements	
109018	Beat detected (accepted)	An identified cardiac beat used in the determination of a measurement	
109019	Beat detected (rejected)	An identified cardiac beat not used in the determination of a measurement	
109020	*Diastolic pressure, average*	*The average of several diastolic pressure measurements*	*Retired. Replaced with (F-00E22, SRT, "Average diastolic blood pressure")*
109021	*Diastolic pressure nadir*	*The lowest pressure value excluding any undershoot artifact.*	*Retired. Replaced with (F-00E1F, SRT, "Minimum diastolic blood pressure")*
109022	*End diastole*	*The moment at the end of the diastolic phase of the cardiac cycle.*	*Retired. Replaced with (F-32011, SRT, "End diastole")*
109023	End of expiration	The moment at the end of respiratory expiration	
109024	End of inspiration	The moment at the end of respiratory inspiration	
109025	Max dp/dt	The maximum positive rate of change of pressure.	
109026	Max neg dp/dt	The maximum negative rate of change of pressure.	
109027	*Mean blood pressure*	*The average blood pressure value, generally over 2 or more seconds*	*Retired. Replaced with (F-31150, SRT, "Mean blood pressure")*
109028	Peak of thermal cardiac output bolus	The peak change in blood temperature during a thermal cardiac output measurement.	
109029	Start of expiration	The moment respiratory expiration begins	
109030	Start of inspiration	The moment of respiratory inspiration begins	
109031	Start of thermal cardiac output bolus	The first discernable blood temperature change following the injectate during a thermal cardiac output measurement	
109032	*Systolic pressure, average*	*The average of several systolic blood pressure measurements.*	*Retired. Replaced with (F-00E14, SRT, "Average systolic blood pressure")*

109033	*Systolic peak pressure*	*The highest systolic blood pressure value excluding any overshoot artifact*	*Retired. Replaced with (F-00E11, SRT, "Maximum systolic blood pressure")*
109034	V wave peak pressure	The peak pressure of each heart beat in the atrium caused by the filling of the atrium.	
109035	V wave pressure, average	The average of several V wave pressure measurements	
109036	Valve close	The moment at which a heart valve closes	
109037	Valve open	The moment at which a heart valve opens	
109038	Ablation off	The moment when RF ablation current is turned off.	
109039	Ablation on	The moment when RF ablation current is turned on	
109040	HIS bundle wave	The moment in the cardiac cycle when the HIS bundle nerves depolarize.	
109041	P wave	The surface electrocardiogram of the atrial contraction	
109042	Q wave	The first negative deflection of the electrocardiogram cause by ventricular depolarization	
109043	R wave	The first positive deflection the electrocardiogram cause by ventricular depolarization	
109044	S wave	The first negative deflection after the R wave.	
109045	Start of atrial contraction	The beginning of the atrial contraction	
109046	Start of atrial contraction (subsequent)	The beginning of the second atrial contraction of two consecutive beats.	
109047	Stimulation at rate 1 interval	The stimulation interval during cardiac stimulation first used in a pacing train	
109048	Stimulation at rate 2 interval	The stimulation interval different from the first stimulation interval used in a pacing train	
109049	Stimulation at rate 3 interval	A stimulation interval different from and subsequent to the second interval in a pacing train.	
109050	Stimulation at rate 4 interval	Describes a stimulation interval different from and subsequent to the third interval in a pacing train	
109051	T wave	The electrocardiogram deflection caused by ventricular repolarization.	

109052	V wave	The peak pressure of each heart beat monitored in the atrium caused by the filling of the atrium	
109053	V wave of next beat	The second V wave measurement of two consecutive beats.	
109054	Patient State	A description of the physiological condition of the patient	
109055	Protocol Stage	The exercise level during a progressive cardiac stress test.	
109056	Stress Protocol	A series of physiological challenges designed to progressively increase the work of the heart.	
109057	*Catheterization Procedure Phase*	*A subpart of a cardiac catheterization procedure*	*Retired. Replaced with (G 72BB, SRT, "Catheterization Procedure Phase")*
109058	Contrast Phase	The subpart of a cardiac catheterization procedure in which a radio-opaque contrast medium is injected into the patient.	
109059	Physiological challenges	Physical changes administered to a patient in order to elicit an physiological response	
109060	Procedure Step Number	Enumeration of a subpart of a catheterization procedure	
109061	EP Procedure Phase	A subpart of en electrophysiological procedure	
109063	Pulse train definition	A means of defining a series of cardiac stimulation pulses	
109070	End of systole		
109071	Indicator mean transit time	Time for a median particle to travel from point of injection to point of detection	
109072	Tau	The time constant of isovolumic pressure fall	
109073	V max myocardial	Maximum velocity of myocardial contractility	
109091	*Cardiac Stress State*	*Imaging after injection of tracer during increased cardiac workload or increased myocardial blood flow, achieved by either exercise or pharmacologic means.*	*Retired. Replaced with (F-05019, SRT, "Cardiac stress state").*
109092	Reinjection State	Imaging after injection of additional tracer under resting conditions.	
109093	Redistribution State	Imaging after allowing a	

		moderate amount of time for tracer to move from its initial sites of uptake. Example: For Thallium imaging this would correspond to imaging 2-6 hours after injection.	
109094	Delayed Redistribution State	Imaging after allowing an extended amount of time for tracer to move from its initial sites of uptake. Example: For Thallium imaging this would correspond to imaging more than 6 hours after injection.	
109095	*Peak stress state*	*Peak Cardiac stress state*	*Retired, replaced by (F-05028, SRT, "Peak stress state")*
109096	*Recovery state*	*Recovery from cardiac stress*	*Retired, replaced by (F-05018, SRT, "Cardiac stress Recovery state")*
109101	Acquisition Equipment	Equipment that originally acquired the data stored within composite instances. For example, a CT, MR or Ultrasound modality.	
109102	Processing Equipment	Equipment that has processed composite instances to create new composite instances. For example, a 3D Workstation.	
109103	Modifying Equipment	Equipment that has modified existing composite instances (without creating new composite instances). For example, a QA Station or Archive.	
109104	De-identifying Equipment	Equipment that has modified an existing composite instance to remove patient identifying information	
109105	Frame Extracting Equipment	Equipment that has processed composite instances to create new composite instances by extracting selected frames from the original instance.	
109110	Voice	The sound of a human's speech, recorded during a procedure.	May include the patient's voice, or the voice of staff present in the room, or an operator's voice (whether for the purpose of recording a narrative accompanying a procedure or not).
109111	Operator's narrative	The voice of a device operator, recorded during a procedure.	

109112	Ambient room environment	The ambient sound recorded during a procedure, which may or may not include voice and other types of sound.	
109113	Doppler audio	The Doppler waveform recorded as an audible signal.	
109114	Phonocardiogram	The sound of the human heart beating.	Such as might be recorded from an electronic stethoscope.
109115	Physiological audio signal	Any sound made by the human body.	May include the sound of the heart, but also sound from other organs, such as bowel sounds or bruits from vessels, or sounds of respiration. Not intended to include voice.
109116	Arterial Pulse Waveform	A digitized signal from the patient arterial system collected through pulse oximetry or other means	
109117	Respiration Waveform	A digitized signal from the patient respiratory system representing respiration	
109120	On admission to unit	The occasion on which a procedure was performed on admission to a specialist unit (e.g., intensive care).	
109121	On discharge	The occasion on which a procedure was performed on discharge from hospital as an in-patient.	
109122	On discharge from unit	The occasion on which a procedure was performed on discharge from a specialist unit (e.g., intensive care).	
109123	Pre-intervention	The occasion on which a procedure was performed immediately prior to non-surgical intervention (e.g, percutaneous angioplasty, biopsy).	
109124	Post-intervention	The occasion on which a procedure was performed immediately after to non-surgical intervention (e.g, percutaneous angioplasty, biopsy).	
109125	At last appointment	The occasion on which a procedure was performed at the most recent outpatient visit.	
109200	America Kennel Club	America Kennel Club	
109201	America’s Pet Registry Inc.	America’s Pet Registry Inc.	

109202	American Canine Association	American Canine Association	
109203	American Purebred Registry	American Purebred Registry	
109204	American Rare Breed Association	American Rare Breed Association	
109205	Animal Registry Unlimited	Animal Registry Unlimited	
109206	Animal Research Foundation	Animal Research Foundation	
109207	Canadian Border Collie Association	Canadian Border Collie Association	
109208	Canadian Kennel Club	Canadian Kennel Club	
109209	Canadian Livestock Records Association	Canadian Livestock Records Association	
109210	Canine Federation of Canada	Canine Federation of Canada	
109211	Continental Kennel Club	Continental Kennel Club	
109212	Dog Registry of America	Dog Registry of America	
109213	Federation of International Canines	Federation of International Canines	
109214	International Progressive Dog Breeders' Alliance	International Progressive Dog Breeders' Alliance	
109215	National Kennel Club	National Kennel Club	
109216	North American Purebred Dog Registry	North American Purebred Dog Registry	
109217	United All Breed Registry	United All Breed Registry	
109218	United Kennel Club	United Kennel Club	
109219	Universal Kennel Club International	Universal Kennel Club International	
109220	Working Canine Association of Canada	Working Canine Association of Canada	
109221	World Kennel Club	World Kennel Club	
109222	World Wide Kennel Club	World Wide Kennel Club	
110020	Sheet Film Digitized	Digitization of Sheet Film	
110021	Cine Film Digitized	Digitization of Cine Film	
110022	Video Tape Digitized	Digitization of Video Tape	
110023	Paper Digitized	Digitization of pages of a paper document (Units may be	

		specified as Pages, Documents)	
110024	CD Imported	Importation of CD	
110025	DVD Imported	Importation of DVD	
110026	MOD Imported	Importation of MOD	
110027	Studies Imported	Importation of DICOM Studies	
110028	Instances Imported	Importation of DICOM Composite Instances	
110190	Issuer of Identifier	System, organization, agency, or department that has assigned an instance identifier (such as placer or filler number, patient or provider identifier, etc.)	
110500	Doctor cancelled procedure	Procedure order cancelled by requesting physician or other authorized physician	
110501	Equipment failure	Equipment failure prevented completion of procedure	
110502	Incorrect procedure ordered	Procedure discontinued due to incorrect procedure being ordered	
110503	Patient allergic to media/contrast	Procedure discontinued due to patient allergy to media/contrast (reported or reaction)	
110504	Patient died	Procedure discontinued due to death of Patient	
110505	Patient refused to continue procedure	Procedure discontinued due to patient refusal to continue procedure	
110506	Patient taken for treatment or surgery	Procedure discontinued due to patient being taken for treatment or surgery	
110507	Patient did not arrive	Patient did not arrive for procedure	
110508	Patient pregnant	Procedure discontinued due to patient pregnancy (reported or determined)	
110509	Change of procedure for correct charging	Procedure discontinued to restart with new procedure code for correct charging	
110510	Duplicate order	Procedure discontinued due to duplicate orders received for same procedure	
110511	Nursing unit cancel	Procedure order cancelled by nursing unit	
110512	Incorrect side ordered	Procedure discontinued due to incorrect side (laterality) being ordered	
110513	Discontinued for unspecified reason	Procedure discontinued for unspecified reason	

110514	Incorrect worklist entry selected	Procedure discontinued due to incorrect patient or procedure step selected from modality worklist	
110515	Patient condition prevented continuing	Patient condition prevented continuation of procedure	
110516	Equipment change	Procedure step is discontinued to change to other equipment or modality	
110518	Patient Movement	A movement of the patient affecting test quality	
110519	Operator Error	An error of the operator affecting test quality	
110521	Objects incorrectly formatted	One or more of the objects is malformed.	
110522	Object Types not supported	Receiving System is unable to accept the object type.	
110523	Object Set incomplete	One or more objects associated with the object set is missing.	
110524	Media Failure	The contents of the Media could not be accessed properly.	
110001	Image Processing	Image processing work item	
110002	Quality Control	Quality control work item	
110003	Computer Aided Diagnosis	Computer aided diagnosis work item	
110004	Computer Aided Detection	Computer aided detection work item	
110005	Interpretation	Interpretation work item	
110006	Transcription	Transcription work item	
110007	Report Verification	Report verification work item	
110008	Print	Print work item	
110009	No subsequent Workitems		
110010	Film	Film type of output	
110011	Dictation	Dictation type of output	
110012	Transcription	Transcription type of output	
110013	Media Import	The procedure to read DICOM instances from DICOM interchange media, coerce identifying attributes into the local namespace if necessary, and make the instances available.	
111001	Algorithm Name	The name assigned by a manufacturer to a specific software algorithm	
111002	Algorithm	The input parameters used by a	

	Parameters	manufacturer to configure the behavior of a specific software algorithm	
111003	Algorithm Version	The software version identifier assigned by a manufacturer to a specific software algorithm	
111004	Analysis Performed	The type of correlation applied to detection results (e.g., temporal, spatial)	
111005	Assessment Category	Assignment of intermediate or overall interpretation results to a general category	
111006	*Breast composition*	*Assessment of annotating tissues in breast; generally including fatty, mixed or dense*	*Retired. Replaced with (F-01710, SRT 1.1, "Breast composition").*
111007	Breast Outline including Pectoral Muscle Tissue	Purpose of reference for an SCOORD content item that is an outline of the breast that includes the pectoral muscle tissue	Purpose of Reference for content item of value type COMPOSITE or SCOORD
111008	Calcification Distribution	The type of distribution associated with detected calcifications	
111009	Calcification Type	Identification of the morphology of detected calcifications	
111010	Center	Purpose of reference for an SCOORD content item that identifies the central point of a finding or feature	Purpose of Reference for content item of value type COMPOSITE or SCOORD
111011	Certainty of Feature	The likelihood that the feature analyzed is in fact the type of feature identified.	
111012	Certainty of Finding	The likelihood that the finding detected is in fact the type of finding identified.	
111013	Certainty of Impression	The certainty that a device places on an impression, where 0 equals no certainty and 100 equals certainty.	
111014	Clockface or region	A location identifier based on clockface numbering or anatomic subregion	
111015	Composite Feature	An item that is an inferred correlation relating two or more individual findings or features	
111016	Composite type	The inferred relationship between the findings or features making up a composite feature	
111017	CAD Processing and Findings Summary	General assessment of whether or not CAD processing was successful, and whether any	

		findings resulted	
111018	Content Date	The date the data creation started	
111019	Content Time	The time the data creation started	
111020	Depth	A location identifier based on a feature's inferred distance from the surface of the associated anatomy	
111021	Description of Change	A textual description of the change that occurred over time in a qualitative characteristic of a feature	
111022	Detection Performed	The type of finding sought after by a specific algorithm applied to one image	
111023	Differential Diagnosis/Impression	A general change that occurred within an imaged area between a prior imaging procedure and the current imaging procedure	
111024	Failed Analyses	A group of analysis algorithms that were attempted, but failed	
111025	Failed Detections	A group of detection algorithms that were attempted, but failed	
111026	Horizontal Pixel Spacing	For projection radiography, the horizontal physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, the horizontal physical distance in the patient between the center of each pixel.	
111027	Image Laterality	Laterality of (possibly paired) body part contained in an image	
111028	Image Library	A container that references all image data used as evidence to produce a report	
111029	Image Quality Rating	A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality.	
111030	Image Region	Purpose of reference for an SCOORD content item that identifies a specific region of interest within an image	Purpose of Reference for content item of value type COMPOSITE or SCOORD
111031	Image View	The projection of the anatomic region of interest on an image receptor.	
111032	Image View Modifier	Modifier for Image View	

111033	Impression Description	Free-form text describing the overall or an individual impression	
111034	Individual Impression/Recommendation	A container for a group of related results from interpretation of one or more images and associated clinical information	
111035	Lesion Density	The x-ray attenuation of a lesion relative to the expected attenuation of an equal volume of fibroglandular breast tissue	
111036	Mammography CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to breast imaging and associated clinical information	
111037	Margins	The characteristic of the boundary, edges or border of a detected lesion	
111038	Number of calcifications	The quantity of calcifications detected within an identified group or cluster	
111039	Object type	A non-lesion object identified within one or more images	
111040	Original Source	Purpose of reference for a COMPOSITE content item that identifies it as the original source of evidence for another content item in the report	Purpose of Reference for content item of value type COMPOSITE or SCOORD
111041	Outline	Purpose of reference for an SCOORD content item that identifies the outline or bounding region of a finding or feature	Purpose of Reference for content item of value type COMPOSITE or SCOORD
111042	Pathology	The inferred type of disease associated with an identified feature	
111043	Patient Orientation Column	The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive column axis (top to bottom)	
111044	Patient Orientation Row	The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive row axis (left to right)	
111045	Pectoral Muscle Outline	Purpose of reference for an SCOORD content item that is an outline of the pectoral muscle tissue only	Purpose of Reference for content item of value type COMPOSITE or SCOORD

111046	Percent Fibroglandular Tissue	Percent of breast area that is mammographically dense, excluding pectoralis muscle.	
111047	Probability of cancer	The likelihood that an identified finding or feature is cancerous	
111048	Quadrant location	A location identifier based on the division of an area into four regions	
111049	Qualitative Difference	A qualitative characteristic of a feature that has changed over time	
111050	Quality Assessment	The effect of the quality of an image on its usability	
111051	Quality Control Standard	The quality control standard used to make a quality assessment	
111052	Quality Finding	A specific quality related deficiency detected within an image	
111053	Recommended Follow-up	Recommended type of follow-up to an imaging procedure, based on interpreted results	
111054	Recommended Follow-up Date	Recommended follow-up date to an imaging procedure, based on interpreted results	
111055	Recommended Follow-up Interval	Recommended follow-up interval to an imaging procedure, based on interpreted results	
111056	Rendering Intent	The recommendation of the producer of a content item regarding presentation of the content item by recipients of the report	
111057	Scope of Feature	An indication of how widespread the detection of a feature is within the analyzed image data set	
111058	Selected Region Description	A textual description of the contents of a selected region identified within an image	
111059	Single Image Finding	An item that was detected on one image	
111060	Study Date	Date on which the acquisition of the study information was started	
111061	Study Time	Time at which the acquisition of the study information was started	
111062	Successful Analyses	A group of analysis algorithms that were attempted and	

		completed successfully	
111063	Successful Detections	A group of detection algorithms that were attempted and completed successfully	
111064	Summary of Detections	An overall indication of whether the CAD detection algorithms applied were completed successfully	
111065	Summary of Analyses	An overall indication of whether the CAD analysis algorithms applied were completed successfully	
111066	Vertical Pixel Spacing	For projection radiography, the vertical physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, the vertical physical distance in the patient between the center of each pixel.	
111069	Crosstable		
111071	CAD Operating Point	One of a number of discrete points on the Receiver-Operator Characteristics (ROC) curve that reflects the expected sensitivity and specificity of a CAD algorithm, where zero indicates the highest specificity, lowest sensitivity operating point. The value should not exceed the Maximum CAD Operating Point.	
111072	Maximum CAD Operating Point	The maximum value of CAD Operating Point for the specific CAD algorithm used.	
111081	CAD Operating Point Description	The intended interpretation of a CAD Operating Point.	
111086	False Markers per Image	The number of false CAD markers per image. Correlates to inverse of Image Specificity.	
111087	False Markers per Case	The number of false markers per collection of images that are CAD processed as a group. Correlates to inverse of Case Specificity.	
111088	Case Sensitivity	The percentage of cancers that should be detected by a CAD algorithm where CAD marks the cancers in at least one view.	
111089	Lesion Sensitivity	The percentage of cancers that should be detected by a CAD algorithm where CAD marks the	

		cancers in each view.	
111090	Case Specificity	The percentage of cases (collections of images CAD processed as a group) without cancer that have no CAD findings whatsoever. Correlates to inverse of False Markers per Case.	
111091	Image Specificity	The percentage of images without cancer that have no CAD findings whatsoever. Correlates to inverse of False Markers per Image.	
111092	Recommended CAD Operating Point	The CAD operating point that is recommended for initial display by the creator of the structured report.	
111093	CAD Operating Point Table	A list of CAD operating points including their corresponding characteristics.	
111099	Selected region	A specific area of interest noted within an image	
111100	Breast geometry	The surface shape of all or a portion of breast related anatomy	
111101	Image Quality	Image quality incorporates the following clinical image evaluation parameters: assessment of positioning, compression, artifacts, exposure, contrast, sharpness, and labeling	
111102	Non-lesion	A finding or feature that is identified as a non-anatomic foreign object	
111103	*Density*	*A space-occupying lesion identified in a single image or projection*	*Retired. Replaced with (F-01796, SRT 1.1, "Mammography breast density").*
111104	*Individual Calcification*	*A single identified calcification*	*Retired. Replaced with (F-01776, SRT 1.1, "Individual Calcification").*
111105	*Calcification Cluster*	*Multiple calcifications identified as occupying a small area of tissue (less than 2 cc)*	*Retired. Replaced with (F-01775, SRT 1.1, "Calcification Cluster").*
111111	Cooper's ligament changes	Straightening or thickening of Cooper's ligaments	
111112	Mass in the skin	An abnormality noted at imaging within the dermis of the breast	
111113	Mass on the skin	An abnormality noted at imaging on the epidermis of the breast	

111120	Post Procedure Mammograms for Marker Placement	An assessment category to indicate that images have been acquired to assess marker placement following a breast interventional procedure	
111121	Follow-up post biopsy as directed by clinician	An indication that the patient should seek post procedural follow-up directives from a clinical health care provider.	
111122	Known biopsy proven malignancy – take appropriate action	A recommendation on a patient with known cancer to take steps appropriate to the diagnosis.	
111123	Marker placement	Positioning of a radiopaque marker.	
111124	Personal history of breast cancer with mastectomy	Patient has previous diagnosis of breast cancer resulting in mastectomy.	
111125	Known biopsy proven malignancy	Patient has had biopsy containing proven malignancy.	
111126	Image detected mass	Patient has a finding of mass reported on a prior imaging exam.	
111127	Targeted	A breast imaging procedure performed on a specific area of the breast.	
111128	Survey	A breast imaging procedure performed on the entire breast.	
111129	Clustered microcysts	A cluster of tiny anechoic foci each smaller than 2-3 mm in diameter with thin (less than 0.5 mm) intervening septations and no discrete solid components	
111130	Complicated cyst	A fluid filled mass most commonly characterized by homogeneous low-level internal echoes on ultrasound	
111135	Additional projections	Views not inclusive of MLO and CC (BI-RADS®)	
111136	Spot magnification view(s)	A spot or coned down compression of the breast providing a reduction in the thickness and a magnification of the localized area of interest and improved separation of breast tissue	
111137	*Ultrasound*		*Retired. Replaced with (P5-B0099, SRT 1.1, "Ultrasound procedure").*
111138	Old films for comparison	Obtain previous mammography studies to compare to present study	

111139	*Ductography*	*A medical procedure used for the sampling of mammary duct tissue*	*Retired. Replaced with (P5-40060, SRT 1.1, "Mammary ductogram").*
111140	Normal interval follow-up	Follow up study at 12 months for women ≥ 40 years of age having a prior negative study and no mitigating risk factors for breast cancer	
111141	Any decision to biopsy should be based on clinical assessment	Any decision to perform tissue acquisition should be based on clinical assessment	
111142	Follow-up at short interval (1-11 months)	Follow-up at short interval (1-11 months)	
111143	Biopsy should be considered	Tissue acquisition should be considered	
111144	Needle localization and biopsy	Breast tissue acquisition following the identification of an area of concern with the placement of a needle or needle-wire assembly	
111145	Histology using core biopsy	Pathologic analysis of breast tissue and lesions using core tissue samples	
111146	Suggestive of malignancy – take appropriate action	Lesions that do not have the characteristic morphologies of breast cancer but have a definite probability of being malignant. There is a sufficient concern to urge a biopsy.	
111147	Cytologic analysis	Cellular analysis of specimen	
111148	Biopsy should be strongly considered	Tissue acquisition should be strongly considered	
111149	Highly suggestive of malignancy – take appropriate action	Lesions have a high probability of being cancer, which require additional action.	
111150	Presentation Required: Rendering device is expected to present	The producer of a report intends for a recipient of the report to present or display the associated content item	
111151	Presentation Optional: Rendering device may present	The producer of a report considers the presentation or display of the associated content item by a recipient to be optional	
111152	Not for Presentation: Rendering device expected not to present	The producer of a report intends for a recipient of the report NOT to present or display the associated content item	
111153	Target content items are related	The associated content items are identfied as being the same	

	temporally	finding or feature at different points in time	
111154	Target content items are related spatially	The associated content items are identified as being the same finding or feature on different projections taken at the same point in time	
111155	Target content items are related contra-laterally	The associated content items are identified as being related side-to-side	
111156	Feature detected on the only image	There is one image in the interpreted data set	
111157	Feature detected on only one of the images	There is more than one image of the same modality in the interpreted data set	
111158	Feature detected on multiple images	There is more than one image of the same modality in the interpreted data set	
111159	Feature detected on images from multiple modalities	The interpreted data set contains images from multiple modalities	
111168	*Scar tissue*	*The fibrous tissue replacing normal tissues destroyed by disease or injury*	*Retired. Replaced with (M-78060, SRT, "Scar tissue").*
111170	*J Wire*	*A medical appliance used for localization of non palpable breast lesions to insure that the proper area is removed in a surgical biopsy*	*Retired. Replaced with (A-1016B, SRT, "J Wire").*
111171	*Pacemaker*	*A medical appliance used for regulating cardiac rhythms*	*Retired. Replaced with (A-11101, SRT, "Cardiac Pacemaker").*
111172	*Paddle*	*A compression device used for obtaining mammographic images*	*Retired. Replaced with (A-10042, SRT, "Compression paddle").*
111173	*Collimator*	*A device used for restricting an X-Ray beam*	*Retired. Replaced with (A-10044, SRT, "Collimator").*
111174	*ID Plate*	*An area designated on a radiographic film for facility and patient ID information*	*Retired. Replaced with (A-16016, SRT, "ID Plate").*
111175	Other Marker	Site specific markers	
111176	Unspecified	The value of the concept is not specified	
111177	View and Laterality Marker is missing	Image quality deficiency according to MQSA	
111178	View and Laterality Marker does not have both view and laterality	Image quality deficiency according to MQCM	
111179	View and Laterality	Image quality deficiency	

	Marker does not have approved codes	according to MQCM	
111180	View and Laterality Marker is not near the axilla	Image quality deficiency according to MQCM	
111181	View and Laterality Marker overlaps breast tissue	Image quality deficiency according to MQCM	
111182	View and Laterality Marker is partially obscured	Image quality deficiency according to MQCM	
111183	View and Laterality Marker is incorrect	Image quality deficiency	
111184	View and Laterality Marker is off image	Image quality deficiency	
111185	Flash is not near edge of film	Image quality deficiency according to MQCM	
111186	Flash is illegible, does not fit, or is lopsided	Image quality deficiency according to MQSA	
111187	Flash doesn't include patient name and additional patient id	Image quality deficiency according to MQCM	
111188	Flash doesn't include date of examination	Image quality deficiency according to MQCM	
111189	Flash doesn't include facility name and location	Image quality deficiency according to MQSA	
111190	Flash doesn't include technologist identification	Image quality deficiency according to MQCM	
111191	Flash doesn't include cassette/screen/detector identification	Image quality deficiency according to MQCM	
111192	Flash doesn't include mammography unit identification	Image quality deficiency according to MQCM	
111193	Date sticker is missing	Image quality deficiency according to MQCM	
111194	Technical factors missing	Image quality deficiency according to MQCM	
111195	Collimation too close to breast	Image quality deficiency according to MQCM	
111196	Inadequate compression	Image quality deficiency according to MQCM	
111197	MLO Insufficient pectoral muscle	Image quality deficiency according to MQCM	
111198	MLO No fat is visualized posterior	Image quality deficiency according to MQCM	

	to fibroglandular tissues		
111199	MLO Poor separation of deep and superficial breast tissues	Image quality deficiency according to MQCM	
111200	MLO Evidence of motion blur	Image quality deficiency according to MQCM	
111201	MLO Inframammary fold is not open	Image quality deficiency according to MQCM	
111202	CC Not all medial tissue visualized	Image quality deficiency according to MQCM	
111203	CC Nipple not centered on image	Image quality deficiency according to MQCM	
111204	CC Posterior nipple line does not measure within 1 cm of MLO	Image quality deficiency according to MQCM	
111205	Nipple not in profile	Image quality deficiency	
111206	Insufficient implant displacement incorrect	Image quality deficiency according to MQCM	
111208	Grid artifact(s)	Feature(s) arising from the acquisition unit's anti-scatter grid mechanism. For two-dimensional systems, such features include those of mechanically damaged or incorrectly positioned grids. For moving or Bucky grids, artifacts may result from intentional grid motion that is inadequate in duration or velocity uniformity.	
111209	Positioning	Inadequate arrangement of the anatomy of interest with respect to the X-ray field and image detector sensitive area. Examples: 1) positioning is "cutoff" when the projection of anatomy of interest falls outside the sensitive area of the detector; 2) "cone cut", in which the X-ray field does not adequately cover the anatomy of interest; 3) detector's sensitive surface is too small to cover the projection of the anatomy of interest; 4) improper angular orientation or "rotation" of anatomy of interest with respect to the X-ray source, or detector; 5) projection of other anatomy or	

		clothing over the anatomy of interest in the image.	
111210	Motion blur	Unacceptable image blur resulting from motion of the anatomy of interest during exposure or the inadequately compensated motion of X-ray source with respect to the image detector during exposure.	
111211	Under exposed	Inadequate number of quanta reached the detector during exposure. Reasons for under exposed images include low kVp, low mAs product, excess Source Image Distance. Under exposed images have inadequate signal and higher noise in the areas of interest.	
111212	Over exposed	An excess number of quanta reached the detector during exposure. Reasons for over exposed images include high kVp, high mAs product, short Source Image Distance. Over exposed images have high signal and lower noise in the areas of interest. Over exposed area may demonstrate lack of contrast from over saturation of the detector.	
111213	No image	No evidence of a patient exposure.	
111214	Detector artifact(s)	Superposed features or flaws of the detector.	
111215	Artifact(s) other than grid or detector artifact	Features or discontinuities arising from causes other than the anti-scatter grid and image detector.	
111216	Mechanical failure	Failure of the device to operate according to mechanical design specifications.	
111217	Electrical failure	Failure of a device to operate according to electrical design specifications	
111218	Software failure	Attributable to software used in generation or handling of image	
111219	Inappropriate image processing	Images processed inappropriately, not following appropriate protocol	
111220	Other failure	Failure that is not mechanical or electrical or otherwise described	
111221	Unknown failure	Unidentified or unknown cause	

		of failure	
111222	Succeeded	The attempted process was completely successful	
111223	Partially Succeeded	The attempted process succeeded in some ways, but failed in others	
111224	Failed	The attempted process completely failed	
111225	Not Attempted	No process was performed	
111233	Individual Impression / Recommendation Analysis	Analysis of a related group of findings or features detected during image data inspection, to produce a summary impression and/or recommendation	
111234	Overall Impression / Recommendation Analysis	Analysis of all groups of findings or features, to produce a single impression and/or recommendation	
111235	Unusable — Quality renders image unusable	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard	
111236	Usable — Does not meet the quality control standard	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard	
111237	Usable — Meets the quality control standard	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard	
111238	Mammography Quality Control Manual 1999, ACR	An image quality control standard specified by the American College of Radiology	
111239	Title 21 CFR Section 900, Subpart B	An image quality control standard in the US Code of Federal Regulations	
111240	Institutionally defined quality control standard	An image quality control standard specified or adopted by the institution responsible for the document	
111241	All algorithms succeeded; without findings	No findings resulted upon successful completion of all attempted computer-aided detection and/or analysis	
111242	All algorithms succeeded; with findings	One or more findings resulted upon successful completion of all attempted computer-aided detection and/or analysis	
111243	Not all algorithms succeeded; without findings	No findings resulted from the attempted computer-aided detection and/or analysis, but	

		one or more failures occurred in the process	
111244	Not all algorithms succeeded; with findings	One or more findings resulted from the attempted computer-aided detection and/or analysis, but one or more failures occurred in the process	
111245	No algorithms succeeded; without findings	All of the attempted computer-aided detection and/or analysis failed, so there could be no findings	
111248	*Adenolipoma*	*A benign tumor having glandular characteristics but composed of fat, with the presence of normal mammary ducts*	*Retired. Replaced with (M-83240, SRT, "Adenolipoma").*
111249	*Ductal hyperplasia*		*Retired. Replaced with (M-72170, SRT, "Ductal hyperplasia, Usual").*
111250	*Adenomyoepitheliom a*	*Neoplasms composed of myoepithelial cells*	*Retired. Replaced with (M-89830, SRT, "Adenomyoepithelioma").*
111251	Normal axillary node	Axillary node that is normal in appearance with no associated pathology	
111252	Axillary node with calcifications	Axillary node containing calcifications	
111253	Axillary node hyperplasia	Excessive proliferation of normal tissue arrangement of the axillary node	
111254	*Asynchronous involution*		*Retired. Replaced with (F-8A063, SRT, "Asynchronous involution of breast").*
111255	Benign cyst with blood	Cyst with benign morphology containing blood	
111256	Benign Calcifications	Calcifications having typically benign morphology. They are not of intermediate or high probability of concern for malignancy.	
111257	*Intracystic papilloma*	*Growing within a cystic adenoma, filling the cavity with a mass of branching epithelial processes*	*Retired. Replaced with (M-85040, SRT, "Intracystic papilloma").*
111258	Ductal adenoma	Adenoma located in mammary duct, present as discrete sclerotic nodules, solitary or mulitple	
111259	Diabetic fibrous mastopathy	The occurrence of fibrous tumor-forming stromal proliferation in patients with diabetes mellitus	

111260	*Extra abdomenal desmoid*	*A deep seated firm tumor frequently occurring on the chest consisting of collagenous tissue that infiltrates surround muscle; frequently recurs but does not metastasize*	*Retired. Replaced with (M-88211, SRT, "Extra abdominal desmoid").*
111262	*Epidermal inclusion cyst*	*A cyst formed of a mass of epithelial cells, as a result of trauma has been pushed beneath the epidermis. The cyst is lined with squamous epithelium and contains concentric layers or keratin*	*Retired. Replaced with (M-33410, SRT, "Epidermal inclusion cyst").*
111263	Fibroadenomatoid hyperplasia	Excessive proliferation of fibroadenoma tissue	
111264	Fibroadenolipoma	A lipoma with an abundant stroma of fibrous tissue	
111265	*Foreign body (reaction)*		*Retired. Replaced with (M-44140, SRT, "Foreign body (reaction)").*
111269	*Galactocele*	*Retention cyst caused by occlusion of a lactiferous duct*	*Retired. Replaced with (D7-90364, SRT, "Galactocele").*
111271	*Hemangioma – nonparenchymal, subcutaneous*	*A congenital anomaly that leads to a proliferation of blood vessels leading to a mass that resembles a neoplasm, not located in parenchymal areas but subcutaneous*	*Retired. Replaced with (D3-F0620, SRT, "Hemangioma of subcutaneous tissue").*
111273	*Hyperplasia, usual*		*Retired. Replaced with (M-72000, SRT, "Hyperplasia, usual").*
111277	Juvenile papillomatosis	A form of fibrocystic disease in young woman with florid and sclerosing adenosis that microscopically may suggest carcinoma	
111278	*Lactating adenoma*	*Enlarging masses during lactation. A circumscribed benign tumor composed primarily of glandular structures with scanty stroma, with prominent secretory changes in the duct*	*Retired. Replaced with (M-82040, SRT, "Lactating adenoma").*
111279	Lactational change	Changes related to the process of lactation	
111281	Large duct papilloma	A papilloma pertaining to large mammary duct	
111283	*Myofibroblastoma*	*Solitary or multiple tumors of muscles and fibrous tissues, or tumors composed of myofibroblasts*	*Retired. Replaced with (M-88250, SRT, "Myofibroblastoma").*

111284	Microglandular adenosis	Irregular clusters of small tubules are present in adipose or fibrous tissue, resembling tubular carcinoma but lacking stromal fibroblastic proliferation	
111285	Multiple Intraductal Papillomas	Papilloma typically involving an aggregate of adjacent ducts in the periphery of the breast, likely representing involvement of several foci of one or two duct systems	
111286	No abnormality	No abnormality	
111287	Normal breast tissue	Normal breast tissue	
111288	*Neurofibromatosis*	*Condition in which there are tumors of various sizes on peripheral nerves. They may be neuromas or fibromas*	*Retired. Replaced with (M-95401, SRT, "Neurofibromatosis").*
111290	Oil cyst (fat necrosis cyst)	A cyst resulting from the loss of the epithelial lining of a sebaceous dermoid or lacteal cyst	
111291	Post reduction mammoplasty	Breast tissue with characteristics of a benign nature, following breast reduction surgery	
111292	Pseudoangiomatous stromal hyperplasia	A benign stromal lesion composed of intermixed stromal and epithial elements. The lobular and duct structures of the breast parenchyma are separated by an increased amount of stroma, non specific proliferative epithelial changes include hyperplasia of duct and lobular epithelium often with accentuation of myoepithelial cells and aprocine metaplasia with or without cyst formation	
111293	*Radial scar*	*An nonencapsulated stellate lesion consisting of a fibroelastic core and radiating bands of fibrous connective tissue containing lobules manifesting adenosis and ducts with papillary or diffuse intraductal hyperplasia*	*Retired. Replaced with (M-78731, SRT, "Radial scar").*
111294	*Sclerosing adenosis*	*Prominent interductal fibrosis of the terminal ductules*	*Retired. Replaced with (M-74220, SRT, "Sclerosing adenosis").*
111296	Silicone granuloma	Nodular inflammatory lesions due to the presence of silicone in the breast tissue	
111297	Nipple Characteristic	The morphologic status of the	

		nipple	
111298	Virginal hyperplasia	Spontaneous excessive proliferation of breast tissue, usually found in younger women	
111299	Peripheral duct papillomas	Papilloma(s) pertaining the peripheral ducts	
111300	Axillary node with lymphoma	Axillary node with lymphoid tissue neoplasm	
111301	Axillary nodal metastases	Metastatic disease to the axillary node	
111302	*Angiosarcoma*	*A malignant neoplasm occurring most often in breast and skin, believed to originate from endothelial cells of blood vessels, microscopically composed of closely packed round or spindle shaped cells, some of which line small spaces resembling vascular clefts*	*Retired. Replaced with (M-91203, SRT, "Angiosarcoma").*
111303	Blood vessel (vascular) invasion	Histological changes to the vascular system related to an invasive process	
111304	Carcinoma in children	Carcinoma of the breast found in patients less than 20 years of age	
111305	Carcinoma in ectopic breast	A carcinoma found in supernumerary breasts and aberrant breast tissue	
111306	Carcinoma with endocrine differentiation	A carcinoma that synthesizes substances, including hormones, not considered to be normal products of the breast	
111307	Basal cell carcinoma of nipple	A basal cell carcinoma that arises in the nipple of the breast	
111308	*Carcinoma with metaplasia*		*Retired. Replaced with (M-85733, SRT, "Carcinoma with metaplasia").*
111309	Cartilaginous and osseous change	Tissue changes to bones and cartilage	
111310	Carcinoma in pregnancy and lactation	Carcinoma of the breast presenting during pregnancy or lactation	
111311	*Carcinosarcoma*	*A malignant neopalsm that contains elements of carcinoma and sarcoma, so extensively intermixed as to indicate neoplasia of epithelial and mesenchymal tissue*	*Retired. Replaced with (M-89803, SRT, "Carcinosarcoma").*
111312	Intraductal comedocarcinoma	Comedocarcinoma of a duct with areas of necrotic tissue	

	with necrosis		
111313	Intraductal carcinoma, low grade	A non-invasive carcinoma restricted to the glandular lumen characterized by less aggressive malignant cytologic features and behavior	
111314	*Intraductal carcinoma micro-papillary*		*Retired. Replaced with (M-85072, SRT, "Intraductal carcinoma micro-papillary").*
111315	Intracystic papillary carcinoma	A malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells found in a cyst	
111316	Invasive and in-situ carcinoma	Carcinoma with both characteristics of localized and spreading disease	
111317	*Invasive lobular carcinoma*		*Retired. Replaced with (M-85203, SRT, "Invasive lobular carcinoma").*
111318	Leukemic infiltration	Mammary infiltrates as a secondary manifestation in patients with established leukemia	
111320	Lympathic vessel invasion	Histological changes to the lymphatic system related to an invasive process	
111321	*Lymphoma*	*A heterogenous group of neoplasms arising in the reticuloendoethelial and lymphatic systems*	*Retired. Replaced with (M-95903, SRT, "Lymphoma").*
111322	Occult carcinoma presenting with axillary lymph node metastases	A small carcinoma, either asymptomatic or giving rise to metastases without symptoms due to the primary carcinoma presenting with metastatic disease in the axillary lymph nodes	
111323	Metastatic cancer to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a non-mammary malignant neoplasm	
111324	Metastatic cancer to the breast from the colon	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the colon	
111325	Metastatic cancer to	A malignant lesion in the breast	

	the breast from the lung	with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the lung	
111326	Metastatic melanoma to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a melanoma	
111327	Metastatic cancer to the breast from the ovary	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the ovary	
111328	Metastatic sarcoma to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a sarcoma	
111329	Multifocal intraductal carcinoma	Multiple foci of non-invasive carcinoma restricted to the glandular lumen	
111330	Metastatic disease to axillary node	A malignant lesion in an axillary node arising from a non-axillary neoplasm	
111331	*Malignant fibrous histiocytoma*		*Retired. Replaced with (M-88303, SRT, "Malignant fibrous histiocytoma").*
111332	Multifocal invasive ductal carcinoma	Multiple sites of ductal carcinoma	
111333	Metastasis to an intramammary lymph node	A malignant lesion in a intramammary lymph node arising from a non-intramammary lymph node neoplasm	
111334	Malignant melanoma of nipple	A malignant melanoma of the skin that arises in the nipple of the breast	
111335	*Neoplasm of the mammary skin*		*Retired. Replaced with (D0-F035F, SRT, "Neoplasm of the mammary skin").*
111336	*Papillary carcinoma in-situ*		*Retired. Replaced with (M-80502, SRT, "Papillary carcinoma in-situ").*
111338	Recurrent malignancy	Recurrent malignancy	
111340	Squamous cell carcinoma of the nipple	Squamous cell carcinoma to the terminal portion of the alveolar	
111341	Intraductal carcinoma, high	A non-invasive carcinoma restricted to the glandular lumen	

	grade	characterized by more aggressive malignant cytologic features and behavior	
111342	*Invasive cribriform carcinoma*		*Retired. Replaced with (M-82013, SRT, "Invasive cribriform carcinoma").*
111343	Angular margins	An indication that some or all of the margin of a lesion has sharp corners, often forming acute angles.	
111344	Fine pleomorphic calcification	Calcifications that vary in sizes and shapes and are usually smaller than 0.5 mm in diameter.	
111345	Macrocalcifications	Coarse calcifications that are 0.5 mm or greater in size.	
111346	Calcifications within a mass	An indicator that calcifications are imbedded within a mass	
111347	Calcifications outside of a mass	An indicator that calcifications are imaged outside of a mass finding	
111350	Breast background echotexture	Tissue composition of the breast noted on sonography.	
111351	Homogeneous fat echotexture	Fat lobules and uniformly echogenic bands of supporting structures comprise the bulk of breast tissue.	
111352	Homogeneous fibroglandular echotexture	A uniformly echogenic layer of fibroglandular tissue is seen beneath a thin layer of subcutaneous fat.	
111353	Heterogeneous echotexture	The breast texture is characterized by multiple small areas of increased and decreased echogenicity.	
111354	Orientation	Referential relationship of the finding to the imaging device as noted on sonography.	
111355	Parallel	The long axis of a lesion parallels the skin line ("wider-than-tall" or in a horizontal orientation).	
111356	Not parallel	The anterior-posterior or vertical dimension is greater than the transverse or horizontal dimension.	
111357	Lesion boundary	The lesion boundary describes	

		the transition zone between the mass and the surrounding tissue.	
111358	Abrupt interface	The sharp demarcation between the lesion and surrounding tissue can be imperceptible or a distinct well-defined echogenic rim of any thickness.	
111359	Echogenic halo	There is no sharp demarcation between the mass and the surrounding tissue which is bridged by an echogenic transition zone.	
111360	Echo pattern	An imaging characteristic of resonance noted during sonography	
111361	Anechoic	Without internal echoes	
111362	Hyperechoic	Having increased echogenicity relative to fat or equal to fibroglandular tissue	
111363	Complex	Mass contains both anechoic and echogenic components	
111364	Hypoechoic	Defined relative to fat; masses are characterized by low-level echoes throughout (e.g. appearance of a complicated cyst or fibroadenoma)	
111365	Isoechoic	Having the same echogenicity as fat (a complicated cyst or fibroadenoma may be isoechoic or hypoechoic)	
111366	Posterior acoustic features	The attenuation characteristics of a mass with respect to its acoustic transmission.	
111367	No posterior acoustic features	No posterior shadowing or enhancement	
111368	Posterior enhancement	Increased posterior echoes	
111369	Posterior shadowing	Decreased posterior echoes; edge shadows are excluded	
111370	Combined posterior enhancement and shadowing	More than one pattern of posterior attenuation, both shadowing and enhancement	

111371	Identifiable effect on surrounding tissues	Sonographic appearance of adjacent structures relative to a mass finding	
111372	Vascularity	Characterization of vascularization in region of interest.	
111373	Vascularity not present	Vascularity not evident, such as on ultrasound	
111374	Vascularity not assessed	Vascularity not evaluated	
111375	Vascularity present in lesion	Vascularity on imaging is seen within a lesion	
111376	Vascularity present immediately adjacent to lesion	Vascularity on imaging is seen immediately adjacent to a lesion	
111377	Diffusely increased vascularity in surrounding tissue	Vascularity on imaging is considered diffusely elevated within the surrounding breast tissue	
111380	Correlation to other Findings	Relationship of the new anomaly to other clinical or imaging anomalies	
111381	Correlates to physical exam findings	An indication that the current imaging finding relates to a finding from a clinical breast exam	
111382	Correlates to mammography findings	An indication that the current imaging finding relates to a finding from a mammography exam	
111383	Correlates to MRI findings	An indication that the current imaging finding relates to a finding from a breast MRI exam	
111384	Correlates to ultrasound findings	An indication that the current imaging finding relates to a finding from a breast ultrasound exam	
111385	Correlates to other imaging findings	An indication that the current imaging finding relates to a finding from an imaging exam	
111386	No correlation to other imaging findings	An indication that the current imaging finding has no relation to findings from any other imaging exam	
111387	No correlation to	An indication that the current	

	clinical findings	imaging finding has no relation to any other clinical findings	
111388	Malignancy Type	Classification of the cancer as invasive, DCIS, or other	
111389	Invasive breast carcinoma	A malignancy that has spread beyond an area of focus.	
111390	Other malignancy type	A breast cancer with malignant pathology findings that are not classified as invasive or in situ.	
111391	Menstrual Cycle Phase	A specific timeframe during menses	
111392	1st week	In the first week of the menstrual cycle phase, that is, one week following menses.	
111393	2nd week	In the second week of the menstrual cycle phase, that is, two weeks following menses.	
111394	3rd week	In the third week of the menstrual cycle phase, that is, three weeks following menses.	
111395	Estimated Timeframe	An estimated period of time	
111396	< 3 months ago	An event occurred less than 3 months ago.	
111397	4 months to 1 year ago	An event occurred between 4 months and 1 year ago.	
111398	> 1 year ago	An event occurred longer than 1 year ago.	
111399	Timeframe uncertain	The timing of an event is not recalled.	
111400	Breast Imaging Report	Report title for the diagnostic report for one or more breast imaging or intervention procedures.	
111401	Reason for procedure	Concept name for the description of why a procedure has been performed.	
111402	Clinical Finding	A finding during clinical examination (i.e., history and physical examination) such as pain, palpable mass or discharge.	
111403	Baseline screening mammogram	First screening mammogram taken for patient that is used as	

		a comparison baseline for further examinations.	
111404	First mammogram ever	First mammogram taken for a patient without regard to whether it was for screening or a diagnostic procedure.	
111405	Implant type	Concept name for the material of which a breast prosthetic device is constructed.	
111406	Number of similar findings	A numeric count of findings classified as similar in nature.	
111407	Implant finding	Concept name for the status of a breast prosthetic device as noted by imaging.	
111408	Film Screen Mammography	Mammogram using traditional x-ray film.	
111409	Digital Mammography	Mammogram using a digital image acquisition system.	
111410	Surgical consult	Referred for evaluation by a surgeon.	
111411	Mammography CAD	Computer aided detection and/or computer aided diagnosis for mammography.	
111412	Narrative Summary	Concept name for a text-based section of a report.	
111413	Overall Assessment	A title for a report section that summarizes all interpretation results for a report with one overriding assessment (e.g., benign or negative).	
111414	Supplementary Data	Concept name for a collection of supporting evidence for a report.	
111415	Additional evaluation requested from prior study	Prior study indicates that additional imaging be performed to further evaluate a suspicous or questionable anatomic region.	
111416	Follow-up at short interval from prior study	The prior study recommended a follow-up breast imaging exam in 1 to 11 months (generally in 6 months).	
111417	History of breast augmentation, asymptomatic	Prior breast augmentation (breast enlargement) and is not presenting with any symptoms.	
111418	Review of an outside study	Review or second opinion made on an image performed outside of the facility.	
111419	Additional evaluation requested from abnormal screening exam	Additional breast imaging perfomed at the time of the patient’s screening mammogram.	

111420	History of benign breast biopsy	Patient has had previous benign breast biopsies.	
111421	Personal history of breast cancer with breast conservation therapy	Patient has had a prior surgery such as a lumpectomy or quadrantectomy to remove malignant breast tissue, but breast tissue remains.	
111423	Physical Examination Results	The results of a physical examination performed on the patient, possibly including the results of inspection, palpation, auscultation, or percussion.	
111424	Comparison to previous findings	The result of assessing the current imaging exam in comparison to previous imaging exams.	
111425	Intraluminal filling defect	An abnormality observed during ductography where the ductal system within the breast fills in an abnormal pattern. Ductography is an imaging exam in which a radio opaque contrast media is introduced into the ductal system of the breast through the nipple and images of the ductal system are obtained.	
111426	Multiple filling defect	During ductography an observation of more than one filling abnormality within the breast ductal system.	
111427	Abrupt duct termination	An abnormality observed during ductography where the ductal system within the breast terminates in an unusual fashion.	
111428	Extravasation	Abnormal flowage of contrast media within the breast noted on ductography.	
111429	Duct narrowing	An abnormality observed during ductography where the ductal system within the breast appears narrow.	
111430	Cyst fill	During ductography an observation of the contrast media filling a cyst within the breast.	
111431	Instrument Approach	The area and line within the anatomy through which a needle or instrument passes during an interventional procedure.	
111432	Inferolateral to superomedial	The line within the anatomy from the lower outer to the upper	

		inner aspect, for example, through which a needle or instrument passes in an interventional procedure.	
111433	Inferomedial to superolateral	The line within the anatomy from the lower inner to the upper outer aspect, for example, through which a needle or instrument passes in an interventional procedure.	
111434	Superolateral to inferomedial	The line within the anatomy from the upper outer to the lower inner aspect, for example, through which a needle or instrument passes in an interventional procedure.	
111435	Superomedial to inferolateral	The line within the anatomy from the upper inner to the lower outer aspect, for example, through which a needle or instrument passes in an interventional procedure.	
111436	Number of passes	The number of times a biopsy instrument is passed through an area of interest.	
111437	Number of specimens	The number of biopsy specimens obtained from an interventional procedure.	
111438	Needle in target	An indicator of whether or not a biopsy or localizing needle in an interventional procedure is seen to be in the area of interest.	
111439	Number of needles around target	The number of localizing needles placed around the area of interest in an interventional procedure.	
111440	Incision made	An indicator of whether or not an incision was made in the anatomy during an interventional procedure.	
111441	*Microclip placed*	*An indicator of whether or not a radio opaque microclip was placed in the anatomy during an interventional procedure.*	*Retired. Replaced with (111123, DCM, "Marker placement")*
111442	Confirmation of target	An indicator of the degree of success of an interventional procedure.	
111443	Target completely contained in the specimen	An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen.	

111444	Target partially obtained in the specimen	An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen.	
111445	Target not in the specimen	An indicator that following an interventional procedure the area of interest is not seen in the resultant biopsy specimen.	
111446	Calcifications seen in the core	An indicator that following an interventional procedure the targeted calcifications are noted in the resultant biopsy specimen.	
111447	Lesion completely removed	An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen.	
111448	Lesion partially removed	An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen.	
111449	Fluid obtained	An indicator that during an interventional procedure fluid was successfully aspirated.	
111450	Light brown color	Color that is a light shade of brown.	
111451	Dark red color	Color that is a dark shade of red.	
111452	Dark brown color	Color that is a dark shade of brown.	
111453	Bright red color	Color that is a bright shade of red.	
111454	Blood tinged color	Color that is tinged with the color of blood.	
111455	Occult blood test result	An indicator of whether or not the fluid obtained during an interventional procedure contains red blood cells.	
111456	Action on fluid	An indicator of whether or not fluid during an interventional procedure was sent for cytological analysis or simply discarded.	
111457	Sent for analysis	An indicator that fluid obtained during an interventional procedure was sent to a laboratory for analysis.	
111458	Discarded	An indicator that fluid obtained during an interventional procedure was discarded.	

111459	Mass with calcifications	A radiopaque density noted during diagnostic imaging which has associated calcific densities.	
111460	Complex cyst	A fluid-filled sac with greater than normal characteristics.	
111461	Intracystic lesion	A tumor within a cyst.	
111462	Solid mass	A tumor or lesion.	
111463	Supplementary Data for Intervention	Supporting evidence for interpretation results of an interventional procedure.	
111464	Procedure Modifier	A descriptor that further qualifies or characterizes a type of procedure.	
111465	Needle Gauge	Needle size (diameter) characterization, for example, of a biopsy needle.	
111466	Severity of Complication	An indicator of the gravity of a problem experienced by a patient, related to a procedure that was performed.	
111467	Needle Length	Distance from the hub or bushing to the tip of the needle.	
111468	Pathology Results	The collection of observations and findings from pathologic analysis.	
111469	Sampling DateTime	The date and time that the sample was collected from the patient.	
111470	Uninvolved	Indicates that the margin of the biopsy specimen was not involved with the tumor.	
111471	Involved	Indicates that the margin of the biopsy specimen was involved with the tumor.	
111472	Nipple involved	Indicates whether the nipple was involved in an interventional procedure or pathologic analysis.	
111473	Number of nodes removed	Indicates the number of lymph nodes removed.	
111474	Number of nodes positive	Indicates the number of lymph nodes removed that contain cancer cells.	
111475	Estrogen receptor	The result of a test for the presence of a protein that binds with estrogen.	
111476	Progesterone receptor	The result of a test for the presence of a protein that binds with progesterone.	

111477	S Phase	Indicates the percentage of cells in S phase. Cell division is defined by phases; the S phase is the stage during which DNA replicates.	
111478	Non-bloody discharge (from nipple)	The visible emission of non-bloody fluid from the nipple.	
111479	Difficult physical/clinical examination	The inability to discern normal versus abnormal breast tissue during palpation.	
111480	Cancer elsewhere	An indication that a patient has or had a malignant occurrence in an area of the body other than the breast.	
111481	Saline implant	A salt water filled prosthetic device implanted in the breast.	
111482	Polyurethane implant	A polymer based (plastic) prosthetic device implanted in the breast.	
111483	Percutaneous silicone injection	The introduction of polymeric organic silicon based material through the skin, as for breast augmentation or reconstruction.	
111484	Combination implant	A prosthetic device that contains more than one material implanted in the breast.	
111485	Pre-pectoral implant	A breast implant placed in front of the pectoralis major muscle.	
111486	Retro-pectoral implant	A breast implant placed behind the pectoralis major muscle.	
111487	Mammographic (crosshair)	Using x-ray technique and a superimposed set of crossed lines for detection or placement.	
111488	Mammographic (grid)	Using x-ray technique and a superimposed aperture for detection or placement.	
111489	Palpation guided	Using physical touch for detection or placement.	
111490	Vacuum assisted	The performance of a biopsy procedure using a vacuum device attached to the biopsy needle.	
111491	Abnormal discharge	Unusual or unexpected emission of fluid.	
111492	No complications	Having experienced no adverse medical conditions related to or resulting from an interventional procedure.	
111494	Stage 0	TNM grouping of tumor stage,	

		from AJCC, where primary tumor is Tis, regional lymph node is N0, and distant metastasis is M0.	
111495	Stage I	TNM grouping of tumor stage, from AJCC, where primary tumor is T1, regional lymph node is N0, and distant metastasis is M0.	
111496	Stage IIA	TNM grouping of tumor stage, from AJCC, where primary tumor is T0 or T1, with regional lymph node N1 and distant metastasis is M0, or T2 with N0 and M0.	
111497	Stage IIB	TNM grouping of tumor stage, from AJCC, where primary tumor is T2, with regional lymph node N1 and distant metastasis is M0, or T3 with N0 and M0.	
111498	Stage IIIA	TNM grouping of tumor stage, from AJCC, where primary tumor is T0, T1 or T2, with regional lymph node N2 and distant metastasis is M0, or T3 with N1 or N2 and M0.	
111499	Stage IIIB	TNM grouping of tumor stage, from AJCC, where primary tumor is T4, regional lymph node is N0, N1 or N2, and distant metastasis is M0.	
111500	Stage IIIC	TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is N3, and distant metastasis is M0.	
111501	Stage IV	TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is any N value, and distant metastasis is M1.	
111502	Bloom-Richardson Grade	Histologic tumor grade (sometimes called Scarff-Bloom-Richardson grade) is based on the arrangement of the cells in relation to each other -- whether they form tubules, how closely they resemble normal breast cells (nuclear grade) and how many of the cancer cells are in the process of dividing (mitotic count).	
111503	Normal implants	Breast prosthetic devices are intact, not leaking, and are in a normal shape and form.	

111504	Asymmetric implants	Breast prosthetic devices are not symmetric, equal, corresponding in form, or are in one breast (unilateral).	
111505	Calcified implant	Fibrous or calcific contracture of the tissue capsule that forms around a breast prosthetic device.	
111506	Distorted implant	Breast prosthetic device is twisted out of normal shape or form.	
111507	Silicone-laden lymph nodes	Silicone from breast prosthetic device found in lymphatic tissue.	
111508	Free silicone	Silicone found in breast tissue outside of the prosthetic capsule or implant membrane.	
111509	Herniated implant	Protrusion of part of the structure normally encapsulating the content of the breast prosthetic device.	
111510	Explantation	Evidence of removal of a breast prosthetic device.	
111511	Relevant Patient Information for Breast Imaging	Historical patient health information of interest to the breast health clinician.	
111512	*Medication History*	*Information regarding usage by the patient of certain medications, such as hormones.*	*Retired, Replaced with (10160-2, LN, "History Of Medication Use")*
111513	Relevant Previous Procedures	Interventional or non-interventional procedures previously performed on the patient, such as breast biopsies.	
111514	*Relevant Indicated Problems*	*Abnormal conditions experienced by the patient which serve as the reason for performing a procedure, such as a breast exam.*	*Retired, Replaced with (11450-4, LN, "Problem List")*
111515	Relevant Risk Factors	Personal, familial, and other health factors that may indicate an increase in the patient's chances of developing a health condition or disease, such as breast cancer.	
111516	Medication Type	A classification of a medicinal substance, such as hormonal contraceptive or antibiotic.	
111517	Relevant Patient Information	Historical patient health information for general purpose use.	
111518	Age when first menstrual period	The age of the patient at the first occurrence of menses.	

	occurred		
111519	Age at First Full Term Pregnancy	The age of the patient at the time of her first full term pregnancy.	
111520	Age at Menopause	The age of the patient at the cessation of menses.	
111521	Age when hysterectomy performed	The age of the patient at the time her uterus was removed.	
111522	Age when left ovary removed	The age of the patient at the time she had her left ovary removed.	
111523	Age when right ovary removed	The age of the patient at the time she had her right ovary removed.	
111524	Age Started	The age of a patient on the first occurrence of an event, such as the first use of a medication.	
111525	Age Ended	The age of a patient on the last occurrence of an event, such as the last use of a medication.	
111526	DateTime Started	The date and time of the first occurrence of an event, such as the first use of a medication.	
111527	DateTime Ended	The date and time of the last occurrence of an event, such as the last use of a medication.	
111528	Ongoing	An indicator of whether an event is still in progress, such as the use of a medication or substance, or environmental exposure.	
111529	Brand Name	Product name of a device or substance, such as medication, to identify it as the product of a single firm or manufacturer.	
111530	Risk Factor modifier	A descriptor that further qualifies or characterizes a risk factor.	
111531	Previous Procedure	A prior non-interventional exam or interventional procedure performed on a patient.	
111532	Pregnancy Status	Describes the pregnancy state of a referenced subject.	
111533	Indicated Problem	A symptom experienced by a patient that is used as the reason for performing an exam or procedure.	
111534	Role of person reporting	The function of the individual who is reporting information on a patient, which could be a specific	

		health care related profession, the patient him/herself, or a relative or friend.	
111535	DateTime problem observed	The date and time that a symptom was noted.	
111536	DateTime of last evaluation	The date and time of the most recent evaluation of an indicated problem.	
111537	Family Member with Risk Factor	A patient's biological relative who exhibits a health factor that may indicate an increase in the patient's chances of developing a particular disease or medical problem.	
111538	Age at Occurrence	The age at which an individual experienced a specific event, such as breast cancer.	
111539	Menopausal phase	The current stage of an individual in her gynecological development.	
111540	Side of Family	An indicator of paternal or maternal relationship.	
111541	Maternal	Relating to biological female parentage.	
111542	Unspecified gynecological hormone	A gynecological hormone (e.g., contraceptive, estrogen, Tamoxifen) for which the specific type is not specified.	
111543	Breast feeding history	An indicator of whether or not a patient ever provided breast milk to her offspring.	
111544	Average breast feeding period	The average length of time that a patient provided breast milk to her offspring.	
111545	Substance Use History	Information regarding usage by the patient of certain legal or illicit substances.	
111546	Used Substance Type	A classification of a substance, such as alcohol or a legal or illicit drug.	
111547	Environmental Exposure History	Information regarding exposure of the patient to potentially harmful environmental factors.	
111548	Environmental Factor	A classification of a potentially harmful substance or gas in a subject's environment, such as asbestos, lead, or carcinogens.	
111549	Previous Reports	Previous Structured Reports that could have relevant information for a current imaging service request.	

111550	Personal breast cancer history	An indication that a patient has had a previous malignancy of the breast.	
111551	History of endometrial cancer	Indicates a previous occurrence of cancer of the lining of the uterus.	
111552	History of ovarian cancer	Indicates a previous occurrence of cancer of the lining of the ovary.	
111553	History of high risk lesion on previous biopsy	Indicates a prior diagnosis of pre-cancerous cells or tissue removed for pathologic evaluation.	
111554	Post menopausal patient	A female patient whose menstrual periods have ceased.	
111555	Late child bearing (after 30)	A female patient whose first child was born after the patient was 30 years old.	
111556	BRCA1 breast cancer gene	The first level genetic marker indicating risk for breast cancer.	
111557	BRCA2 breast cancer gene	The second level genetic marker indicating risk for breast cancer.	
111558	BRCA3 breast cancer gene	The third level genetic marker indicating risk for breast cancer.	
111559	Weak family history of breast cancer	A patient's biological aunt, grandmother, or female cousin was diagnosed with breast cancer. Definition from BI-RADS®.	
111560	Intermediate family history of breast cancer	A patient's biological mother or sister was diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®.	
111561	Very strong family history of breast cancer	A patient's biological mother or sister was diagnosed with breast cancer before they had gone through menopause, or more than one of the patient's first-degree relatives (biological mother or sister) were diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®.	
111562	Family history of prostate cancer	Previous diagnosis of a malignancy of the prostate gland in a biological relative.	
111563	Family history unknown	The health record of a patient's biological relatives is not known.	
111564	Nipple discharge cytology	The study of cells obtained from fluid emitted from the breast.	

111565	Uterine malformations	A developmental abnormality resulting in an abnormal shape of the uterus.	
111566	Spontaneous Abortion	A naturally occurring premature expulsion from the uterus of the products of conception – the embryo or a nonviable fetus.	
111567	Gynecologic condition	An ailment/abnormality or state of the female reproductive tract.	
111568	Gynecologic surgery	A surgical operation performed on any portion of the female reproductive tract.	
111569	Previous LBW or IUGR birth	Prior pregnancy with a low birth weight baby or a fetus with Intrauterine Growth Restriction or Retardation.	
111570	Previous fetal malformation/syndrome	History of at least one prior pregnancy with fetal anatomic abnormality(s).	
111571	Previous RH negative or blood dyscrasia at birth	History of delivering a Rhesis Isoimmunization affected child(ren) or a child(ren) with another blood disorder.	
111572	History of multiple fetuses	History of at least one pregnancy that contained more than one fetus (e.g., twins, triplets, etc.)	
111573	Current pregnancy, known or suspected malformations/syndromes	At least one fetus of this pregnancy has an anatomic abnormality(s) that is known to exist, or a “marker” is present that suggests the abnormality(s) may be present.	
111574	Family history, fetal malformation/syndrome	Biological relatives have previously conceived a fetus with an anatomic abnormality(s).	
111575	High	A subjective descriptor for an elevated amount of exposure, use, or dosage, incurring high risk of adverse effects.	
111576	Medium	A subjective descriptor for a moderate amount of exposure, use, or dosage, incurring medium risk of adverse effects.	
111577	Low	A subjective descriptor for a limited amount of exposure, use, or dosage, incurring low risk of adverse effects.	
111578	Dose frequency	A measurement of the rate of occurrence of which a patient takes a certain medication.	
111579	Rate of exposure	The quantity per unit of time that	

		a patient was or is being exposed to an environmental irritant.	
111580	Volume of use	The quantity per unit of time that a medication or substance was or is being used.	
111581	Relative dose amount	A qualitative descriptor for the amount of a medication that was or is being taken.	
111582	Relative amount of exposure	A qualitative descriptor for the amount of present or past exposure to an environmental irritant.	
111583	Relative amount of use	A qualitative descriptor for the amount of a medication or substance that was or is being used.	
111584	Relative dose frequency	A qualitative descriptor for the frequency with which a medication was or is being taken.	
111585	Relatve frequency of exposure	A qualitative descriptor for the frequency of present or past exposure to an environmental irritant.	
111586	Relative frequence of use	A qualitative descriptor for the frequency with which a medication or substance was or is being used.	
111590	Recall for technical reasons	Patient returns for additional images to improve the quality of the most recent exam.	
111591	Recall for imaging findings	Patient returns for additional images to clarify findings from the most recent exam.	
111592	Recall for patient symptoms/ clinical findings	Patient returns for additional images to clarify symptoms or signs reported by the patient or a healthcare professional at the time of the most recent exam.	
111601	Green filter	Filter that transmits one third of white light (green) while blocking the other two thirds	
111602	Red filter	Filter that transmits one third of white light (red) while blocking the other two thirds	
111603	Blue filter	Filter that transmits one third of white light (blue) while blocking the other two thirds	
111604	Yellow-green filter	A filter of 560nm that is used for retinal imaging and can provide	

		good contrast and good visibility of the retinal vasculature	
111605	Blue-green filter	A filter of 490nm that is used for retinal imaging because of excessive scattering of some retinal structures at very short wavelengths	
111606	Infrared filter	Filter that transmits the infrared spectrum, which is light that lies outside of the visible spectrum, with wavelengths longer than those of red light, while blocking visible light	
111607	Polarizing filter	A filter that reduces reflections from non-metallic surfaces such as glass or water by blocking light waves that are vibrating at selected angles to the filter.	
111609	No filter	No filter used	
111621	Field 1 for Joslin 3 field	Joslin NM-1 is a 45 degree field focused centrally between the temporal margin of optic disc and the center of the macula: Center the camera on the papillomacular bundle midway between the temporal margin of the optic disc and the center of the macula. The horizontal centerline of the image should pass directly through the center of the disc	
111622	Field 2 for Joslin 3 field	Joslin NM-2 is a 45 degree field focused superior temporal to the optic disc: Center the camera laterally approximately one-half disc diameter temporal to the center of the macula. The lower edge of the field is tangent to a horizontal line passing through the upper edge of the optic disc. The image is taken temporal to the macula but includes more retinal nasal and superior to the macula than standard field 2.	
111623	Field 3 for Joslin 3 field	Joslin NM-3 is a 45 degree field focused nasal to the optic disc: This field is nasal to the optic disc and may include part of the optic disc. The horizontal centerline of the image should pass tangent to the lower edge of the optic disc.	
111625	Diffuse direct illumination	A broad or “soft” light supplied from a single source.	

111626	Scheimpflug Camera	A slit reflected light microscope, which has the ability to form an image of the back scattered light from the eye in a sagittal plane. Scheimpflug cameras are able to achieve a wide depth of focus by employing the “Sheimpflug principle” where the lens and image planes are not parallel with each other. Rotating Sheimplug cameras are able to generate three-dimensional images and calculate measurements of the anterior chamber of the eye.	
111631	Average Glandular Dose	Calculated from values of entrance eposure in air, the X-ray beam quality (half-value layer), and compressed breast thickness, is the energy deposited per unit mass of glandular tissue averaged over all the glandular tissue in the breast.	
111632	Anode Target Material	The primary material in the anode of an x-ray source.	
111633	Compression Thickness	The average thickness of the body part examined when compressed, if compression has been applied during x-ray exposure.	
111634	Half Value Layer	Thickness of Aluminum required to reduce the X-Ray output at the patient entrance surface by a factor of two.	
111635	X-Ray Grid	An anti-scatter device based on radiation absorbing strips above the detector, for example in the patient support.	
111636	Entrance Exposure at RP	Exposure measurement in air at the reference point that does not include back scatter, according to MQCM 1999.	
111637	Accumulated Average Glandular Dose	Average Glandular Dose to a single breast accumulated over multiple images.	
111641	Fixed grid	An X-Ray Grid that does not move during exposure.	
111642	Focused grid	An X-Ray Grid with radiation absorbing strips that are focused toward the focal spot, to eliminate grid cutoff.	

111643	Reciprocating grid	An X-Ray Grid that is designed to move during exposure, to eliminate the appearance of grid lines on the image.	
111644	Parallel grid	An X-Ray Grid with radiation absorbing strips that are parallel to each other and that is used only with long source to image distances.	
111645	Crossed grid	An X-Ray Grid with crossed radation absorbing strips used for more complete cleanup of scatter radiation.	
111646	No grid	No X-Ray Grid was used due to low scatter conditions.	
111690	Macular Grid Thickness and Volume Report	A macular grid thickness and volume report for a patient. The macular grid is an analytic tool described in PS3.1.	
111691	Number of Images Used for Macular Measurements	Number of images used for the macular grid measurement.	
111692	Number of Samples Used per Image	Number of samples used per Image for analysis	
111693	Analysis Quality Rating	A numeric rating of the quality of the entire analysis with respect to grading and diagnostic purposes. Higher numbers indicate greater quality.	
111694	Image Set Quality Rating	A numeric rating of the quality of an entire image set with respect to grading and diagnostic purposes. Higher numbers indicate greater quality.	
111695	Interfering Tears or Drops	Tear film or drops affecting test quality	
111696	Visual Fixation Quality During Acquisition	The assessment of the centricity and persistence of the visual fixation (direction of gaze) during the acquisition	
111697	Visual Fixation Quality Problem	The reason why the patient's visual fixation was not steady or was indeterminate	
111698	Ophthalmic Macular Grid Problem	The reason why the macular grid measurements may be questionable	
111700	Specimen Container Identifier	Identifier of container (box, block, microscope slide, etc.) for the specimen under observation	

111701	Processing type	Type of processing that tissue specimen underwent	
111702	Datetime of processing	Date and time of processing step	
111703	Processing step description	Description of the individual step in the tissue processing sequence	
111704	Sampling Method	Method of sampling used to derive specimen from its parent	
111705	Parent Specimen Identifier	Identifier of the parent specimen which gave rise to the current specimen	
111706	Issuer of Parent Specimen Identifier	Assigning authority for parent specimen's identifier	
111707	Parent specimen type	Parent specimen type which gave rise to current specimen	
111708	Position Frame of Reference	Description of coordinate system and origin reference point on parent specimen, or parent specimen container, or image used for localizing the sampling site or location within container or image	
111709	Location of sampling site	Reference to image of parent specimen localizing the sampling site; may include referenced Presentation State object	
111710	Location of sampling site X offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111711	Location of sampling site Y offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111712	Location of sampling site Z offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111718	Location of Specimen	Description of specimen location, either in absolute terms or relative to the Position Frame of Reference	
111719	Location of Specimen X offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the X dimension	
111720	Location of Specimen Y offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the Y dimension	

111721	Location of Specimen Z offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the Z dimension	
111723	Visual Marking of Specimen	Description of visual distinguishing idenitifiers, e.g., ink, or a particular shape of the specimen	
111724	Issuer of Specimen Identifier	Assigning authority for specimen identifier	
111726	Dissection with entire specimen submission	Dissection of specimen with submission of all its sections for further processing or examination	
111727	Dissection with representative sections submission	Dissection of specimen with submission of representative sections for further processing or examination	
111729	Specimen storage	A workflow step, during which tissue specimens are stored in a climate-controlled environment	
112000	Chest CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to chest imaging and associated clinical information.	
112001	Opacity	The shadow of an absorber that attenuates the X-ray beam more effectively than do surrounding absorbers. In a radiograph, any circumscribed area that appears more nearly white (of lesser photometric density) than its surround [Fraser and Pare].	
112002	Series Instance UID	A unique identifier for a series of DICOM SOP instances.	
112003	Associated Chest Component	A named anatomic region within the chest cavity.	
112004	Abnormal interstitial pattern	A collection of opacities detected within the continuum of loose connective tissue throughout the lung, that is not expected in a diagnostically normal radiograph.	
112005	Radiographic anatomy	A type of anatomy that is expected to be detectable on a radiographic (X-ray based) image.	
112006	Distribution Descriptor	Characteristic of the extent of spreading of a finding or feature.	
112007	Border definition	Characteristic of the clarity of the	

		boundary or edges of a finding or feature.	
112008	Site involvement	The part(s) of the anatomy affected or encompassed by a finding or feature.	
112009	Type of Content	Characteristic of the matter or substance within a finding or feature.	
112010	Texture Descriptor	Characteristic of the surface or consistency of a finding or feature.	
112011	Positioner Primary Angle	Position of the X-ray beam about the patient from the RAO to LAO direction where movement from RAO to vertical is positive.	
112012	Positioner Secondary Angle	Position of the X-ray beam about the patient from the caudal to cranial direction where movement from caudal to vertical is positive.	
112013	Location in Chest	The zone, lobe or segment within the chest cavity in which a finding or feature is situated.	
112014	Orientation Descriptor	Vertical refers to orientation parallel to the superior-inferior (cephalad-caudad) axis of the body, with horizontal being perpendicular to this, and an oblique orientation having projections in both the horizontal and vertical.	
112015	Border shape	Characteristic of the shape formed by the boundary or edges of a finding or feature.	
112015	Border shape	Characteristic of the shape formed by the boundary or edges of a finding or feature.	
112016	Baseline Category	Indicates whether a finding was considered a target lesion, non-target lesion, or non-lesion during evaluation of a baseline series, according to a method such as RECIST.	
112016	Baseline Category	Indicates whether a finding was considered a target lesion, non-target lesion, or non-lesion during evaluation of a baseline series, according to a method such as RECIST.	
112017	Cavity extent as percent of volume	The extent of a detected cavity, represented as the percent of the surrounding volume that it	

		occupies.	
112017	Cavity extent as percent of volume	The extent of a detected cavity, represented as the percent of the surrounding volume that it occupies.	
112018	Calcification extent as percent of surface	The extent of a detected calcification, represented as the percent of the surrounding surface that it occupies.	
112018	Calcification extent as percent of surface	The extent of a detected calcification, represented as the percent of the surrounding surface that it occupies.	
112019	Calcification extent as percent of volume	The extent of a detected calcification, represented as the percent of the surrounding volume that it occupies.	
112019	Calcification extent as percent of volume	The extent of a detected calcification, represented as the percent of the surrounding volume that it occupies.	
112020	Response Evaluation	A heading for the reporting of response evaluation for treatment of solid tumors.	
112021	Response Evaluation Method	The system applied in the reporting of response evaluation for treatment of solid tumors.	
112022	RECIST	Response Evaluation Criteria In Solid Tumors. See Normative References.	
112023	Composite Feature Modifier	A term which further specifies the name of an item that is an inferred correlation relating two or more individual findings or features.	
112024	Single Image Finding Modifier	A term which further specifies the name of an item that was detected on one image.	
112025	Size Descriptor	A qualitative descriptor for the extent of a finding or feature.	
112026	Width Descriptor	A qualitative descriptor for the thickness of tubular structures, such as blood vessels.	
112027	Opacity Descriptor	A characteristic that further describes the nature of an opacity.	
112028	Abnormal Distribution of Anatomic Structure	The type of adverse affect that a finding or feature is having on the surrounding anatomy.	
112029	WHO	Response evaluation method as defined in chapter 5, “Reporting	

		of Response" of the WHO Handbook for Reporting Results for Cancer Treatment. See Normative References.	
112030	Calcification Descriptor	Identification of the morphology of detected calcifications.	
112031	Attenuation Coefficient	A quantitative numerical statement of the relative attenuation of the X-ray beam at a specified point; for example, expressed in Hounsfield units [referred to as CT Number in Fraser and Pare].	
112032	Threshold Attenuation Coefficient	An X-ray attenuation coefficient that is used as a threshold, for example, in calcium scoring.	
112033	Abnormal opacity	An opacity that is not expected in a diagnostically normal radiograph.	
112034	Calculation Description	A textual description of the mathematical method of calculation which resulted in a calculated value.	
112035	Performance of Pediatric and Adult Chest Radiography, ACR	American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Chest Radiography. In: Standards. Reston, Va: 2001:95-98.	
112036	ACR Position Statement	American College of Radiology. ACR Position Statement for Quality Control and Improvement, Safety, Infection Control, and Patient Concerns. In: *Practice Guidelines and Technical Standards*. Reston, Va: 2001:iv.	
112037	Non-lesion Modifier	A descriptor for a non-lesion object finding or feature, used to indicate whether the object was detected as being internal or external to the patient's body.	
112038	Osseous Modifier	A concept modifier for an Osseous Anatomy, or bone related, finding.	
112039	Tracking Identifier	A text label used for tracking a finding or feature, potentially across multiple reporting objects, over time. This label shall be unique within the domain in which it is used.	
112040	Tracking Unique	A unique identifier used for	

	Identifier	tracking a finding or feature, potentially across multiple reporting objects, over time.	
112041	Target Lesion Complete Response	Disappearance of all target lesions.	
112042	Target Lesion Partial Response	At least a 30% decrease in the sum of the Longest Diameter of target lesions, taking as reference the baseline sum Longest Diameter.	
112043	Target Lesion Progressive Disease	At least a 20% increase in the sum of the Longest Diameter of target lesions, taking as reference the smallest sum Longest Diameter recorded since the treatment started, or the appearance of one or more new lesions.	
112044	Target Lesion Stable Disease	Neither sufficient shrinkage to qualify for Partial Response nor sufficient increase to qualify for Progressive Disease, taking as reference the smallest sum Longest Diameter since the treatment started.	
112045	Non-Target Lesion Complete Response	Disappearance of all non-target lesions and normalization of tumor marker level.	
112046	Non-Target Lesion Incomplete Response or Stable Disease	Persistence of one or more non-target lesions and/or maintenance of tumor marker level above the normal limits.	
112047	Non-Target Lesion Progressive Disease	Appearance of one or more new lesions and/or unequivocal progression of existing non-target lesions.	
112048	Current Response	The current response evaluation for treatment of solid tumors, according to a method such as RECIST.	
112049	Best Overall Response	Best response recorded from the start of the treatment until disease progression/recurrence, taking as reference for Progressive Disease the smallest measurements recorded since the treatment started, according to a method such as RECIST.	
112050	Anatomic Identifier	A text identifier of an anatomic feature when a multiplicity of features of that type may be present, such as “Rib 1”, “Rib 2”	

		or thoracic vertibrae “T1” or “T2”.	
112051	Measurement of Response	A measured or calculated evaluation of response. For example, according to a method such as RECIST, the value would be the calculated sum of the lengths of the longest axes of a set of target lesions.	
112052	Bronchovascular	Of or relating to a bronchial (lung) specific channel for the conveyance of a body fluid.	
112053	Osseous	Of, relating to, or composed of bone.	
112054	Secondary pulmonary lobule	The smallest unit of lung surrounded by connective tissue septa; the unit of lung subtended by any bronchiole that gives off three to five terminal bronchioles [Fraser and Pare].	
112055	Agatston scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the maximum X-ray attenuation coefficient and the area of calcium deposits.	
112056	Volume scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the volume of each calcification, typically expressed in mm3.	
112057	Mass scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the total mass of calcification, typically expressed in mg.	
112058	Calcium score	A measure often arrived at through calculation of findings from CT examination, which is a common predictor of significant stenosis of the coronary arteries.	
112059	Primary complex	The combination of a focus of pneumonia due to a primary infection with granulomas in the draining hilar or mediastinal lymph nodes [Fraser and Pare].	
112060	Oligemia	General or local decrease in the apparent width of visible pulmonary vessels, suggesting less than normal blood flow (reduced blood flow) [Fraser and Pare].	

112061	Abnormal lines (1D)	Linear opacity of very fine width, i.e. a nearly one dimensional opacity.	
112062	Abnormal lucency	Area of abnormal very low X-ray attenuation, typically lower than aerated lung when occuring in or projecting over lung, or lower than soft tissue when occurring in or projecting over soft tissue.	
112063	Abnormal calcifications	A calcific opacity within the lung that may be organized, but does not display the trabecular organization of true bone [Fraser and Pare].	
112064	Abnormal texture	Relatively homogeneous, extended, pattern of abnormal opacity in the lung, typically low in contrast.	
112065	Reticulonodular pattern	A collection of innumerable small, linear, and nodular opacities that together produce a composite appearance resembling a net with small superimposed nodules. The reticular and nodular elements are dimensionally of similar magnitude [Fraser and Pare].	
112066	Beaded septum sign	Irregular septal thickening that suggests the appearance of a row of beads; usually a sign of lymphangitic carcinomatosis, but may also occur rarely in sarcoidosis [Fraser and Pare].	
112067	Nodular pattern	A collection of innumerable, small discrete opacities ranging in diameter from 2-10 mm, generally uniform in size and widespread in distribution, and without marginal spiculation [Fraser and Pare].	
112068	Pseudoplaque	An irregular band of peripheral pulmonary opacity adjacent to visceral pleura that simulates the appearance of a pleural plaque and is formed by coalescence of small nodules [Fraser and Pare].	
112069	Signet-ring sign	A ring of opacities (usually representing a dilated, thick-walled bronchus) in association with a smaller, round, soft tissue opacity (the adjacent pulmonary artery) suggesting a “signet ring” [Fraser and Pare].	

112070	Air bronchiologram	Equivalent of air bronchogram, but in airways assumed to be bronchioles because of peripheral location and diameter [Fraser and Pare].	
112071	Air bronchogram	Radiographic shadow of an air-containing bronchus; presumed to represent an air-containing segment of the bronchial tree (identity often inferred) [Fraser and Pare].	
112072	Air crescent	Air in a crescentic shape in a nodule or mass, in which the air separates the outer wall of the lesion from an inner sequestrum, which most commonly is a fungus ball of *Aspergillus* species [Fraser and Pare].	
112073	Halo sign	Ground-glass opacity surrounding the circumference of a nodule or mass. May be a sign of invasive aspergillosis or hemorrhage of various causes [Fraser and Pare].	
112074	Target Lesion at Baseline	Flag denoting that this lesion was identified, at baseline, as a target lesion intended for tracking over time [RECIST].	
112075	Non-Target Lesion at Baseline	Flag denoting that this lesion was not identified, at baseline, as a target lesion, and was not intended for tracking over time [RECIST].	
112076	Non-Lesion at Baseline	Flag denoting that this finding was identified, at baseline, as a category other than a lesion, and was not intended for tracking over time [RECIST].	
112077	Vasoconstriction	Local or general reduction in the caliber of visible pulmonary vessels, presumed to result from decreased flow occasioned by contraction of muscular pulmonary arteries [Fraser and Pare].	
112078	Vasodilation	Local or general increase in the width of visible pulmonary vessels resulting from increased pulmonary blood flow [Fraser and Pare].	
112079	Architectural distortion	A manifestation of lung disease in which bronchi, pulmonary vessels, a fissure or fissures, or	

		septa of secondary pulmonary lobules are abnormally displaced [Fraser and Pare].	
112080	Mosaic perfusion	A patchwork of regions of varied attenuation, interpreted as secondary to regional differences in perfusion [Fraser and Pare].	
112081	Pleonemia	Increased blood flow to the lungs or a portion thereof, manifested by a general or local increase in the width of visible pulmonary vessels [Fraser and Pare].	
112082	Interface	The common boundary between the shadows of two juxtaposed structures or tissues of different texture or opacity (edge, border) [Fraser and Pare].	
112083	Line	A longitudinal opacity no greater than 2 mm in width [Fraser and Pare].	
112084	Lucency	The shadow of an absorber that attenuates the primary X-ray beam less effectively than do surrounding absorbers. In a radiograph, any circumscribed area that appears more nearly black (of greater photometric density) than its surround [Fraser and Pare].	
112085	Midlung window	A midlung region, characterized by the absence of large blood vessels and by a paucity of small blood vessels, that corresponds to the minor fissure and adjacent peripheral lung [Fraser and Pare].	
112086	Carina angle	The angle formed by the right and left main bronchi at the tracheal bifurcation [Fraser and Pare].	
112087	Centrilobular structures	The pulmonary artery and its immediate branches in a secondary lobule; HRCT depicts these vessels in certain cases; a.k.a. core structures or lobular core structures [Fraser and Pare].	
112088	Anterior junction line	A vertically oriented linear or curvilinear opacity approximately 1-2 mm wide, commonly projected on the tracheal air shadow [Fraser and Pare].	

112089	Posterior junction line	A vertically oriented, linear or curvilinear opacity approximately 2 mm wide, commonly projected on the tracheal air shadow, and usually slightly concave to the right [Fraser and Pare].	
112090	Azygoesophageal recess interface	A space in the right side of the mediastinum into which the medial edge of the right lower lobe extends [Fraser and Pare].	
112091	Paraspinal line	A vertically oriented interface usually seen in a frontal chest radiograph to the left of the thoracic vertebral column [Fraser and Pare].	
112092	Posterior tracheal stripe	A vertically oriented linear opacity ranging in width from 2-5 mm, extending from the thoracic inlet to the bifurcation of the trachea, and visible only on lateral radiographs of the chest [Fraser and Pare].	
112093	Right tracheal stripe	A vertically oriented linear opacity approximately 2-3 mm wide extending from the thoracic inlet to the right tracheobronchial angle [Fraser and Pare].	
112094	Stripe	A longitudinal composite opacity measuring 2-5 mm in width; acceptable when limited to anatomic structures within the mediastinum [Fraser and Pare].	
112095	Hiatus	A gap or passage through an anatomical part or organ; *especially* **:** a gap through which another part or organ passes.	
112096	Rib Scalene Tubercle	A small rounded elevation or eminence on the first rib for the attachment of the scalenus anterior.	
112097	Vertebral Intervertebral Notch	A groove that serves for the transmission of the vertebral artery.	
112098	Subscapular Fossa	The concave depression of the anterior surface of the scapula.	
112099	Scapular Spine	A sloping ridge dividing the dorsal surface of the scapula into the supraspinatous fossa (above), and the infraspinatous fossa (below).	
112100	Scapular Supraspinatus Fossa	The portion of the dorsal surface of the scapula above the	

		scapular spine.	
112101	Scapular Infraspinatus Fossa	The portion of the dorsal surface of the scapula below the scapular spine.	
112102	Aortic knob	The portion of the aortic arch that defines the transition between its ascending and descending limbs.	
112103	Arch of the Azygos vein	Section of Azygos vein near the fourth thoracic vertebra, where it arches forward over the root of the right lung, and ends in the superior vena cava, just before that vessel pierces the pericardium.	
112104	Air-fluid level	A local collection of gas and liquid that, when traversed by a horizontal X-ray beam, creates a shadow characterized by a sharp horizontal interface between gas density above and liquid density below [Fraser and Pare].	
112105	Corona radiata	A circumferential pattern of fine linear spicules, approximately 5 mm long, extending outward from the margin of a solitary pulmonary nodule through a zone of relative lucency [Fraser and Pare].	
112106	Honeycomb pattern	A number of closely approximated ring shadows representing air spaces 5-10 mm in diameter with walls 2-3 mm thick that resemble a true honeycomb; implies “end-stage” lung [Fraser and Pare]	
112107	Fleischner’s line(s)	A straight, curved, or irregular linear opacity that is visible in multiple projections; usually situated in the lower half of the lung; vary markedly in length and width [Fraser and Pare].	
112108	Intralobular lines	Fine linear opacities present in a lobule when the intralobular interstitium is thickened. When numerous, they may appear as a fine reticular pattern [Fraser and Pare].	
112109	Kerley A line	Essentially straight linear opacity 2-6 cm in length and 1-3 mm in width, usually in an upper lung zone [Fraser and Pare].	

112110	Kerley B line	A straight linear opacity 1.5-2 cm in length and 1-2 mm in width, usually at the lung base [Fraser and Pare].	
112111	Kerley C lines	A group of branching, linear opacities producing the appearing of a fine net, at the lung base [Fraser and Pare].	
112112	Parenchymal band	Elongated opacity, usually several millimeters wide and up to about 5 cm long, often extending to the pleura, which may be thickened and retracted at the site of contact [Fraser and Pare].	
112113	Reticular pattern	A collection of innumerable small linear opacities that together produce an appearance resembling a net [Fraser and Pare].	
112114	Septal line(s)	Usually used in the plural, a generic term for linear opacities of varied distribution produced when the interstitium between pulmonary lobules is thickened [Fraser and Pare].	
112115	Subpleural line	A thin curvilinear opacity, a few millimeters or less in thickness, usually less than 1 cm from the pleural surface and paralleling the pleura [Fraser and Pare].	
112116	Tramline shadow	Parallel or slightly convergent linear opacities that suggest the planar projection of tubular structures and that correspond in location and orientation to elements of the bronchial tree [Fraser and Pare].	
112117	Tubular shadow	Paired, parallel, or slightly convergent linear opacities presumed to represent the walls of a tubular structure seen en face; used if the anatomic nature of a shadow is obscure [Fraser and Pare].	
112118	Density	The opacity of a radiographic shadow to visible light; film blackening; the term should never be used to mean an “opacity” or “radiopacity” [Fraser and Pare].	
112119	Dependent opacity	Subpleural increased attenuation in dependent lung. The	

		increased attenuation disappears when the region of lung is nondependent; a.k.a. dependent increased attenuation [Fraser and Pare].	
112120	Ground glass opacity	Hazy increased attenuation of lung, but with preservation of bronchial and vascular margins; caused by partial filling of air spaces, interstitial thickening, partial collapse of alveoli, normal expiration, or increased capillary blood volume [Fraser and Pare].	
112121	Infiltrate	Any ill-defined opacity in the lung [Fraser and Pare].	
112122	Micronodule	Discrete, small, round, focal opacity of at least soft tissue attenuation and with a diameter no greater than 7 mm [Fraser and Pare].	
112123	Phantom tumor (pseudotumor)	A shadow produced by a local collection of fluid in one of the interlobar fissures, usually elliptic in one radiographic projection and rounded in the other, resembling a tumor [Fraser and Pare].	
112124	Shadow	Any perceptible discontinuity in film blackening attributed to the attenuation of the X-ray beam by a specific anatomic absorber or lesion on or within the body of the patient; to be employed only when more specific identification is not possible [Fraser and Pare].	
112125	Small irregular opacities	Term used to define a reticular pattern specific to pneumoconioses [Fraser and Pare].	
112126	Small rounded opacities	Term used to define a nodular pattern specific to pneumoconioses [Fraser and Pare].	
112127	Tree-in-bud sign	Nodular dilation of centrilobular branching structures that resembles a budding tree and represents exudative bronchiolar dilation [Fraser and Pare].	
112128	Granular pattern	Any extended, finely granular pattern of pulmonary opacity within which normal anatomic details are partly obscured	

		[Fraser and Pare].	
112129	Miliary pattern	A collection of tiny discrete opacities in the lungs, each measuring 2 mm or less in diameter, generally uniform in size and widespread in distribution [Fraser and Pare].	
112130	Mosaic pattern	Generalized pattern of relatively well defined areas in the lung having different X-ray attenuations due to a longstanding underlying pulmonary disease.	
112131	Extremely small	A qualitative descriptor of a size that is dramatically less than typical.	
112132	Very small	A qualitative descriptor of a size that is considerably less than typical.	
112133	Too small	A qualitative descriptor of a size that is so small as to be abnormal versus expected size.	
112134	Elliptic	Shaped like an ellipse (oval).	
112135	Lobulated	A border shape that is made up of, provided with, or divided into lobules (small lobes, curved or rounded projections or divisions).	
112136	Spiculated	Radially orientated border shape.	
112137	Sharply defined	The border of a shadow (opacity) is sharply defined [Fraser and Pare].	
112138	Distinctly defined	The border of a shadow (opacity) is distinctly defined [Fraser and Pare].	
112139	Well demarcated	The border of a shadow (opacity) is well distinct from adjacent structures [Fraser and Pare].	
112140	Sharply demarcated	The border of a shadow (opacity) is sharply distinct from adjacent structures [Fraser and Pare].	
112141	Poorly demarcated	The border of a shadow (opacity) is poorly distinct from adjacent structures [Fraser and Pare].	
112142	Circumscribed	A shadow (opacity) possessing a complete or nearly complete visible border [Fraser and Pare].	

112143	Air	Inspired atmospheric gas. The word is sometimes used to describe gas within the body regardless of its composition or site [Fraser and Pare].	
112144	Soft tissue	Material having X-ray attenuation properties similar to muscle.	
112145	Calcium	Material having X-ray attenuation properties similar to calcium, a silver-white bivalent metallic element occurring in plants and animals.	
112146	Acinar	A pulmonary opacity 4-8 mm in diameter, presumed to represent anatomic acinus, or a collection of opacities in the lung, each measuring 4-8 mm in diameter, and together producing an extended, homogeneous shadow [Fraser and Pare].	
112147	Air space	The gas-containing portion of the lung parenchyma, including the acini and excluding the interstitium [Fraser and Pare].	
112148	Fibronodular	Sharply defined, approximately circular opacities occurring singly or in clusters, usually in the upper lobes [Fraser and Pare].	
112149	Fluffy	A shadow (opacity) that is ill-defined, lacking clear-cut margins [Fraser and Pare].	
112150	Linear	A shadow resembling a line; any elongated opacity of approximately uniform width [Fraser and Pare].	
112151	Profusion	The number of small opacities per unit area or zone of lung. In the International Labor Organization (ILO) classification of radiographs of the pneumoconioses, the qualifiers 0 through 3 subdivide the profusion into 4 categories. The profusion categories may be further subdivided by employing a 12-point scale [Fraser and Pare].	
112152	Silhouette sign	The effacement of an anatomic soft tissue border by either a normal anatomic structure or a pathologic state such as	

		airlessness of adjacent lung or accumulation of fluid in the contiguous pleural space; useful in detecting and localizing an opacity along the axis of the X-ray beam [Fraser and Pare].	
112153	Subpleural	Situated or occurring between the pleura and the body wall.	
112154	Bat's wing distribution	Spatial arrangement of opacities that bears vague resemblance to the shape of a bat in flight; bilaterally symmetric [Frasere and Pare].	
112155	Butterfly distribution	Spatial arrangement of opacities that bears vague resemblance to the shape of a butterfly in flight; bilaterally symmetric [Frasere and Pare].	
112156	Centrilobular	Referring to the region of the bronchioloarteriolar core of a secondary pulmonary lobule [Fraser and Pare].	
112157	Coalescent	The joining together of a number of opacities into a single opacity [Fraser and Pare].	
112158	Lobar	Of or relating to a lobe (a curved or rounded projection or division). For example, involving an entire lobe of the lung.	
112159	Hyper-acute	Extremely or excessively acute, as a qualitative measure of severity.	
112160	Homogeneous (uniform opacity)	Of uniform opacity or texture throughout [Fraser and Pare].	
112161	Inhomogeneous	Lack of homogeneity in opacity or texture.	
112162	Target	Discrete opacity centrally within a larger opacity, as a calcification descriptor.	
112163	Fibrocalcific	Pertaining to sharply defined, linear, and/or nodular opacities containing calcification(s) [Fraser and Pare].	
112164	Flocculent	Calcifications made up of loosely aggregated particles, resembling wool.	
112165	*Difference in border shape*	*A change in the shape formed by the boundary or edges of a finding or feature.*	*Retired. Replaced with (F-0517E, SRT, "Difference in border shape")*
112166	*Difference in border definition*	*A change in the clarity of the boundary or edges of a finding*	*Retired. Replaced with (F-05166, SRT, "Difference*

		or feature.	*in border definition")*
112167	*Difference in distribution*	*A change in the extent of spreading of a finding or feature.*	*Retired. Replaced with (F-0516C, SRT, "Difference in distribution")*
112168	*Difference in site involvement*	*A change in the part(s) of the anatomy affected or encompassed by a finding or feature.*	*Retired. Replaced with (F-05170, SRT, "Difference in site involvement")*
112169	*Difference in Type of Content*	*A change in the matter or substance within a finding or feature.*	*Retired. Replaced with (F-05167, SRT, "Difference in substance")*
112170	*Difference in Texture*	*A change in the surface or consistency of a finding or feature.*	*Retired. Replaced with (F-0516A, SRT, "Difference in texture")*
112171	Fiducial mark	A location in image space, which may or may not correspond to an anatomical reference, which is often used for registering data sets.	
112172	Portacath	Connected to an injection chamber placed under the skin in the upper part of the chest. When it is necessary to inject some drug, a specific needle is put in the chamber through the skin and a silicon membrane. The advantage of a portacath is that it may be left in place several months contrarily of "classical" cathethers.	
112173	Chest tube	A tube inserted into the chest wall from outside the body, for drainage. Sometimes used for collapsed lung. Usually connected to a receptor placed lower than the insertion site.	
112174	Central line	A tube placed into the subclavian vein to deliver medication directly into the venous system.	
112175	Kidney stent	A stent is a tube inserted into another tube. Kidney stent is a tube that is inserted into the kidney, ureter, and bladder, to help drain urine. Usually inserted through a scoping device presented through the urethra.	
112176	Pancreatic stent	A stent is a tube inserted into another tube. Pancreatic stent is inserted through the common bile duct to the pancreatic duct, to drain bile.	

112177	Nipple ring	A non-lesion object which appears to be a circular band, attached to the body via pierced nipple.	
112178	Coin	A non-lesion object which appears to be a flat round piece of metal.	
112179	Minimum Attenuation Coefficient	The least quantity assignable, admissible, or possible; the least of a set of X-ray attenuation coefficients.	
112180	Maximum Attenuation Coefficient	The greatest quantity or value attainable or attained; the largest of a set of X-ray attenuation coefficients.	
112181	Mean Attenuation Coefficient	The value that is computed by dividing the sum of a set of X-ray attenuation coefficients by the number of values.	
112182	Median Attenuation Coefficient	The value in an ordered set of X-ray attenuation coefficients, below and above which there is an equal number of values.	
112183	Standard Deviation of Attenuation Coefficient	For a set of X-ray attenuation coefficients: 1) a measure of the dispersion of a frequency distribution that is the square root of the arithmetic mean of the squares of the deviation of each of the class frequencies from the arithmetic mean of the frequency distribution; 2) a parameter that indicates the way in which a probability function or a probability density function is centered around its mean and that is equal to the square root of the moment in which the deviation from the mean is squared.	
112184	Performance of Pediatric and Adult Thoracic CT	American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT). In: Standards. Reston, Va: 2001:103-107.	
112185	Performance of CT for Detection of Pulmonary Embolism in Adults	American College of Radiology. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults. In: Standards. Reston, Va:	

		2001:109-113.	
112186	Performance of High-Resolution CT of the Lungs in Adults	American College of Radiology. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults. In: Standards. Reston, Va: 2001:115-118.	
112187	Unspecified method of calculation	The method of calculation of a measurement or other type of numeric value is not specified.	
121190	Referenced Frames	Individual frames selected as a subset of a multi-frame image	
121191	Referenced Segment	Segment number selected as a subset of a segmentation image	
112191	Breast tissue density	The relative density of parenchymal tissue as a proportion of breast volume	
112192	Volume of parenchymal tissue	The volume of parenchymal tissue	
112193	Volume of breast	The volume of the breast	
112194	Mass of parenchymal tissue	The mass of parenchymal tissue	
112195	Mass of breast	The mass of the breast	
112196	Area of Vascular Calcification	A measured or calculated area of vascular calcification	
112197	Volume of Vascular Calcification	A measured or calculated volume of vascular calcification	
112198	Percentage of Vascular Calcification	A measured or calculated percentage of vascular calcification	
112199	Mass of Vascular Calcification	A measured or calculated mass of vascular calcification	
112200	Average calcification distance in a calcification cluster	The average nearest neighbor distance of all individual microcalcifications in a cluster.	
112201	Standard deviation distance of calcifications in a cluster	The standard deviation of nearest neighbor distance of all individual microcalcifications in a cluster.	
112188	Two-dimensional method	The calcuation method was performed in two-dimensional space.	
112189	Three-dimensional method	The calculation method was performed in three-dimensional space.	
112220	Colon CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to colon imaging and associated	

		clinical information.	
112222	Colon Overall Assessment	Overall interpretation of the colon using C-RADS categorization system.	
112224	Image Set Properties	Characteristics of a set of images.	
112225	Slice Thickness	Nominal slice thickness, in mm.	
112226	Spacing between slices	Distance between contiguous images, measured from the center-to-center of each image.	
112227	Frame of Reference UID	Uniquely identifies groups of composite instances that have the same coordinate system that conveys spatial and/or temporal information.	
112228	Recumbent Patient Position with respect to gravity	Patient orientation with respect to downward direction (gravity).	
112229	Identifying Segment	Distinguishes a part of a segmentation.	
112232	Polyp stalk width	The diameter of a polyp stalk measured perpendicular to the axis of the stalk.	
112233	Distance from anus	The length of the path following the centerline of the colon from the anus to the area of interest.	
112238	Anatomic non-colon	A location in the body that is outside the colon.	
112240	C0 - Inadequate Study/Awaiting Prior Comparisons	An inadequate study or a study that is awaiting prior comparisons. The study may have inadequate preparation and cannot exclude lesions greater than or equal to ten millimeters owing to presence of fluid or feces. The study may have inadequate insufflation where one or more colonic segments collapsed on both views. Based on “CT Colonography Reporting and Data System: A Consensus Proposal”, Radiology July 2005; 236:3-9.	
112241	C1 - Normal Colon or Benign Lesion	The study has a normal colon or benign lesion, with the recommendation to continue routine screening. The study has no visible abnormalities of the colon. The study has no polyps greater than six millimeters. The study may have	

		lipoma, inverted diverticulum, or nonneoplastic findings, for example colonic diverticula. Based on “CT Colonography Reporting and Data System: A Consensus Proposal”, Radiology July 2005; 236:3-9.	
112242	C2 - Intermediate Polyp or Indeterminate Finding	The study has an intermediate polyp or indeterminate finding and surveillance or colonoscopy is recommended. There may be intermediate polyps between six and nine millimeters and there are less than three in number. The study may have an intermediate finding and cannot exclude a polyp that is greater than or equal to six millimeters in a technically adequate exam. Based on “CT Colonography Reporting and Data System: A Consensus Proposal”, Radiology July 2005; 236:3-9.	
112243	C3 - Polyp, Possibly Advanced Adenoma	The study has a polyp, possibly advanced adenoma, and a follow-up colonoscopy is recommended. The study has a polyp greater than or equal to ten millimeters or the study has three or more polyps that are each between six to nine millimeters. Based on “CT Colonography Reporting and Data System: A Consensus Proposal”, Radiology July 2005; 236:3-9.	
112244	C4 - Colonic Mass, Likely Malignant	The study has a colonic mass, likely malignant, and surgical consultation is recommended. The lesion compromises bowel lumen and demonstrates extracolonic invasion. Based on “CT Colonography Reporting and Data System: A Consensus Proposal”, Radiology July 2005; 236:3-9.	
112248	ACR Guideline, Performance of Adult CT Colonography	American College of Radiology Practice Guideline for the Performance of Computed Tomography (CT) Colonography in Adults. In: *Practice Guidelines and Technical Standards.* Reston, Va: American College of Radiology;2006:371-376.	
112249	ACR Standard, CT	American College of Radiology	

	medical physics performance monitoring	Technical Standard for Diagnostic Medical Physics Performance Monitoring of Computed Tomography (CT) Equipment. In: *Practice Guidelines and Technical Standards.* Reston, Va: American College of Radiology;2006:945-948.	
113000	Of Interest	Of Interest	
113001	Rejected for Quality Reasons	Rejected for Quality Reasons	
113002	For Referring Provider	For Referring Provider	
113003	For Surgery	For Surgery	
113004	For Teaching	For Teaching	
113005	For Conference	For Conference	
113006	For Therapy	For Therapy	
113007	For Patient	For Patient	
113008	For Peer Review	For Peer Review	
113009	For Research	For Research	
113010	Quality Issue	Quality Issue	
113011	Document Title Modifier	Document Title Modifier	
113012	Key Object Description	Key Object Description	
113013	Best In Set		
113014	Study		
113015	Series		
113016	Performed Procedure Step		
113017	Stage-View		
113018	For Printing	For Printing	
113020	For Report Attachment	Selection of information objects for attachment to the clinical report of the Current Requested Procedure	
113026	Double exposure	Double exposure	
113030	Manifest	A list of objects that have been exported out of one organizational domain into another domain. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113031	Signed Manifest	A signed list of objects that have been exported out of one	

		organizational domain into another domain, referenced securely with either Digital Signatures or MACs. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113032	Complete Study Content	The list of objects that constitute a study at the time that the list was created.	
113033	Signed Complete Study Content	The signed list of objects that constitute a study at the time that the list was created, referenced securely with either Digital Signatures or MACs.	
113034	Complete Acquisition Content	The list of objects that were generated in a single procedure step.	
113035	Signed Complete Acquisition Content	The signed list of objects that were generated in a single procedure step, referenced securely with either Digital Signatures or MACs.	
113036	Group of Frames for Display	A list of frames or single-frame or entire multi-frame instances that together constitute a set for some purpose, such as might be displayed together in the same viewport, as distinct from another set that might be displayed in a separate viewport.	
113037	Rejected for Patient Safety Reasons	List of objects whose use is potentially harmful to the patient. For example, an improperly labeled image could lead to dangerous surgical decisions.	
113040	Lossy Compression	Lossy compression has been applied to an image.	
113041	Apparent Diffusion Coefficient	The image is derived by calculation of the apparent diffusion coefficient.	
113042	Pixel by pixel addition	The image is derived by the pixel by pixel addition of two images.	
113043	Diffusion weighted	The image is derived by calculation of the diffusion weighting.	
113044	Diffusion Anisotropy	The image is derived by calculation of the diffusion anisotropy.	
113045	Diffusion Attenuated	The image is derived by calculation of the diffusion attenuation.	

113046	Pixel by pixel division	The image is derived by the pixel by pixel division of two images.	
113047	Pixel by pixel mask	The image is derived by the pixel by pixel masking of one image by another.	
113048	Pixel by pixel Maximum	The image is derived by calculating the pixel by pixel maximum of two or more images.	
113049	Pixel by pixel mean	The image is derived by calculating the pixel by pixel mean of two or more images.	
113050	Metabolite Maps from spectroscopy data	The image is derived by calculating from spectroscopy data pixel values localized in two dimensional space based on the concentration of specific metabolites (i.e, at specific frequencies).	
113051	Pixel by pixel Minimum	The image is derived by calculating the pixel by pixel minimum of two or more images.	
113052	Mean Transit Time	The image is derived by calculating mean transit time values.	
113053	Pixel by pixel multiplication	The image is derived by the pixel by pixel multiplication of two images.	
113054	Negative Enhancement Integral	The image is derived by calculating negative enhancement integral values.	
113055	Regional Cerebral Blood Flow	The image is derived by calculating regional cerebral blood flow values.	
113056	Regional Cerebral Blood Volume	The image is derived by calculating regional cerebral blood volume values.	
113057	R-Coefficient Map	The image is derived by calculating R-Coefficient map values	
113058	Proton Density map	The image is derived by calculating proton density values.	
113059	Signal Change Map	The image is derived by calculating signal change values.	
113060	Signal to Noise Map	The image is derived by calculating the signal to noise ratio.	
113061	Standard Deviation	The image is derived by calculating the standard	

		deviation of two or more images.	
113062	Pixel by pixel subtraction	The image is derived by the pixel by pixel subtraction of two images.	
113063	T1 Map	The image is derived by calculating T1 values.	
113064	T2* Map	The image is derived by calculating T2* values.	
113065	T2 Map	The image is derived by calculating T2 values.	
113066	Time Course of Signal	The image is derived by calculating values based on the time course of signal.	
113067	Temperature encoded	The image is derived by calculating values based on temperature encoding.	
113068	Student's T-Test	The image is derived by calculating the value of the Student's T-Test statistic from multiple image samples.	
113069	Time To Peak map	The image is derived by calculating values based on the time to peak.	
113070	Velocity encoded	The image is derived by calculating values based on velocity encoded (e.g., phase contrast).	
113071	Z-Score Map	The image is derived by calculating the value of the Z-Score statistic from multiple image samples.	
113072	Multiplanar reformatting	The image is derived by reformatting in a flat plane other than that originally acquired.	
113073	Curved multiplanar reformatting	The image is derived by reformatting in a curve plane other than that originally acquired.	
113074	Volume rendering	The image is derived by volume rendering of acquired data.	
113075	Surface rendering	The image is derived by surface rendering of acquired data.	
113076	Segmentation	The image is derived by segmentation (classification into tissue types) of acquired data.	
113077	Volume editing	The image is derived by selectively editing acquired data (removing values from the volume), such as in order to remove obscuring structures or	

		noise.	
113078	Maximum intensity projection	The image is derived by maximum intensity projection of acquired data.	
113079	Minimum intensity projection	The image is derived by minimum intensity projection of acquired data.	
113080	Glutamate and glutamine	For single-proton MR spectroscopy, the resonance peak corresponding to glutamate and glutamine.	
113081	Choline/Creatine Ratio	For single-proton MR spectroscopy, the ratio between the Choline and Creatine resonance peaks.	
113082	N-acetylaspartate /Creatine Ratio	For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Creatine resonance peaks.	
113083	N-acetylaspartate /Choline Ratio	For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Choline resonance peaks.	
113085	Spatial resampling	The image is derived by spatial resampling of acquired data.	
113086	Edge enhancement	The image is derived by edge enhancement.	
113087	Smoothing	The image is derived by smoothing.	
113088	Gaussian blur	The image is derived by Gaussian blurring.	
113089	Unsharp mask	The image is derived by unsharp masking.	
113090	Image stitching	The image is derived by stitching two or more images together.	
113091	Spatially-related frames extracted from the volume	Spatially-related frames in this image are representative frames from the referenced 3D volume dataset	
113092	Temporally-related frames extracted from the set of volumes	Temporally-related frames in this image are representative frames from the referenced 3D volume dataset	
113094	Creatine and Choline	For single-proton MR spectroscopy, the resonance peak corresponding to creatine and choline.	
113095	Lipid and Lactate	For single-proton MR spectroscopy, the resonance peak corresponding to lipid and	

		lactate.	
113096	Creatine+Choline/ Citrate Ratio	For single-proton MR spectroscopy, the ratio between the Choline and Creatine resonance peak and the Citrate resonance peak.	
113097	Multi-energy proportional weighting	Image pixels created through proportional weighting of multiple acquisitions at distinct X-ray energies.	
113611	Stationary Acquisition	Acquisition where the x-ray source does not move in relation to the patient	
113612	Stepping Acquisition	Acquisition where the x-ray source moves laterally in relation to the patient	
113613	Rotational Acquisition	Acquisition where the x-ray source moves angularly in relation to the patient	
113620	Plane A	Primary plane of a Biplane acquisition equipment	
113621	Plane B	Secondary plane of a Biplane acquisition equipment	
113622	Single Plane	Single plane acquisition equipment	
113630	Continuous	Continuous x-ray radiation is applied during an irradiation event	
113631	Pulsed	Pulsed x-ray radiation is applied during an irradiation event	
113650	Strip filter	Filter with uniform thickness	
113651	Wedge filter	Filter with variation in thickness from one edge to the opposite edge	
113652	Butterfly filter	Filter with two triangular sections	
113661	Outline of lobulations	A polyline defining the outline of a lobulated finding	
113662	Inner limits of fuzzy margin	A polyline defining the inner limits of a finding with fuzzy margin	
113663	Outer limits of fuzzy margin	A polyline defining the outer limits of a finding with fuzzy margin	
113664	Outline of spiculations	A polyline defining the outline of the spiculations of a finding	
113665	Linear spiculation	A polyline segment graphically indicating the location and direction of a spiculation of a finding	

113666	Pixelated spiculations	A collection of points indicating the pixel locations of the spiculations of a finding	
113669	Orthogonal location arc	Connected line segments indicating the center of location of a finding on an orthogonal view	
113670	Orthogonal location arc inner margin	Connected line segments indicating the inner margin of the location of a finding on an orthogonal view	
113671	Orthogonal location arc outer margin	Connected line segments indicating the outer location of a finding on an orthogonal view	
113681	Phantom	An artificial subject of an imaging study.	
113682	ACR Accreditation Phantom - CT	A phantom acceptable for the ACR Computed Tomography Accreditation program	
113683	ACR Accreditation Phantom - MR	A phantom acceptable for the ACR Magnetic Resonance Imaging Accreditation program	
113684	ACR Accreditation Phantom - Mammography	A phantom acceptable for the ACR Mammography Accreditation program	
113685	ACR Accreditation Phantom – Stereotactic Breast Biopsy	A phantom acceptable for the ACR Stereotactic Breast Biopsy Accreditation program	
113686	ACR Accreditation Phantom - ECT	A phantom acceptable for the ACR SPECT Accreditation program (but not for PET)	
113687	ACR Accreditation Phantom - PET	A phantom acceptable for the ACR PET Accreditation program (but not for SPECT)	
113688	ACR Accreditation Phantom – ECT/PET	A SPECT phantom with a PET faceplate acceptable for both the ACR SPECT and PET Accreditation programs	
113689	ACR Accreditation Phantom – PET Faceplate	A PET faceplate (made to fit an existing flangeless or flanged ECT phantom) acceptable for the ACR PET Accreditation program	
113690	IEC Head Dosimetry Phantom	A phantom used for CTDI measurement in head modes according to IEC 60601-2-44, Ed.2.1 (Head 16 cm diameter Polymethyl methacrylate PMMA)	
113691	IEC Body Dosimetry Phantom	A phantom used for CTDI measurement in body modes	

		according to IEC 60601-2-44, Ed.2.1 (Body 32cm diameter Polymethyl methacrylate PMMA)	
113692	NEMA XR21-2000 Phantom	A phantom in accordance with NEMA standard XR-21-2000	
113701	X-Ray Radiation Dose Report	X-Ray Radiation Dose Report	
113702	Accumulated X-Ray Dose Data	X-Ray dose data accumulated over multiple irradiation events, e.g., for a study or a performed procedure step	
113704	Projection X-Ray	Imaging using a point X-ray source with a diverging beam projected onto a 2 dimensional detector	
113705	Scope of Accumulation	Entity over which dose accumulation values are integrated	
113706	Irradiation Event X-Ray Data	X-Ray dose data for a single Irradiation Event	
113710	*Niobium or Niobium compound*	*Material containing Niobium or a Niobium compound*	*Retired. Replaced with (C-1190E, SRT, "Niobium or Niobium compound")*
113711	*Europium or Europium compound*	*Material containing Europium or a Europium compound*	*Retired. Replaced with (C-1190F, SRT, "Europium or Europium compound")*
113721	Irradiation Event Type	Denotes the type of irradiation event recorded	
113722	Dose Area Product Total	Total calculated Dose Area Product (in the scope of the including report)	
113723	Calibration Date	Last calibration Date for the integrated dose meter or dose calculation	
113724	Calibration Responsible Party	Individual or organization responsible for calibration	
113725	Dose (RP) Total	Total Dose related to Reference Point (RP). (in the scope of the including report)	
113726	Fluoro Dose Area Product Total	Total calculated Dose Area Product applied in Fluoroscopy Modes (in the scope of the including report).	
113727	Acquisition Dose Area Product Total	Total calculated Dose Area Product applied in Acquisition Modes (in the scope of the including report).	
113728	Fluoro Dose (RP) Total	Dose applied in Fluoroscopy Modes, related to Reference Point (RP). (in the scope of the	

		including report)	
113729	Acquisition Dose (RP) Total	Dose applied in Acquisition Modes, related to Reference Point (RP). (in the scope of the including report)	
113730	Total Fluoro Time	Total accumulated time of Fluoroscopy (in the scope of the including report)	
113731	Total Number of Radiographic Frames	Accumulated Count of Frames (single or multi-frame) created from irradiation events performed with high dose (acquisition).	
113732	Fluoro Mode	Mode of application of X-Rays during Fluoroscopy	
113733	KVP	Applied X-Ray Tube voltage at peak of X-ray generation, in kilovolts; Mean value if measured over multiple peaks (pulses)	
113734	X-Ray Tube Current	Mean value of applied Tube Current	
113735	Exposure Time	Cumulative time the patient has received X-Ray exposure during the irradiation event	
113736	Exposure	Mean value of X-Ray Current Time product	
113737	Distance Source to Reference Point	Distance to the Reference Point (RP) defined according to IEC 60601-2-43 or equipment defined.	
113738	Dose (RP)	Dose applied at the Reference Point (RP).	
113739	Positioner Primary End Angle	Positioner Primary Angle at the end of an irradiation event. For further definition see (112011,DCM,"Positioner Primary Angle")	
113740	Positioner Secondary End Angle	Positioner Secondary Angle at the end of an irradiation event. For further definition see (112012,DCM,"Positioner Secondary Angle")	
113742	Irradiation Duration	Clock time from the start of the first irradiation in the irradiation event until the end of the last irradiation in the same irradiation event. For continuous modes this the time the irradiation intensity is above a 50% threshold with respect to the maximum intensity achieved	

		during an irradiation event.	
113743	Patient Orientation	Orientation of the Patient with respect to Gravity	
113744	Patient Orientation Modifier	Enhances or modifies the Patient orientation specified in Patient Orientation	
113745	Patient Table Relationship	Orientation of the Patient with respect to the Head of the Table	
113748	Distance Source to Isocenter	Distance from the X-Ray Source to the Equipment C-Arm Isocenter.(Center of Rotation).	
113750	Distance Source to Detector	Measured or calculated distance from the X-Ray source to the detector plane in the center of the beam.	
113751	Table Longitudinal Position	Table Longitudinal Position with respect to an arbitrary chosen reference by the equipment. Table motion towards LAO is positive assuming that the patient is positioned supine and its head is in normal position.	
113752	Table Lateral Position	Table Lateral Position with respect to an arbitrary chosen reference by the equipment. Table motion towards CRA is positive assuming that the patient is positioned supine and its head is in normal position.	
113753	Table Height Position	Table Height Position with respect to an arbitrary chosen reference by the equipment in (mm). Table motion downwards is positive	
113754	Table Head Tilt Angle	Angle of the head-feet axis of the table in degrees relative to the horizontal plane. Positive values indicate that the head of the table is upwards.	
113755	Table Horizontal Rotation Angle	Rotation of the table in the horizontal plane (clockwise when looking from above the table).	
113756	Table Cradle Tilt Angle	Angle of the left-right axis of the table in degrees relative to the horizontal plane. Positive values indicate that the left of the table is upwards.	
113757	X-Ray Filter Material	X-Ray absorbing material used in the filter.	
113758	X-Ray Filter Thickness Minimum	The minimum thickness of the X-Ray absorbing material used in	

		the filters.	
113763	Calibration Uncertainty	Uncertainty of the 'actual' value.	
113764	Acquisition Plane	Identification of Acquisition Plane with Biplane systems.	
113766	Focal Spot Size	Nominal Size of Focal Spot of X-Ray Tube	
113767	Average X-Ray Tube Current	Average X-Ray Tube Current averaged over time for pulse or for continuous Fluoroscopy	
113768	Number of Pulses	Number of pulses applied by X-Ray systems during an irradiation event (acquisition run or pulsed fluoro)	
113769	Irradiation Event UID	Unique identification of a single irradiation event	
113770	Column Angulation	Angle of the X-Ray beam in degree relative to an orthogonal axis to the detector plane.	
113771	X-Ray Filters	Devices used to modify the energy or energy distribution of X-rays	
113772	X-Ray Filter Type	Type of filter(s) inserted into the X-Ray beam (e.g. wedges).	
113773	X-Ray Filter Thickness Maximum	The maximum thickness of the X-Ray absorbing material used in the filters.	
113780	Reference Point Definition	System provided definition of the Reference Point used for Dose calculations.	
113790	Collimated Field Area	Collimated field area at image receptor. Area for compatibility with IEC 60601-2-43.	
113791	Pulse Rate	Pulse rate applied by equipment during Fluoroscopy	
113792	Distance Source to Table Plane	Measured or calculated distance from the X-Ray source to the table plane in the center of the beam.	
113793	Pulse Width	(Average) X-ray pulse width	
113794	Dose Measurement Device	Calibrated device to perform dose measurements.	
113795	Acquired Image	Image acquired during a specified event.	
113800	DLP to E conversion via MC computation	Effective Dose evaluation from the product of Dose Length Product (DLP) and the Effective Dose Conversion Factor (E/DLP in units of mSv/mGy-cm), where the ratio is derived by means of	

		Monte Carlo computations.	
113801	CTDIfreeair to E conversion via MC computation	Effective Dose evaluation from the product of the Mean CTDIfree air and the ratio E/CTDIfree air (mSv/mGy), where the ratio is derived by means of Monte Carlo computations	
113802	DLP to E conversion via measurement	Effective Dose evaluation from the product of Dose Length Product (DLP) and the Effective Dose Conversion Factor (E/DLP in units of mSv/mGy-cm), where the ratio is derived by means of dosimetric measurements with an anthropomorphic phantom	
113803	CTDIfreeair to E conversion via measurement	Effective Dose evaluation from the product of the Mean CTDIfree air and the ratio E/CTDIfree air (mSv/mGy), where the ratio is derived by means of dosimetric measurements with an anthropomorphic phantom	
113804	Sequenced Acquisition	The CT acquisition was performed by acquiring single or multi detector data while rotating the source about the gantry while the table is not moving. Additional slices are acquired by incrementing the table position and again rotating the source about the gantry while the table is not moving.	
113805	Constant Angle Acquisition	The CT acquisition was performed by holding the source at a constant angle and moving the table to obtain a projection image (e.g. localizer).	
113806	Stationary Acquisition	The CT acquisition was performed by holding the table at a constant position and acquiring multiple slices over time at the same location.	
113807	Free Acquisition	The CT acquisition was performed while rotating the source about the gantry while the table movement is under direct control of a human operator or under the control of	

		an analysis application (e.g. fluoro).	
113808	ICRP Pub 60	Reference authority 1990 Recommendations of the International Commission on Radiological Protection (ICRP Publication 60, published as the Annals of the ICRP Vol. 21, No. 1-3, Pergamon Press, 1991)	
113809	Start of X-ray Irradiation	Start, DateTime of the first X-ray Irradiation Event of the accumulation within a Study	
113810	End of X-ray Irradiation	End, DateTime of the last X-ray Irradiation Event of the accumulation within a Study	
113811	CT Accumulated Dose Data	X-ray dose accumulated over multiple CT irradiation events, e.g., for a study or a performed procedure step.	
113812	Total Number of Irradiation Events	Total number of events during the defined scope of accumulation	
113813	CT Dose Length Product Total	The total dose length product defined scope of accumulation	
113814	CT Effective Dose Total	The total Effective Dose at the defined scope of accumulation	
113815	Patient Model	Identification of the reference-patient model used when Effective Dose is evaluated via Monte Carlo calculations or from a Dose Length Product conversion factor based on Monte Carlo calculations	
113816	Condition Effective Dose measured	References the physical phantom and the type of dosimeter used when measurements are done to establish Effective Dose Conversion Factors (E/DLP) or ratios E/CTDIfree air	
113817	Effective Dose Phantom Type	Type of Effective Dose phantom used	
113818	Dosimeter Type	Type of dosimeter used	
113819	CT Acquisition	General description of the CT Irradiation event	

		Irradiation event	
113820	CT Acquisition Type	Method of the CT acquisition	
113821	X-ray Filter Aluminum Equivalent	Thickness of an equivalent filter in mm in Aluminum	
113822	CT Acquisition Parameters	General description of the acquisition parameters	
113823	Number of X-ray Sources	Number of X-ray sources	
113824	Exposure Time	Total time the patient has received X-ray exposure during the irradiation event	
113825	Scanning Length	Length of the table travel during the entire tube loading, according to IEC 60601-2-44 NOTE: Scanning Length might be longer than the programmed acquisition length	
113826	Nominal Single Collimation Width	The value of the nominal width referenced to the location of the isocenter along the z axis of a single row of acquired data in mm	
113827	Nominal Total Collimation Width	The value of the nominal width referenced to the location of the isocenter along the z axis of the total collimation in mm over the area of active X-ray detection	
113828	Pitch Factor	For Spiral scanning: Pitch Factor = (Table Feed per Rotation (mm))/(Nominal Total Collimation Width (mm)) For Sequenced scanning: Pitch Factor = (Table Feed per single Sequenced scan (mm))/(Nominal Total Collimation Width (mm))	
113829	CT Dose	General description of CT dose values	
113830	Mean CTDIvol	“Mean CTDIvol” refers to the average value of the CTDIvol associated with this acquisition.	
113831	CT X-ray Source Parameters	Identification, tube-potential, tube-current, and exposure-time parameters associated with an	

		X-ray source during an acquisition.	
113832	Identification of the X-ray Source	Identifies the particular X-ray source (in a multi-source CT system) for which the set of X-ray source parameter values is reported.	
113833	Maximum X-ray Tube Current	Maximum X-ray tube current	
113834	Exposure Time per Rotation	The exposure time for one rotation of the source around the object in s	
113835	CTDIw Phantom Type	A label describing the type of phantom used for CTDIW measurement according to IEC 60601-2-44 (Head 16 cm diameter PMMA, Body 32 cm diameter PMMA)	
113836	CTDIfreeair Calculation Factor	The CTDIfree air Calculation Factor is the CTDIfree air per mAs, expressed in units of mGy/mAs. The CTDIfree air Calculation Factor may be used in one method calculating Dose.	
113837	Mean CTDIfreeair	The average value of the free-in-air CTDI associated with this acquisition.	
113838	DLP	Dose Length Product (DLP), expressed in mGy-cm, is an index characterizing the product of the CTDIvol and the length scanned. For Spiral scanning, DLP = CTDIvol $\times$ Scanning Length. For Sequenced scanning, DLP = CTDIvol $\times$ Nominal Total Collimation Width $\times$ Cumulative Exposure Time / Exposure Time per Rotation. For Stationary and Free scanning, DLP = CTDIvol $\times$ Nominal Total Collimation Width.	
113839	Effective Dose	Effective dose in mSv	
113840	Effective Dose Conversion Factor	Effective Dose per DLP, reference value for Effective Dose calculation, expressed in mSv/mGycm	
113841	ICRP Pub 103	Effective Dose Reference authority	

		authority 2007 Recommendations of the International Commission on Radiological Protection (ICRP Publication 103, published as the Annals of the ICRP Vol. 37, No. 2-4, Elsevier, 2007)	
113842	X-ray Modulation Type	The type of exposure modulation used for the purpose of limiting the dose.	
113850	Irradiation Authorizing	The clinician responsible for determining that the irradiating procedure was appropriate for the indications	
113851	Irradiation Administering	The person responsible for the administration of radiation	
113852	Irradiation Event	An irradiation event is the occurrence of radiation being applied to a patient in a single continuous time-frame between the start (release) and the stop (cease) of the irradiation. Any automatic on-off switching of the irradiation source during the event is not treated as separate events, rather the event includes the time between start and stop of irradiation as triggered by the user. E.g., a pulsed fluoro X-Ray acquisition shall be treated as a single irradiation event.	
113853	Irradiation Event UID	Unique Identifier of an Irradiation Event	
113854	Source of Dose Information	Method by which dose-related details of an Irradiation Event were obtained.	
113855	Total Acquisition Time	Total accumulated acquisition time (in the scope of the including report)	
113856	Automated Data Collection	Direct recording of data by a relevant system	
113857	Manual Entry	Recording of data by a human operator, including manual transcription of electronic data	
113858	MPPS Content	The data is taken from an MPPS SOP Instance	
113859	Irradiating Device	A device exposing a patient to ionizing radiation.	
113860	15cm from Isocenter toward Source	15cm from the isocenter towards the x-ray source; See IEC 60601-2-43	

113861	30cm in Front of Image Input Surface	30cm in front (towards the tube) of the input surface of the image receptor; See FDA Federal Performance Standard for Diagnostic X-ray Systems §1020.32(d)(7)	
113862	1cm above Tabletop	1cm above the patient tabletop or cradle; See FDA Federal Performance Standard for Diagnostic X-ray Systems §1020.32(d)(7)	
113863	30cm above Tabletop	30cm above the patient tabletop of cradle; See FDA Federal Performance Standard for Diagnostic X-ray Systems §1020.32(d)(7)	
113864	15cm from Table Centerline	15cm from the centerline of the x-ray table and in the direction of the x-ray source; See FDA Federal Performance Standard for Diagnostic X-ray Systems §1020.32(d)(7)	
113865	Entrance exposure to a 4.2 cm breast thickness	Standard breast means a 4.2 centimeter (cm) thick compressed breast consisting of 50 percent glandular and 50 percent adipose tissue. See Department of Health and Human Services, Food and Drug Administration. Mammography quality standards; final rule. Federal Register. Oct. 28, 1997; 68(208):55852–55994. See 900.2(uu)	
113870	Person Name	The name of a specific person	
113871	Person ID	An identification number or code for a specific person	
113872	Person ID Issuer	The organization which issued a Person ID	
113873	Organization Name	The name of an organization	
113874	Person Role in Organization	The role played by a person in an organization	
113875	Person Role in Procedure	The role played by a person in a procedure	
113876	Device Role in Procedure	The role played by a device in a procedure	
113877	Device Name	The name used to refer to a device; usually locally unique	
113878	Device Manufacturer	Manufacturer of a device	

113879	Device Model Name	Model Name of a device	
113880	Device Serial Number	Serial Number of a device	
113890	All Planes	All planes of a multi-plane acquisition equipment	
114000	Not a number	Measurement not available: Not a number (per IEEE 754)	
114001	Negative Infinity	Measurement not available: Negative Infinity (per IEEE 754)	
114002	Positive Infinity	Measurement not available: Positive Infinity (per IEEE 754)	
114003	Divide by zero	Measurement not available: Divide by zero (per IEEE 754)	
114004	Underflow	Measurement not available: Underflow (per IEEE 754)	
114005	Overflow	Measurement not available: Overflow (per IEEE 754)	
114006	Measurement failure	Measurement not available: Measurement failure	
114007	Measurement not attempted	Measurement not available: Measurement not attempted	
114008	Calculation failure	Measurement not available: Calculation failure	
114009	Value out of range	Measurement not available: Value out of range	
114010	Value unknown	Measurement not available: Value unknown	
114011	Value indeterminate	Measurement not available: Value indeterminate	
111671	Spectacle Prescription Report	The spectacle prescription for a patient.	
111672	Add Near	Refractive measurements of the eye to correct for inability to focus at near while wearing the distance prescription.	
111673	Add Intermediate	Refractive measurements of the eye to correct for inability to focus at intermediate distance while wearing the distance prescription.	
111674	Add Other	Refractive measurements of the eye to correct for inability to focus at the specified distance while wearing the distance prescription.	
111675	Horizontal Prism Power	The power of a prism to bend light in the horizontal direction, in prism diopters	

111676	Horizontal Prism Base	Direction of the base of a horizontal prism -- either in (toward the nose), or out (away from the nose)	
111677	Vertical Prism Power	The power of a prism to bend light in the vertical direction, in prism diopters.	
111678	Vertical Prism Base	Direction of the base of a vertical prism -- either up, or down.	
111679	Distance Pupillary Distance	Distance in mm between the pupils when the patient's object of regard is in the distance.	
111680	Near Pupillary Distance	Distance in mm between the pupils when the patient's object of regard is at near.	
111685	Autorefraction Visual Acuity	A patient's vision with the correction measured by an autorefractor in place.	
111686	Habitual Visual Acuity	A patient's vision with whichever vision correction the patient customarily wears	
111687	Prescription Visual Acuity	A patient's vision with the final spectacle prescription in place.	
111688	Right Eye Rx	The spectacle prescription for the right eye	
111689	Left Eye Rx	The spectacle prescription for the left eye	
121001	Quotation Mode	Type of source for observations quoted from an external source	
121002	Quoted Source	Reference to external source of quoted observations	
121003	Document	Documentary source of quoted observations	
121004	Verbal	Verbal source of quoted observations	
121005	Observer Type	Type of observer that created the observations	
121006	Person	Human observer created the observations	
121007	Device	Automated device created the observations	
121008	Person Observer Name	Name of human observer that created the observations	
121009	Person Observer's Organization Name	Organization or institution with which the human observer is affiliated for the context of the current observation	
121010	Person Observer's Role in the	Organizational role of human observer for the context of the	

	Organization	current observation	
121011	Person Observer's Role in this Procedure	Procedural role of human observer for the context of the current observation	
121012	Device Observer UID	Unique identifier of automated device that created the observations	
121013	Device Observer Name	Institution-provided identifier of automated device that created the observations	
121014	Device Observer Manufacturer	Manufacturer of automated device that created the observations	
121015	Device Observer Model Name	Manufacturer-provided model name of automated device that created the observations	
121016	Device Observer Serial Number	Manufacturer-provided serial number of automated device that created the observations	
121017	Device Observer Physical Location During Observation	Location of automated device that created the observations whilst the observations were being made.	
121018	Procedure Study Instance UID	Unique identifier for the Study or Requested Procedure	
121019	Procedure Study Component UID	Unique identifier for the Performed Procedure Step	
121020	Placer Number	Identifier for the Order (or Service Request) assigned by the order placer system	
121021	Filler Number	Identifier for the Order (or Service Request) assigned by the order filler system	
121022	Accession Number	Identifier for the Order (or Service Request) assigned by the department information system	
121023	Procedure Code	Type of procedure scheduled or performed	
121024	Subject Class	Type of observation subject	
121025	Patient	A patient is the subject of observations	
121026	Fetus	Fetus of patient is the subject of observations	
121027	Specimen	Specimen is the subject of observations	
121028	Subject UID	Unique Identifier of patient or fetus who is the subject of observations	

121029	Subject Name	Name of patient who is the subject of observations	
121030	Subject ID	Identifier of patient or fetus who is the subject of observations	
121031	Subject Birth Date	Birth Date of patient who is the subject of observations	
121032	Subject Sex	Sex of patient who is the subject of observations	
121033	Subject Age	Age of patient who is the subject of observations	
121034	Subject Species	Species of patient who is the subject of observations	
121035	Subject Breed	The breed of the subject	
121036	Mother of fetus	Name of mother of fetus which is the subject of observations	
121037	*Fetus number*		*Retired. Replaced with (11951-1,LN, "Fetus ID").*
121038	*Number of Fetuses*		*Retired. Replaced with (11878-6,LN, "Number of Fetuses").*
121039	Specimen UID	Unique Identifier of specimen which is the subject of observations	
121040	*Specimen Accession Number*	*Accession Number of specimen which is the subject of observations*	*Retired.*
121041	Specimen Identifier	Identifier of specimen which is the subject of observations	
121042	*Specimen Type*	*Coded category of specimen which is the subject of observations*	*Retired. Replaced with (R-00254, SRT, "Specimen Type")*
121043	*Slide Identifier*	*Identifier of specimen microscope slide which is the subject of observations*	*Retired. Replaced with (111700, DCM, Specimen Container Identifier)*
121044	*Slide UID*	*Unique Identifier of specimen microscope slide which is the subject of observations*	*Retired.*
121045	Language		
121046	Country of Language		
121047	Language of Value		
121048	Language of Name and Value		
121049	Language of Content Item and Descendants		
121050	Equivalent Meaning of Concept Name		
121051	Equivalent Meaning of Value		

121052	Presence of property		
121053	*Present*		*Retired. Replaced with (G A203, SRT, "Present")*
121054	*Absent*		*Retired. Replaced with (R 4089B, SRT, "Absent")*
121055	Path	A set of points on an image, that when connected by line segments, provide a polyline from which a linear measurement was inferred	
121056	Area outline	A set of points on an image, that when connected by line segments, provide a closed polyline that is the border of a defined region from which an area, or two-dimensional measurement, was inferred	
121057	Perimeter outline	A set of points on an image, that when connected by line segments, provide a closed polyline that is a two-dimensional border of a three-dimensional region's intersection with, or projection into the image	
121058	Procedure reported		
121059	*Presence Undetermined*	*Presence or absence of a property is undetermined*	*Retired. Replaced with (R 4089B, SRT, "Undetermined")*
121060	History		
121062	Request		
121064	Current Procedure Descriptions		
121065	Procedure Description		
121066	Prior Procedure Descriptions		
121068	Previous Findings		
121069	Previous Finding		
121070	Findings		
121071	Finding		
121072	Impressions		
121073	Impression		
121074	Recommendations		
121075	Recommendation		
121076	Conclusions		
121077	Conclusion		
121078	Addendum		
121079	Baseline		

121080	Best illustration of finding		
121081	Physician		
121082	Nurse		
121083	Technologist		
121084	Radiographer		
121085	Intern		
121086	Resident		
121087	Registrar		
121088	Fellow		
121089	Attending [Consultant]		
121090	Scrub nurse		
121091	Surgeon		
121092	Sonologist		
121093	Sonographer		
121094	Performing		
121095	Referring		
121096	Requesting		
121097	Recording		
121098	Verifying		
121099	Assisting		
121100	Circulating		
121101	Standby		
121102	Other sex	Other sex	
121103	Undetermined sex	Sex of subject undetermined at time of encoding	
121104	Ambiguous sex	Ambiguous sex	
121105	Radiation Physicist	Radiation Physicist	
121106	Comment	Comment	
121109	Indications for Procedure	Indications for Procedure	
121110	Patient Presentation	Patient condition at the beginning of a healthcare encounter	
121111	Summary	Summary of a procedure, including most significant findings	
121112	Source of measurement	Image or waveform used as source for measurement	
121113	Complications	Complications from a procedure	
121114	Performing Physician	Physician who performed a procedure	
121115	Discharge Summary	Summary of patient condition	

		upon Discharge from a healthcare facility	
121116	Proximal Finding Site	Proximal Anatomic Location for a differential measurement (e.g., distance or pressure gradient); may be considered subtype of term (G-C0E3, SRT, “Finding Site”)	
121117	Distal Finding Site	Distal Anatomic Location for a differential measurement (e.g., distance or pressure gradient); may be considered subtype of term (G-C0E3, SRT, “Finding Site”)	
121118	Patient Characteristics	Patient Characteristics (findings)	
121120	Cath Lab Procedure Log	Time-stamped record of events that occur during a catheterization procedure	
121121	Room identification	Room identification	
121122	Equipment identification	Equipment identification	
121123	Patient Status or Event	A recorded Patient Status or an event involving a patient	
121124	Procedure Action Item ID	Identification of a step, action, or phase of a procedure	
121125	DateTime of Recording of Log Entry	DateTime of Recording of an Entry in an Event Log	
121126	Performed Procedure Step SOP Instance UID	SOP Instance UID of a DICOM Modality Performed Procedure Step (MPPS) or General Purpose Performed Procedure Step (GPPPS)	
121127	Performed Procedure Step SOP Class UID	SOP Class UID for a DICOM Modality Performed Procedure Step (MPPS) or General Purpose Performed Procedure Step (GPPPS) Service	
121128	Procedure Action Duration	Duration of a step, action, or phase of a procedure	
121130	Start Procedure Action Item	Beginning of a step, action, or phase of a procedure	
121131	End Procedure Action Item	End of a step, action, or phase of a procedure	
121132	Suspend Procedure Action Item	Suspension of a step, action, or phase of a procedure	
121133	Resume Procedure Action Item	Resumption of a step, action, or phase of a procedure	
121135	Observation DateTime Qualifier	Concept modifier for the DateTime of Recording of an	

	Qualifier	Entry in an Event Log	
121136	DateTime Unsynchronized	Recorded DateTime had its source in a system clock not synchronized to other recorded DateTimes	
121137	DateTime Estimated	Recorded DateTime is estimated	
121138	Image Acquired	Event of the acquisition of an image	
121139	Modality	Type of data acquisition device	
121140	Number of Frames	Number of Frames in a multi-frame image	
121141	Image Type	Descriptor of an Image	
121142	Acquisition Duration	Duration of the acquisition of an image or a waveform	
121143	Waveform Acquired	Event of the acquisition of an image	
121144	Document Title	Document Title	
121145	Description of Material	Description of Material used in a procedure	
121146	Quantity of Material	Quantity of Material used in a procedure	
121147	Billing Code	Billing Code for materials used in a procedure	
121148	Unit Serial Identifier	Unit or Device Serial Identifier	
121149	Lot Identifier	Lot Identifier	
121150	Device Code	Vendor or local coded value identifying a device	
121151	Lesion Identifier	Identification of a Lesion observed during an imaging procedure	
121152	Person administering drug/contrast	Person administering drug/contrast	
121153	Lesion Risk	Assessment of the risk a coronary lesion presents to the health of a patient	
121154	Intervention attempt identifier	Identifier for an attempted Intervention	
121155	Deployment	Use of a device to deploy another device	
121156	Percutaneous Entry Action	Action of a clinical professional at the site of percutaneous access to a patient's cardiovascular system	
121157	Begin Circulatory Support	The action or event of beginning circulatory support for a patient	
121158	End Circulatory Support	The action or event of ending circulatory support for a patient	

121160	Oxygen Administration Rate	Rate of Oxygen Administration	
121161	Begin Oxygen Administration	The action or event of beginning administration of oxygen to a patient	
121162	End oxygen administration	The action or event of ending administration of oxygen to a patient	
121163	By ventilator	Method of administration of oxygen to a patient by ventilator	
121165	Patient Assessment Performed	The action or event of assessing the clinical status of a patient	
121166	Begin Pacing	The action or event of beginning pacing support for a patient	
121167	End Pacing	The action or event of ending pacing support for a patient	
121168	Begin Ventilation	The action or event of beginning ventilation support for a patient	
121169	End Ventilation	The action or event of ending ventilation support for a patient	
121171	Tech Note	Procedural note originated by a technologist	
121172	Nursing Note	Procedural note originated by a nurse	
121173	Physician Note	Procedural note originated by a Physician	
121174	Procedure Note	General procedural note	
121180	Key Images	List of references to images considered significant	
121181	DICOM Object Catalog	List of references to DICOM SOP Instances	
121192	Device Subject	A device is the subject of observations	
121193	Device Subject Name	Name or other identifier of a device that is the subject of observations	
121194	Device Subject Manufacturer	Manufacturer of a device that is the subject of observations	
121195	Device Subject Model Name	Model Name of a device that is the subject of observations	
121196	Device Subject Serial Number	Serial Number of a device that is the subject of observations	
121197	Device Subject Physical Location during observation	Physical Location of a device that is the subject of observations during those observations	
121198	Device Subject UID	Unique Identifier of a device that is the subject of observations	

121201	*Area Outline*		*Retired. Duplicate of (121056, DCM, "Area Outline") and not used.*
121202	*Area of Defined Region*		*Retired. Replaced with (G-A16A, SRT, "Area of defined region").*
121206	Distance	A one dimensional, or linear, numeric measurement	
121207	Height	Vertical measurement value	
121208	Inter-Marker Distance	Distance between marks on a device of calibrated size (e.g., a ruler)	
121210	*Path*		*Retired. Duplicate of (121055, DCM, "Path") and not used.*
121211	Path length	A one dimensional, or linear, numeric measurement along a polyline	
121213	*Perimeter Outline*		*Retired. Duplicate of (121057, DCM, "Perimeter Outline") and not used.*
121216	Volume estimated from single 2D region	A three-dimensional numeric measurement that is approximate, based on a two-dimensional region in a single image	
121217	Volume estimated from three or more non-coplanar 2D regions	A three-dimensional numeric measurement that is approximate, based on three or more non-coplanar two-dimensional image regions	
121218	Volume estimated from two non-coplanar 2D regions	A three-dimensional numeric measurement that is approximate, based on two non-coplanar two-dimensional image regions	
121219	Volume of bounding three dimensional region	A three-dimensional numeric measurement of the bounding region of a three-dimensional region of interest in an image set	
121220	Volume of circumscribed sphere	A three-dimensional numeric measurement of the bounding sphere of a three-dimensional region of interest in an image set	
121221	Volume of ellipsoid	A three-dimensional numeric measurement of an ellipsoid shaped three-dimensional region of interest in an image set	
121222	Volume of sphere	A three-dimensional numeric measurement of a sphere shaped three-dimensional region	

		of interest in an image set	
121230	Path Vertex	Coordinates of a point on a defined path	
121242	Distance from nipple	Indicates the location of the area of interest as measured from the nipple of the breast.	
121243	Distance from skin	Indicates the location of the area of interest as measured from the most direct skin point of the breast.	
121244	Distance from chest wall	Indicates the location of the area of interest as measured from the chest wall.	
121301	Simultaneous Doppler		
121302	Simultaneous Hemodynamic		
121303	Simultaneous ECG		
121304	Simultaneous Voice Narrative		
121305	Simultaneous Respiratory Waveform	A waveform representing chest expansion and contraction due to respiratory activity, measured simultaneously with the acquisition of this Image.	
121306	Simultaneous Arterial Pulse Waveform	Arterial pulse waveform obtained simultaneously with acquisition of a referencing image	
121307	Simultaneous Phonocardiographic Waveform	Phonocardiographic waveform obtained simultaneously with acquisition of a referencing image	
121311	Localizer	Image providing an anatomical reference on the patient under examination, for the purpose of defining the location of the ensuing imaging.	
121312	Biopsy localizer	Image providing an anatomical reference on the patient under examination, for the purpose of planning or documenting a biopsy.	
121313	Other partial views	Image providing a partial view of the target anatomy, when the target anatomy is too large for a single image.	
121314	Other image of biplane pair	Image providing a view of the target anatomy in a different imaging plane, typically from a near perpendicular angle	

121315	Other image of stereoscopic pair	Image providing a view of the target anatomy in a different imaging plane, typically with a small anglular difference	
121316	Images related to standalone object	Image related to a non-image information object	
121317	Spectroscopy	Image where signals are identified and separated according to their frequencies, e.g., to identify individual chemicals, or individual nuclei in a chemical compound.	
121320	Uncompressed predecessor	An image that has not already been lossy compressed that is used as the source for creation of a lossy compressed image	
121321	Mask image for image processing operation	Image used as the mask for an image processing operation, such as subtraction	
121322	Source image for image processing operation	Image used as the source for an image processing operation	
121324	Source Image	Image used as the source for a derived or compressed image	
121325	Lossy compressed image	Image encoded with a lossy compression transfer syntax	
121326	Alternate SOP Class instance	SOP Instance encoded with a different SOP Class but otherwise equivalent data	
121327	Full fidelity image	Full fidelity image, uncompressed or lossless compressed	
121328	Alternate Photometric Interpretation image	Image encoded with a different photometric interpretation	
121329	Source image for montage	Image used as a source for a montage (stitched) image	
121330	Lossy compressed predecessor	An image that has previously been lossy compressed that is used as the source for creation of another lossy compressed image	
121331	Equivalent CDA Document	HL7 Document Architecture (CDA) Document that contains clinical content equivalent to the referencing Instance	
121332	Complete Rendering for Presentation	Instance that contains a displayable complete rendering of the referencing Instance	
121333	Partial Rendering for Presentation	Instance that contains a displayable partial rendering of	

	Presentation	the referencing Instance	
121334	Extended Rendering for Presentation	Instance that contains a displayable complete rendering of the referencing Instance, plus additional content such as inline rendering of referenced images	
121335	Source Document	Document whose content has been wholly or partially transformed to create the referencing document	
121338	Anatomic image	Image showing structural anatomic features	
121339	Functional image	Image showing physical or chemical activity	
121340	Spectral filtered image	Image providing the same view of the target anatomy acquired using only a specific imaging wavelength, frequency or energy	
121341	Device localizer	Image providing an anatomical reference on the patient under examination, for the purpose of documenting the location of device such as a diagnostic or therapeutic catheter.	
121342	Dose Image	Image providing a graphic view of the distribution of radiation dose	
121346	Acquisition frames corresponding to volume	The referenced image is the source of spatially-related frames from which the referencing 3D volume dataset was derived	
121347	Volume corresponding to spatially-related acquisition frames	3D Volume containing the spatially-related frames in the referencing instance	
121348	Temporal Predecessor	Instance acquired prior to the referencing instance in a set of consecutively acquired instances	
121349	Temporal Successor	Instance acquired subsequent to the referencing instance in a set of consecutively acquired instances	
121360	Replaced report	The reference is to a predecessor report that has been replaced by the current report	
121361	Addended report	The reference is to a predecessor report to which the current report provides and addendum	

121362	Preliminary report	A report that precedes the final report and may contain only limited information; it may be time sensitive, and it is not expected to contain all the reportable findings	
121363	Partial report	A report that is not complete.	
121380	Active Ingredient Undiluted Concentration	Concentration of the chemically or physically interesting (active) ingredient of a drug or contrast agent as delivered in product form from the manufacturer, typically in mg/ml.	
121381	Contrast/Bolus Ingredient Opaque	X-ray absorption of the active ingredient of a contrast agent ingredient is greater than the absorption of water (tissue).	
121382	Quantity administered	Number of units of substance (e.g., tablets) administered to a patient	
121383	Mass administered	Mass of substance administered to a patient	
121401	Derivation	Method of deriving or calculating a measured value (e.g., mean, or maximum of set)	
121402	Normality	Assessment of a measurement relative to a normal range of values; may be considered subtype of term (G-C0F2, SRT, “has interpretation”)	
121403	Level of Significance	Significance of a measurement	
121404	Selection Status	Status of selection of a measurement for further processing or use	
121405	Population description	Description of a population of measurements	
121406	Reference Authority	Bibliographic or clinical reference for a Description of a population of measurements	
121407	Normal Range description	Description of a normal range of values for a measurement concept	
121408	Normal Range Authority	Bibliographic or clinical reference for a Description of a normal range of values	
121410	User chosen value	Observation value selected by user for further processing or use, or as most representative	
121411	Most recent value chosen	Observation value is the recently obtained, and has been selected	

		for further processing or use	
121412	Mean value chosen	Observation value is the mean of several measurements, and has been selected for further processing or use	
121414	Standard deviation of population	Standard deviation of a measurement in a reference population	
121415	Percentile Ranking of measurement	Percentile Ranking of an observation value with respect a reference population	
121416	Z-Score of measurement	Z-score of an observation value with respect a reference population, expressed as the dimensionless quantity (x-m)/s, where (x-m) is the deviation of the observation value (x) from the population mean (m), and s is the standard deviation of the population.	
121417	2 Sigma deviation of population	2 Sigma deviation of a measurement in a reference population	
121420	Equation	Formula used to compute a derived measurement	
121421	Equation Citation	Bibliographic reference to a formula used to compute a derived measurement; reference may be to a specific equation in a journal article	
121422	Table of Values Citation	Bibliographic reference to a Table of Values used to look up a derived measurement	
121423	Method Citation	Bibliographic reference to a method used to compute a derived measurement	
121424	Table of Values	A Table of Values used to look up a derived measurement	
121425	Index	Factor (divisor or multiplicand) for normalizing a measurement; e.g., body surface area used for normalizing hemodynamic measurements	
121427	*Estimated*	*Measurement obtained by observer estimation, rather than with a measurement tool or by calculation*	*Retired. Replaced with (R 10260, SRT, "Estimated")*
121428	*Calculated*	*Measurement obtained by calculation*	*Retired. Replaced with (R 41D2D, SRT, "Calculated")*
121430	Concern	Identified issue about a state or	

		process that has the potential to require intervention or management	
121431	DateTime Concern Noted	DateTime concern noted (noted by whom is determined by context of use)	
121432	DateTime Concern Resolved	DateTime the concern was resolved	
121433	DateTime Problem Resolved	DateTime the problem was resolved	
121434	Service Delivery Location	Place at which healthcare services may be provided	
121435	Service Performer	Identification of a healthcare provider who performed a healthcare service; may be either a person or an organization	
121436	Medical Device Used	Type or identifier of a medical device used on, in, or by a patient	
121437	*Pharmacologic and exercise stress test*	*Cardiac stress test using pharmacologic and exercise stressors*	*Retired. Replaced by (P2-31011, SRT, "Pharmacologic and exercise stress test")*
121438	*Paced stress test*	*Cardiac stress test using an implanted or external cardiac pacing device*	*Retired. Replaced by (P2-3110B, SRT, "Stress test using cardiac pacing")*
121439	*Correction of congenital cardiovascular deformity*	*Procedure for correction of congenital cardiovascular deformity*	*Retired.* *Replaced by (P1-080B4, SRT, "Correction of congenital cardiovascular deformity")*
122001	Patient called to procedure room	Patient called to procedure room	
122002	Patient admitted to procedure room	Patient admitted to procedure room	
122003	Patient given pre-procedure instruction	Patient given pre-procedure instruction	
122004	Patient informed consent given	Patient informed consent given	
122005	Patient advance directive given	Patient advance directive given	
122006	Nil Per Os (NPO) status confirmed	Nil Per Os (NPO) status confirmed	
122007	Patient assisted to table	Patient assisted to table	
122008	Patient prepped and draped	Patient prepped and draped	
122009	Patient connected to	Patient connected to continuous	

	continuous monitoring	monitoring	
122010	Patient transferred to holding area	Patient transferred to holding area	
122011	Patient transferred to surgery	Patient transferred to surgery	
122012	Patient transferred to CCU	Patient transferred to CCU	
122020	Patient disoriented	Patient disoriented	
122021	Patient reports nausea	Patient reports nausea	
122022	Patient reports discomfort	Patient reports discomfort	
122023	Patient reports chest pain	Patient reports chest pain	
122024	Patient reports no pain	Patient reports no pain	
122025	Patient alert	Patient alert	
122026	Patient restless	Patient restless	
122027	Patient sedated	Patient sedated	
122028	Patient asleep	Patient asleep	
122029	Patient unresponsive	Patient unresponsive	
122030	Patient has respiratory difficulty	Patient has respiratory difficulty	
122031	Patient coughed	Patient coughed	
122032	Patient disconnected from continuous monitoring	Patient disconnected from continuous monitoring	
122033	Hemostasis achieved	Hemostasis achieved	
122034	Hemostasis not achieved – oozing	Hemostasis not achieved – oozing	
122035	Hemostasis not achieved – actively bleeding	Hemostasis not achieved – actively bleeding	
122036	Patient given post-procedure instruction	Patient given post-procedure instruction	
122037	Patient discharged from department	Patient discharged from department or laboratory	
122038	Patient pronounced dead	Patient pronounced dead	
122039	Patient transferred to morgue	Patient transferred to morgue	
122041	Personnel Arrived	Identified personnel or staff arrived in procedure room	
122042	Personnel Departed	Identified personnel or staff departed procedure room	

122043	Page Sent To	Page sent to identified personnel or staff	
122044	Consultation With	Consultation with identified personnel or staff	
122045	Office called	Office of identified personnel or staff was called	
122046	Equipment failure	Equipment failure	
122047	Equipment brought to procedure room	Equipment brought to procedure room	
122048	Equipment ready	Equipment ready for procedure	
122049	Equipment removed	Equipment removed from procedure room	
122052	Bioptome	Device for obtaining biopsy sample	
122053	Valvular Intervention	Valvular Intervention	
122054	Aortic Intervention	Aortic Intervention	
122055	Septal Defect Intervention	Septal Defect Intervention	
122056	Vascular Intervention	Vascular Intervention	
122057	Myocardial biopsy	Myocardial biopsy	
122058	Arterial conduit angiography	Arterial conduit angiography	
122059	Single plane Angiography	Single plane Angiography	
122060	Bi-plane Angiography	Bi-plane Angiography	
122061	Percutaneous Coronary Intervention	Percutaneous Coronary Intervention	
122062	15-Lead ECG	15-Lead electrocardiography	
122072	Pre-procedure log	Log of events occuring prior to the current procedure	
122073	Current procedure evidence	Analysis or measurements for current procedure (purpose of reference to evidence document)	
122075	Prior report for current patient	Prior report for current patient	
122076	Consumable taken from inventory	Identifier of Consumable taken from inventory	
122077	Consumable returned to inventory	Identifier of Consumable returned to inventory	
122078	Remaining consumable disposed	Identifier of consumable whose remaining content has been disposed	
122079	Consumable unusable	Identifier of Consumable determined to be unusable	
122081	Drug start	Identifier of Drug whose	

		administration has started	
122082	Drug end	Identifier of Drug whose administration has ended	
122083	Drug administered	Identifier of Drug administered as part of procedure	
122084	Contrast start	Identifier of Contrast agent whose administration has started	
122085	Contrast end	Identifier of Contrast agent whose administration has ended	
122086	Contrast administered	Identifier of Contrast agent administered	
122087	Infusate start	Identifier of Infusate whose administration has started	
122088	Infusate end	Identifier of Infusate whose administration has ended	
122089	Device crossed lesion	Action of a device traversing a vascular lesion	
122090	Intervention Action	Action of a clinical professional performed on a patient for therapeutic purpose	
122091	Volume administered	Volume of Drug, Contrast agent, or Infusate administered	
122092	Undiluted dose administered	Undiluted dose of Drug, Contrast agent, or Infusate administered	
122093	Concentration	Concentration of Drug, Contrast agent, or Infusate administered	
122094	Rate of administration	Rate of Drug, Contrast agent, or Infusate administration	
122095	Duration of administration	Duration of Drug, Contrast agent, or Infusate administration	
122096	Volume unadministered or discarded	Volume of Drug, Contrast agent, or Infusate unadministered or discarded	
122097	Catheter Curve	Numeric parameter of Curvature of Catheter	
122098	Transmit Frequency	Transmit Frequency	
122099	ST change from baseline	Measured change of patient electrocardiographic ST level relative to baseline measurement	
122101	Aneurysm on cited vessel	Anatomic term modifier indicating aneurysm on cited vessel is the subject of the finding	
122102	Graft to cited segment, proximal section	Anatomic term modifier indicating proximal section of graft to cited vessel is the subject of the finding	

122103	Graft to cited segment, mid section	Anatomic term modifier indicating mid section of graft to cited vessel is the subject of the finding	
122104	Graft to cited segment, distal section	Anatomic term modifier indicating distal section of graft to cited vessel is the subject of the finding	
122105	DateTime of Intervention	DateTime of Intervention	
122106	Duration of Intervention	Duration of Intervention	
122107	*Baseline Stenosis Measurement*	*Lesion stenosis measured prior to any interventional procedure*	*Retired. Replaced with (R 101BB, SRT, "Lumen Diameter Stenosis"), post-coordinated with (G-7293, SRT, "Baseline Phase")*
122108	*Post-Intervention Stenosis Measurement*	*Lesion stenosis measured after an interventional procedure*	*Retired. Replaced with (R 101BB, SRT, "Lumen Diameter Stenosis"), post-coordinated with (G-7298, SRT, "Post-intervention Phase")*
122109	Baseline TIMI Flow	Assessment of perfusion across a coronary lesion measured prior to any interventional procedure	
122110	Post-Intervention TIMI Flow	Assessment of perfusion across a coronary lesion measured after an interventional procedure	
122111	Primary Intervention Device	Indication that device is the primary (first and/or most significant) device used for interventional therapy of a particular pathology (e.g., lesion)	
122112	Normal Myocardium	Normal Myocardium	
122113	Scarred Myocardium	Scarred Myocardium	
122114	Thinning Myocardium	Thinning Myocardium	
122120	Hemodynamics Report	Hemodynamics Report	
122121	Atrial pressure measurements	Atrial pressure measurements, report section	
122122	Ventricular pressure measurements	Ventricular pressure measurements, report section	
122123	Gradient assessment	Gradient assessment, report section	
122124	Blood velocity measurements	Blood velocity measurements, report section	
122125	Blood lab measurements	Blood lab measurements, report section	

122126	Derived Hemodynamic Measurements	Derived Hemodynamic Measurements, report section	
122127	Clinical Context	Clinical Context, report section	
122128	Patient Transferred From	Location from which the patient was transferred	
122129	PCI during this procedure	Indication that the procedure includes a percutaneous coronary intervention	
122130	Dose Area Product	Radiation dose times area of exposure	
122131	Degree of Thrombus	Finding of probability and/or severity of thrombus	
122132	Severity of Calcification	Severity of Calcification, property of lesion	
122133	Lesion Morphology	Lesion Morphology; form and/or structural properties of lesion	
122134	Vessel Morphology	Vessel Morphology; form and/or structural properties of vessel	
122138	Circulatory Support	Technique (device or procedure) of support for patient circulatory system; hemodynamic support	
122139	Reason for Exam	Reason for Exam	
122140	Comparison with Prior Exam Done	Indication that the current exam data has been compared with prior exam data	
122141	Electrode Placement	Electrocardiographic electrode placement technique	
122142	Acquisition Device Type	Acquisition Device Type	
122143	Acquisition Device ID	Acquisition Device ID	
122144	Quantitative Analysis	Quantitative Analysis, report section	
122145	Qualitative Analysis	Qualitative Analysis, report section	
122146	Procedure DateTime	The date and time on which a procedure was performed on a patient.	
122147	Clinical Interpretation	Clinical Interpretation, report section	
122148	Lead ID	ECG Lead Identifier	
122149	Beat Number	Beat Number; ordinal of cardiac cycle within an acquisition	
122150	Compound Statement	Complex coded semantic unit, consisting of several coded components	
122151	Trend	Trend (temporal progression) of a clinical condition, finding, or	

		disease	
122152	Statement	Coded semantic unit	
122153	Statement Modifier	Coded modifier for a semantic unit	
122154	Conjunctive Term	Conjunctive term between semantic units	
122157	Probability	Probability	
122158	ECG Global Measurements	ECG Global Measurements, report section	
122159	ECG Lead Measurements	ECG Lead Measurements, report section	
122160	Derived Area, Non-Valve	Derived cross-sectional area of a vessel or anatomic feature, other than a cardiac valve	
122161	Pulmonary Flow	Rate of blood flow through Pulmonary artery	
122162	Systemic Flow	Rate of blood flow through the aorta	
122163	Discharge DateTime	DateTime of patient discharge from hospital admission	
122164	Coronary Artery Bypass During This Admission	Indication that a Coronary Artery Bypass operation was performed during the current hospital admission	
122165	Date of Death	Date of Death	
122166	Death During This Admission	Indication that the patient died during the current hospital admission	
122167	Death During Catheterization	Indication that the patient died during the current Catheterization procedure	
122170	Type of Myocardial Infarction	Finding of type of Myocardial Infarction	
122171	Coronary lesion >= 50% stenosis	Finding of Coronary lesion with greater than 50% stenosis	
122172	Acute MI Present	Finding of Acute Myocardial Infarction Presence as indication for interventional procedure	
122173	ST Elevation Onset DateTime	DateTime of first determination of elevated ECG ST segment, as indication of Myocardial Infarction	
122175	Number of lesion interventions attempted	Number of lesion interventions attempted during current procedure	
122176	Number of lesion interventions successful	Number of lesion interventions successful during current procedure, where the residual post intervention stenosis is less	

		than or equal to 50% of the arterial luminal diameter, TIMI Flow is 3 and the minimal decrease in stenosis was 20%.	
122177	Procedure Result	Overall success of interventional procedure	
122178	Lesion Intervention Information	Lesion Intervention Information, report section	
122179	Peri-procedural MI occurred	Indication that Myocardial Infarction occurred during current procedure	
122180	CK-MB baseline	Creatine Kinase–MB value at baseline (start of procedure)	
122181	CK-MB peak	Creatine Kinase–MB highest value measured during procedure	
122182	R-R interval	Time interval between ECG R-wave peaks in subsequent cardiac cycles	
122183	Blood temperature	Blood temperature	
122185	Blood Oxygen content	Blood Oxygen content	
122187	Blood Carbon dioxide saturation	Blood Carbon dioxide saturation	
122188	Pulmonary Arterial Content (FCpa)	Pulmonary Arterial Content (FCpa)	
122189	Pulmonary Venous Content (FCpv)	Pulmonary Venous Content (FCpv)	
122190	Max dp/dt/P	Max dp/dt/P	
122191	Ventricular End Diastolic pressure	Ventricular End Diastolic pressure	
122192	Indicator appearance time	Elapsed time from injection of an indicator bolus until it is observed at another location	
122193	Maximum pressure acceleration	Maximum pressure acceleration	
122194	Ventricular Systolic blood pressure	Ventricular Systolic blood pressure	
122195	Pulse Strength	Pulse Strength; palpable strength of systolic flow	
122196	C wave pressure	The secondary peak pressure in the atrium during atrial contraction	
122197	Gradient pressure, average	Gradient pressure, average	
122198	Gradient pressure, peak	Gradient pressure, peak	
122199	Pressure at dp/dt	Pressure at dp/dt max	

	max		
122220	Hemodynamic Resistance Index	Hemodynamic Resistance Index	
122221	Thorax diameter, sagittal	Thorax diameter, sagittal	
122222	Procedure Environmental Characteristics	Environmental characteristics in the procedure room	
122223	Room oxygen concentration	Oxygen concentration in the procedure room	
122224	Room temperature	Temperature in the procedure room	
122225	Room Barometric pressure	Barometric pressure in the procedure room	
122227	Left to Right Flow	Left to Right Flow	
122228	Right to Left Flow	Right to Left Flow	
122229	Arteriovenous difference	Arteriovenous oxygen content difference	
122230	10 Year CHD Risk	Framingham Study 10 Year CHD Risk	
122231	Comparative Average 10 Year CHD Risk	Framingham Study Comparative Average 10 Year CHD Risk	
122232	Comparative Low 10 Year CHD Risk	Framingham Study Comparative Low 10 Year CHD Risk	
122233	LDL Cholesterol Score Sheet for Men	Framingham Study LDL Cholesterol Score Sheet for Men	
122234	LDL Cholesterol Score Sheet for Women	Framingham Study LDL Cholesterol Score Sheet for Women	
122235	Total Cholesterol Score Sheet for Men	Framingham Study Total Cholesterol Score Sheet for Men	
122236	Total Cholesterol Score Sheet for Women	Framingham Study Total Cholesterol Score Sheet for Women	
122237	Corrected Sinus Node Recovery Time	Corrected Sinus Node Recovery Time	
122238	Max volume normalized to 50mmHg pulse pressure	Max volume normalized to 50mmHg pulse pressure	
122239	Oxygen Consumption	Oxygen Consumption	
122240	BSA = 0.003207*WT^(0.7285-0.0188 log (WT))*HT^0.3	Body Surface Area computed from patient height and weight: BSA = 0.003207*WT[kg]^(0.7285-0.0188 log (WT[kg]))*HT[cm]^0.3	

122241	BSA = 0.007184*WT^0.425* HT^0.725	Body Surface Area computed from patient height and weight: BSA = 0.007184*WT[kg]^0.425*HT[cm] ^0.725 [Dubois and Dubois, Proc Soc Exp Bio NY, 1916]	
122242	BSA = 0.0235*WT^0.51456* HT^0.42246	Body Surface Area computed from patient height and weight: BSA = 0.0235*WT[kg]^0.51456*HT[cm] ^0.42246	
122243	BSA = 0.024265*WT^0.537 8*HT^0.3964	Body Surface Area computed from patient height and weight: BSA = 0.024265*WT[kg]^0.5378*HT[cm]^0.3964	
122244	BSA = (HT * WT/36)^0.5	Body Surface Area computed from patient height and weight: BSA = (HT[m] * WT[kg]/36)^0.5	
122247	VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf)	Equation for estimated oxygen consumption: VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf)	
122248	VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf)	Equation for estimated oxygen consumption: VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf)	
122249	VO2 = VeSTPD * 10 * (FIO2 - FE02)	Equation for estimated oxygen consumption: VO2 = VeSTPD * 10 * (FIO2 - FE02)	
122250	VO2 = 152 * BSA	Equation for estimated oxygen consumption: VO2 = 152 * BSA	
122251	VO2 = 175 * BSA	Equation for estimated oxygen consumption: VO2 = 175 * BSA	
122252	VO2 = 176 * BSA	Equation for estimated oxygen consumption: VO2 = 176 * BSA	
122253	Robertson & Reid table	Robertson & Reid Table for estimated oxygen consumption	
122254	Fleisch table	Fleisch table for estimated oxygen consumption	
122255	Boothby table	Boothby table for estimated oxygen consumption	
122256	if (prem age< 3days) P50= 19.9	Estimate of Oxygen partial pressure at 50% saturation for premature infants less than 3 days old: P50= 19.9	
122257	if (age < 1day) P50= 21.6	Estimate of Oxygen partial pressure at 50% saturation for infants less than 1 day old: P50= 21.6	

122258	if (age < 30day) P50= 24.6	Estimate of Oxygen partial pressure at 50% saturation for infants less than 30 days old: P50= 24.6	
122259	if (age < 18y) P50= 27.2	Estimate of Oxygen partial pressure at 50% saturation for patients less than 18 years old: P50= 27.2	
122260	if (age < 40y) P50= 27.4	Estimate of Oxygen partial pressure at 50% saturation for patients less than 40 years old: P50= 27.4	
122261	if (age > 60y) P50= 29.3	Estimate of Oxygen partial pressure at 50% saturation for patients more than 60 years old: P50= 29.3	
122262	Area = Flow / 44.5 * sqrt(Gradient[mmHg])	Cardiac valve area computed from flow and pressure gradient: Area = Flow / 44.5 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951]	
122263	MVA = Flow / 38.0 * sqrt(Gradient[mmHg])	Mitral valve area computed from flow and pressure gradient: Mitral valve Area = Flow / 38.0 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951]	
122265	BMI = Wt/Ht^2	Body Mass Index computed from weight and height: BMI = Wt/Ht^2	
122271	Skin Condition Warm	Skin Condition Warm	
122272	Skin Condition Cool	Skin Condition Cool	
122273	Skin Condition Cold	Skin Condition Cold	
122274	Skin Condition Dry	Skin Condition Dry	
122275	Skin Condition Clammy	Skin Condition Clammy	
122276	Skin Condition Diaphoretic	Skin Condition Diaphoretic	
122277	Skin Condition Flush	Skin Condition Flush	
122278	Skin Condition Mottled	Skin Condition Mottled	
122279	Skin Condition Pale	Skin Condition Pale	
122281	Airway unobstructed	Airway unobstructed	
122282	Airway partially obstructed	Airway partially obstructed	
122283	Airway severely obstructed	Airway severely obstructed	
122288	Not Visualized	Anatomy could not be visualized for the purpose of evaluation	

122291	Quantitative Arteriography Report	Quantitative Arteriography Report	
122292	Quantitative Ventriculography Report	Quantitative Ventriculography Report	
122301	Guidewire crossing lesion unsuccessful	Guidewire crossing lesion unsuccessful	
122302	Guidewire crossing lesion successful	Guidewire crossing lesion successful	
122303	Angioplasty balloon inflated	Angioplasty balloon inflated	
122304	Angioplasty balloon deflated	Angioplasty balloon deflated	
122305	Device deployed	Device deployed	
122306	Stent re-expanded	Stent re-expanded	
122307	Object removed	Object removed	
122308	Radiation applied	Radiation applied	
122309	Radiation removed	Radiation removed	
122310	Interventional device placement unsuccessful	Interventional device placement unsuccessful	
122311	Interventional device placed	Interventional device placed	
122312	Intervention performed	Intervention performed	
122313	Interventional device withdrawn	Interventional device withdrawn	
122319	Catheter Size	Catheter Size	
122320	Injectate Temperature	Injectate Temperature	
122321	Injectate Volume	Injectate Volume	
122322	Calibration Factor	Factor by which a measured or calculated value is multiplied to obtain the estimated real-world value.	
122325	IVUS Report	Intravascular Ultrasound Report	
122330	EEM Diameter	External Elastic Membrane (EEM) diameter measured through the center point of the vessel. Center point of the vessel is defined as the center of gravity of the EEM area. The EEM is a discrete interface at the border between the media and the adventitia.	
122331	Plaque Plus Media Thickness	The distance from intimal leading edge to the external elastic membrane along any line	

		passing through the luminal center, which is defined as the center of gravity of the lumen area.	
122332	Lumen Perimeter	Planimetered perimeter of the lumen.	
122333	EEM Cross-Sectional Area	Vessel area measured at the External Elastic Membrane (EEM), a discrete interface at the border between the media and the adventitia.	
122334	Plaque plus Media Cross-Sectional Area	Area within the EEM occupied by atheroma, regardless of lumen compromise. Plaque plus Media Area = EEM cross-sectional area - vessel lumen cross-sectional area	
122335	In-Stent Neointimal Cross-Sectional Area	Measurement of in-stent restenosis. In-Stent Intimal Area = Stent cross-sectional area – vessel lumen cross-sectional area	
122336	Vascular Volume measurement length	Longitudinal extent of the Vascular Volume Measurement. This is the distance from the distal edge to the proximal edge of the Volume measurement.	
122337	Relative position	Longitudinal distance from the closest edge of a fiducial feature or reference location to the start of the vascular measurement. This value will be a positive if the measurement is distal to the fiducial feature or reference location, or negative if the measurement is proximal to the fiducial feature or reference location.	
122339	Stent Volume Obstruction	In-Stent Neointimal Volume / Stent Volume	
122340	Fiducial feature	Reference, normally anatomical, which is used for locating the position of a measurement.	
122341	Calcium Length	Longitudinal calcium length measurement	
122343	Lumen Eccentricity Index	Measurement of vessel lumen eccentricity. Lumen Eccentricity Index = (maximum vessel lumen diameter - minimum vessel lumen diameter) / maximum vessel lumen diameter. Lumen diameters are measured through the center point of the lumen,	

		which is defined as the center of gravity of the lumen area.	
122344	Plaque plus Media Eccentricity Index	Plaque plus Media Eccentricity Index = (maximum Plaque plus media thickness - minimum Plaque plus media thickness) / maximum Plaque plus media thickness	
122345	Remodeling Index	Measurement of increase or decrease in EEM area that occurs during the development of atherosclerosis. Remodeling Index = Lesion EEM area / reference EEM area	
122346	Stent Symmetry Index	Measurement of stent circularity. Stent Symmetry Index = (maximum stent diameter - minimum stent diameter) / maximum stent diameter	
122347	Stent Expansion Index	Measurement of stent area relative to the reference lumen area. Stent Expansion Index = Minimum stent area / reference vessel lumen cross-sectional area	
122348	Lumen Shape Index	Measurement of vessel lumen eccentricity. Lumen Shape Index = (2π * sqrt(Vessel lumen cross-sectional area / π) / Lumen Perimeter) 2 Reference: Tobis & Yock, “Intravascular Ultrasound Imaging”, Chapter 7	
122350	Lumen Diameter Ratio	Lumen diameter ratio = minimum vessel lumen diameter / maximum vessel lumen diameter, measured at the same cross section in the vessel. Lumen diameters are measured through the center point of the lumen, which is defined as the center of gravity of the lumen area.	
122351	Stent Diameter Ratio	Stent diameter ratio = Minimum stent diameter / Maximum stent diameter, measured at the same cross section in the vessel. Stent diameters are measured through the center point of the stent, which is defined as the center of gravity of the stent area.	
122352	EEM Diameter Ratio	EEM diameter ratio = minimum EEM diameter / maximum EEM	

		diameter. Measured at the same cross section in the vessel.	
122354	Plaque Burden	Fractional area within the External Elastic Membrane (EEM) occupied by atheroma. Plaque Burden = (EEM area - vessel lumen cross-sectional area) / EEM area	
122355	Arc of Calcium	Angular measurement of a Calcium deposit with the apex located at the center of the lumen, which is defined as the center of gravity of the lumen area.	
122356	Soft plaque	Plaque characterized by low density or echogenicity.	
122357	In-Stent Neointima	Abnormal thickening of the intima within the stented segment.	
122360	True Lumen	Lumen surrounded by all three layers of the vessel-intima, media, and adventitia.	
122361	False Lumen	A channel, usually parallel to the true lumen, which does not communicate with the true lumen over a portion of its length.	
122363	Plaque Rupture	Plaque ulceration with a tear detected in a fibrous cap.	
122364	Stent Gap	Length of gap between two consecutive stents.	
122367	T-1 Worst	Worst stenosis - the stenosis with the smallest lumen size within a vessel segment.	
122368	T-2 Secondary	2nd most severe stenosis within a vessel segment.	
122369	T-3 Secondary	3rd most severe stenosis within a vessel segment.	
122370	T-4 Secondary	4th most severe stenosis within a vessel segment.	
122371	EEM Volume	External Elastic Membrane (EEM) volume measured within a specified region. The EEM is a discrete interface at the border between the media and the Adventitia.	
122372	Lumen Volume	Lumen volume measured within a specified region.	
122374	In-Stent Neointimal Volume	The amount of plaque between the lumen and stent, within the stent region; In-stent	

		restenosis. In-Stent Neointimal Volume = Stent Volume - Lumen Volume	
122375	Native Plaque Volume	The amount of plaque between the stent and the EEM, within the stent region. Native Plaque Volume = EEM Volume - Stent Volume	
122376	Total Plaque Volume	Total amount of plaque between the EEM and the Lumen, over the entire region that is measured. Total Plaque Volume = EEM Volume - Lumen Volume.	
122380	Proximal Reference	Proximal reference segment measurement site. Typically the site with the largest lumen proximal to a stenosis but within the same segment (usually within 10 mm of the stenosis with no major intervening branches).	
122381	Distal Reference	Distal reference segment measurement site. Typically the site with the largest lumen distal to a stenosis but within the same segment (usually within 10 mm of the stenosis with no major intervening branches).	
122382	Site of Lumen Minimum	Site of the smallest lumen in a vessel, e.g., due to a stenotic lesion.	
122383	Entire Pullback	Measurement region that encompasses the entire vessel imaged in a single pullback acquisition	
122384	Stented Region	Measurement region occupied by the stent	
122385	Proximal Stent Margin	Region starting at the proximal edge of the Stent and extending several millimeters (usually 5 mm) proximal to the Stent edge.	
122386	Distal Stent Margin	Region starting at the distal edge of the Stent and extending several millimeters (usually 5 mm) distal to the Stent edge.	
122387	Dissection Classification	Classification of dissections in a vessel	
122388	Intra-stent Dissection	Separation of neointimal hyperplasia from stent struts, usually seen only after treatment of in-stent restenosis.	
122389	Vulnerable Plaque	Plaque with a thin cap fibrous	

		atheroma that is at increased risk of rupture and thrombosis (or re-thrombosis) and rapid stenosis progression.	
122390	Eroded Plaque	Plaque erosions with no structural defect (beyond endothelial injury) or gap in the plaque.	
122391	Relative Stenosis Severity	Stenosis severity classifications of multiple lesions in a vessel.	
122393	Restenotic Lesion	A finding of a previously treated lesion in which stenosis has reoccurred.	
122394	Fibro-Lipidic Plaque	Loosely packed bundles of collagen fibers with regions of lipid deposition present. Region is cellular and no cholesterol clefts or necrosis are present. Some macrophage infiltration. Increase in extra cellular matrix.	
122395	Necrotic-Lipidic Plaque	Area within the plaque with very low echogenicity separated from the lumen and surrounded by more echogenic structures (fibrous cap). Highly lipidic necrotic region with remnants of foam cells and dead lymphocytes present. No collagen fibers are visible and mechanical integrity is poor. Cholesterol clefts and micro calcifications are visible.	
122398	Intimal Dissection	Dissection limited to the intima or atheroma, and not extending to the media.	
122399	Medial Dissection	Dissection in the arterial Media, extending into the media.	
122400	Simultaneously Acquired	The referenced information was acquired simultaneously with the information in the object in which the reference occurs.	
122401	Same Anatomy	Information acquired for the same anatomic region.	
122402	Same Indication	Information acquired for the same indication (e.g. to elucidate the same diagnostic question).	
122403	For Attenuation Correction	The referenced information was used to correct the data for differential attenuation through different anatomic tissue.	
122404	Reconstructed	Value estimated for a vessel in	

		the absence of a stenosis	
122405	Algorithm Manufacturer	Manufacturer of application used	
122406	Left Atrial Ejection Fraction by Angiography	Left Atrial Ejection Fraction by Angiography	
122407	Left Atrial ED Volume	Left Atrial End Diastolic Volume	
122408	Left Atrial ES Volume	Left Atrial End Systolic Volume	
122410	Contour Realignment	Contour repositioning of End Diastolic relative to End Systolic contour	
122411	Threshold Value	The minimum standard deviation to define the hypokinesis and hyperkinesis	
122417	Regional Abnormal Wall Motion	Report of differentiation of wall motion compared to normal	
122421	Calibration Object	Object used for Calibration	
122422	Calibration Method	Method used for Calibration	
122423	Calibration Object Size	Size of calibration object	
122428	Area Length Method	Method how long axis is positioned	
122429	Volume Method	Model for cardiac chamber volume calculation	
122430	Reference Method	Method to define original diameter of the artery	
122431	Regression Slope ED	Relation between calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used.	
122432	Regression Offset ED	Correction factor for the calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used.	
122433	Regression Slope ES	Relation between calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used.	
122434	Regression Offset ES	Correction factor for the calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used.	
122435	Regression Volume	Exponent of volume in	

	Exponent	regression formula	
122438	Reference Points	Container for spatial locations or coordinates used for calculation	
122445	Wall Thickness	Average thickness of the chamber wall in the current view	
122446	Wall Volume	Volume of the chamber wall estimated from the current view	
122447	Wall Mass	Mass of the chamber wall (myocardium)	
122448	Wall Stress	Peak systolic stress of chamber wall	
122449	Centerline Wall Motion Analysis	Method to calculate wall motion [example: Sheehan, 1986]	
122450	Normalized Chord Length	The length between End Diastolic and End Systolic contour perpendicular on the centerline normalized by a method dependent ventricular perimeter length. The centerline is the line equidistant between the End Diastolic and End Systolic contour [example: Sheehan, 1986]	
122451	Abnormal Region	The report of the boundaries of the abnormal (hyperkinetic, hypokinetic, a-kinetic) regions associated with the territory of the artery [example: Sheehan, 1986]	
122452	First Chord of Abnormal Region	The chord number specifying the begin of abnormal region [example: Sheehan, 1986]	
122453	Last Chord of Abnormal Region	The chord number specifying the end of abnormal region [example: Sheehan, 1986]	
122459	Territory Region Severity	Severity at the regional abnormality extent [example: Sheehan, 1986]	
122461	Opposite Region Severity	Severity at the opposite regional abnormality extent [example: Sheehan, 1986]	
122464	LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies between 5 – 85. [Sheehan, 1986]	
122465	RCA Region in ROA Projection	Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies	

		between 25 – 85. [Sheehan, 1986]	
122466	Single LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 10 – 66 (hypokinetic) and 67 – 80 (hyperkinetic). [Sheehan, 1986]	
122467	Single RCA Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 51 – 80 (hypokinetic) and 10 – 50 (hyperkinetic). [Sheehan, 1986]	
122468	Multiple LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 10 – 58 (hypokinetic) and 59 –80 (hyperkinetic). [Sheehan, 1986]	
122469	Multiple RCA Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 59 – 80 (hypokinetic) and 10 – 58 (hyperkinetic). [Sheehan, 1986]	
122470	LAD Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 50 –100 (hypokinetic) and 20 – 49 (hyperkinetic). [Sheehan, 1986]	
122471	RCA Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 19 – 67 (hypokinetic) and 68 – 100 (hyperkinetic). [Sheehan, 1986]	
122472	CFX Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 38 –74 (hypokinetic) and 75 – 100 (hyperkinetic). [Sheehan, 1986]	
122473	Circular Method	Method based on assumption that the image object is circular.	

122474	Densitometric Method	Method based on the gray value distribution of the image.	
122475	Center of Gravity	End Systolic contour realigned to End Diastolic contour based on the center of gravity	
122476	Long Axis Based	End Systolic contour realigned to End Diastolic contour based on the mid point of the long axis. The long axis end points are defined as the posterior and apex.	
122477	No Realignment	No Contour Realignment applied	
122480	Vessel Lumen Cross-Sectional Area	Calculated Vessel Lumen Cross-Sectional Area based on the referenced method	
122481	Contour Start	Location of the beginning of a contour	
122482	Contour End	Location of the end of a contour	
122485	Sphere	Sphere is used as calibration object	
122486	Geometric Isocenter	Object of interest in isocenter of image and pixel separation is calculated from geometric data	
122487	Geometric Non-Isocenter	Object of interest not in isocenter of image and pixel separation is calculated from geometric data and out of isocenter distances	
122488	Calibration Object Used	Object used for calibration (e.g. sphere)	
122489	Curve Fitted Reference	Application dependent method to calculate the reference diameter based on the multiple diameter values.	
122490	Interpolated Local Reference	Application dependent method to calculate reference by interpolation, based on the diameter of two or more user defined reference positions.	
122491	Mean Local Reference	Application dependent method to calculate by averaging the reference, based on the diameter of one or more user defined reference positions.	
122493	Radial Based Wall Motion Analysis	Method to calculate wall motion based on the lengths of the radials in the predefined regions [Ingels]	
122495	Regional Contribution to Ejection Fraction	Contribution of Region to global Ejection factor based on radial or landmark based wall motion	

		method	
122496	Radial Shortening	The reduction of area between End Systolic and End Diastolic based on radial wall motion analysis	
122497	Landmark Based Wall Motion Analysis	Method to calculate wall motion based on the move of landmarks on the wall [Slager]	
122498	Slice Contribution to Ejection Fraction	Contribution to the ejection fraction of a specific slice region [Slager]	
122499	Frame to Frame Analysis	Method to calculate volumes of heart chambers for every image in a range	
122501	Area of closed irregular polygon	The area is derived by considering a set of coordinates as a closed irregular polygon, accounting for inner angles. The exact method, such as by decomposition into triangles or quadrilaterals, is not specified, since it does not affect the numeric result, apart from the effect of numeric precision during computation of intermediate results.	
122502	Area of a closed NURBS	The area is derived by using a set of coordinates as control points for a Non Uniform Rational B-Spline (NURBS).	
122503	Integration of sum of closed areas on contiguous slices	The volume derived by integrating the sum of the areas on adjacent slices across the slice interval; each area is defined by a regular planar shape or by considering a set of coordinates as a closed irregular polygon, accounting for inner angles.	
122505	Calibration	Procedure used to calibrate measurements or measurement devices	
122507	Left Contour	Left contour of lumen (direction proximal to distal)	
122508	Right Contour	Right contour of lumen (direction proximal to distal)	
122509	Diameter Graph	Ordered set of diameters values derived from contours (direction proximal to distal)	
122510	Length Luminal Segment	Length Luminal Segment	

122511	Graph Increment	Increment value along X-axis in Diameter Graph	
122516	Site of Maximum Luminal	Location of the maximum lumen area in a lesion or vessel.	
122517	Densitometric Luminal Cross-sectional Area Graph	Ordered set of cross-sectional Vessel Lumen Cross-Sectional Area values derived from contours (direction proximal to distal) based on densitometric method	
122528	Position of Proximal Border	Position of proximal border of segment relative to the contour start (proximal end of analysis area)	
122529	Position of Distal Border	Position of distal border of segment relative to the contour start (proximal end of analysis area)	
122542	Plaque Area	Longitudinal cross sectional area of plaque	
122544	Diameter Symmetry	Symmetry of stenosis (0 = complete asymmetry, 1 = complete symmetry) [reference PS 3.17 X.2]	
122545	Area Symmetry	Symmetry of plaque (0 = complete asymmetry, 1 = complete symmetry) [reference PS 3.17 X.2]	
122546	Inflow Angle	The average slope of the diameter function between the position of the minimum luminal diameter and the position of the proximal border of the segment	
122547	Outflow Angle	The average slope of the diameter function between the position of the minimum luminal diameter and the position of the distal border of the segment	
122548	Stenotic Flow Reserve	The relation between coronary pressure and coronary flow	
122549	Poiseuille Resistance	Poiseuille Resistance at the location of the stenosis	
122550	Turbulence Resistance	Turbulence Resistance at the location of the stenosis	
122551	Pressure Drop at SFR	Pressure drop over the stenosis at maximum heart output	
122554	Segmentation Method	Method for selection of vessel sub-segments	
122555	Estimated Normal Flow	Estimate of the volume of blood flow in the absence of stenosis	

122558	Area Length Kennedy	Area Length method defined by Kennedy [Kennedy, 1970]	
122559	Area Length Dodge	Area Length method defined by Dodge [Dodge, 1960]	
122560	Area Length Wynne	Area Length method defined by Wynne [Wynne]	
122562	Multiple Slices	Volume method based on multiple slice	
122563	Boak	Volume method defined by Boak [Boak]	
122564	TS Pyramid	Volume method defined by Ferlinz [Ferlinz]	
122565	Two Chamber	Volume method defined by Graham [Graham]	
122566	Parallelepiped	Volume method defined by Arcilla [Arcilla]	
122572	BSA^1.219	Corrected Body Surface area for indexing the hemodynamic measurements for a pediatric patient	
122574	Equidistant method	Method for selecting sub-segments that are all of the same length	
122575	User selected method	Manually selected start and end of sub-segment	
122582	Left ventricular posterobasal segment	Left ventricular posterobasal segment	
122600	Cardiovascular Analysis Report	Report of a Cardiovascular Analysis, typically from a CT or MR study	
122601	Ventricular Analysis	Ventricular Analysis	
122602	Myocardial Perfusion Analysis	Myocardial Perfusion Analysis	
122603	Calcium Scoring Analysis	Calcium Scoring Analysis	
122604	Flow Quantification	Flow Quantification Analysis	
122605	Vascular Morphological Analysis	Vascular Morphological Analysis	
122606	Vascular Functional Analysis	Vascular Functional Analysis	
122607	Thickening Analysis	Analysis of myocardial wall thickening	
122608	Absolute Values Of Ventricular Measurements	Section Heading for absolute values of ventricular measurements	
122609	Normalized Values	Results of normalizing	

	Of Ventricular Measurements	ventricular measurements	
122611	Reference Point	Reference Point of a measurement	
122612	Central breathing position	Central breathing position between inspiration and expiration	
122616	Peak Ejection Rate	Peak of the ventricular ejection rate	
122617	Peak Ejection Time	Time of the peak of ventricular ejection	
122618	Peak Filling Rate	Peak of the fluid filling rate	
122619	Peak Filling Time	Time interval from a given reference point (e.g. end systole) until time of peak filling	
122620	Papillary Muscle Excluded	Papillary muscle was excluded from the measurement	
122621	Papillary Muscle Included	Papillary muscle was included in the measurement	
122624	Wall Thickness Ratio end-systolic to end-diastolic	The ratio of the end-systolic wall thickness compared to the end-diastolic wall thickness	
122627	Curve Fit Method	The method to smooth a ventricular volume as a function of time	
122628	Baseline Result Correction	Baseline correction used in the calculation of the results	
122631	Signal Earliest Peak Time	The time in a dynamic set of images at which the first peak of the signal is observed for the analysed myocardial wall segments.	
122633	Signal Increase Start Time	This is the time at which the signal begins to increase.	
122634	Signal Time to Peak	Time interval between the beginning of the signal increase to the time at which the signal intensity reaches its first maximum in a dynamic set of images.	
122635	MR Perfusion Peak	Peak of the MR perfusion signal	
122636	MR Perfusion Slope	Signal intensity as a function of time. It is the change in the signal intensity divided by the change in the time.	
122637	MR Perfusion Time Integral	MR perfusion time integral from baseline (foot time) to earliest peak	
122638	Signal Baseline Start	First time point in a dynamic set of images used in the calculation	

		of the baseline signal intensity for each myocardial wall segment.	
122639	Signal Baseline End	Last time point in a dynamic set of images used in the calculation of the baseline signal intensity for each myocardial wall segment.	
122640	Image Interval	The time delta between images in a dynamic set of images.	
122642	Velocity Encoding Minimum Value	The minimum velocity encoded by the phase encoding gradient	
122643	Velocity Encoding Maximum Value	The maximum velocity encoded by the phase encoding gradient	
122645	Net Forward Volume	Forward volume-reverse volume	
122650	Area Based Method	Area Based Method for estimating volume or area	
122651	Diameter Based Method	Diameter Based Method for estimating volume, area or diameter	
122652	Volume Based Method	Volume Based Method for estimating volume	
122655	NASCET	A method of diameter measurements according to NASCET (North American Symptomatic Carotid Endarterectomy Trial)	
122656	ECST	A method of diameter measurements according to ECST (European Carotid Surgery Trial)	
122657	Agatston Score Threshold	Agatston Score Threshold	
122658	Calcium Mass Threshold	Calcium Mass Threshold	
122659	Calcium Scoring Calibration	Calcium Scoring Calibration	
122660	Calcium Volume	Calcium Volume	
122661	Calcium Mass	Calcium Mass	
122664	Late Contrast Enhancement	Delayed hyperenhancement of a tissue observed in an image acquired after injection of contrast media.	
122665	Time interval since injection of contrast media	Time interval since injection of contrast media	
122666	Time relative to R-wave peak	Time relative to R-wave peak	
122667	Blood velocity vs.	Relationship between blood	

	time of cardiac cycle	velocity and time relative to R-wave peak	
122668	Time interval since detection of contrast bolus	Time interval since detection of contrast bolus	
122670	Papillary Muscle Included/Excluded	Indicates if the papillary muscle was included or excluded in the measurement	
122675	Anterior-Posterior	Anterior to Posterior direction	
122680	endoleak	Persistent flow of blood into the stent-grafting	
122683	Stent Fracture	Fracture of a stent	
122684	Stent Disintegration	Disintegration of a stent	
122685	Stent Composition	Material that a stent consists of	
122686	Parent Vessel Finding	Finding about the characteristics of the parent vessel of a vessel	
122687	Site of Lumen Maximum	Site of Maximal lumen diameter of a vessel	
122698	X-Concept	The physical domain (time, space, etc.) to the horizontal axis of the graphical presentation.	
122699	Y-Concept	The physical domain (time, space, etc.) to the vertical axis of the graphical presentation.	
122700	Indications for Pharmacological Stress	Indications for Pharmacological Stress	
122701	Procedure time base	Reference time for measurement of elapsed time in a procedure	
122702	Treadmill speed	Treadmill speed	
122703	Treadmill gradient	Treadmill gradient	
122704	Ergometer power	Ergometer power	
122705	Pharmacological Stress Agent Dose Rate	Pharmacological Stress Agent Dose Rate	
122706	Rating of Perceived Exertion	Rating of Perceived Exertion	
122707	Number of Ectopic Beats	Number of ectopic beats during a period of collection	
122708	Double Product	Heart rate times systolic blood pressure	
122709	Activity workload	Physical activity workload (intensity) measurement	
122710	Time since start of stage	Elapsed time at stage	
122711	Exercise duration after stress agent	Exercise duration after stress agent injection	

	injection		
122712	Imaging Start Time	Imaging Start Time	
122713	Attenuation correction method	Attenuation correction method	
122715	Pharmacological Stress Agent Dose	Pharmacological Stress Agent Dose	
122716	Maximum Power Output Achieved	Maximum power output achieved during course of procedure	
122717	Peak activity workload	Peak physical activity intensity measurement during course of procedure	
122718	Peak Double Product	Peak Double Product measurement during course of procedure	
122720	OSEM algorithm	Ordered subsets expectation maximization reconstruction algorithm	
122721	Chang method	Chang attenuation correction method	
122726	Algorithmic attenuation correction	Attenuation correction not based on image-based attenuation maps	
122727	NM transmission attenuation correction	NM transmission attenuation correction	
122728	CT–based attenuation correction	CT–based attenuation correction	
122729	No Attenuation Correction	No attenuation correction	
122730	Bazett QTc Algorithm	Bazett QT Correction Algorithm; QT/(RR ^ 0.5); Bazett HC. "An analysis of the time-relations of electrocardiograms" *Heart* 7:353-370 (1920).	
122731	Hodges QTc Algorithm	Hodges QT Correction Algorithm; QT + 1.75 (heart rate-60); Hodges M, Salerno Q, Erlien D. “Bazett's QT correction reviewed. Evidence that a linear QT correction for heart rate is better.” *J Am Coll Cardiol* 1:694 (1983)	
122732	Fridericia QTc Algorithm	Fridericia QT Correction Algorithm; QT/(RR ^ 0.333); Fridericia LS. "The duration of systole in the electrocardiogram of normal subjects and of patients with heart disease" *Acta Med Scand* 53:469-486 (1920)	

122733	Framingham QTc Algorithm	Framingham QT Correction Algorithm; QT + 0.154 (1- RR); Sagie A, Larson MG, Goldberg RJ, *et al*. "An improved method for adjusting the QT interval for heart rate (the Framingham Heart Study)." *Am J Cardiol* 70:797-801(1992)	
122734	Borg RPE Scale	Borg Rating of Perceived Exertion Scale, range 6:20	
122735	Borg CR10 Scale	Borg category ratio scale, open ended range with nominal range 0:10	
122739	Overall study quality	Overall study quality	
122740	Excellent image quality	Excellent image quality	
122741	Good image quality	Good image quality	
122742	Poor image quality	Poor image quality	
122743	Body habitus attentuation	Image attenuation due to body physique (overweight)	
122744	Breast attenuation	Image attenuation due to breast tissue	
122745	Diaphragmatic attenuation	Image attenuation due to diaphragm	
122748	False positive defect finding	Finding of a defect (e.g., from automated analysis) is incorrect	
122750	Non-diagnostic - low heart rate	ECG is non-diagnostic due to low heart rate	
122751	Non-diagnostic - resting ST abnormalities	ECG is non-diagnostic due to resting ST abnormalities	
122752	Non-diagnostic - ventricular pacing or LBBB	ECG is non-diagnostic due to ventricular pacing or Left Bundle Branch Block	
122755	Strongly positive	Strongly positive finding	
122756	Strongly positive - ST elevation	Strongly positive finding - ST elevation	
122757	ST Depression – Horizontal	Finding of ST segment depression with no slope	
122758	ST Depression – Upsloping	Finding of ST segment depression with upslope	
122759	ST Depression – Downsloping	Finding of ST segment depression with downslope	
122760	Stress test score	Stress test score	
122762	Number of diseased vessel territories	Number of diseased vessel territories	
122764	Weight exceeds equipment limit	Patient weight exceeds equipment limit	

122768	Difference in Ejection Fraction	Difference in Ejection Fraction	
122769	Difference in ED LV Volume	Difference in End Diastolic Left Ventricular Volume	
122770	Ratio of achieved to predicted maximal oxygen consumption	Ratio of achieved to predicted maximal oxygen consumption	
122771	Ratio of achieved to predicted functional capacity	Ratio of achieved to predicted functional capacity	
122772	Aerobic index	Workload (Watts) at target heart rate divided by body weight	
122773	ST/HR Index	ST depression at peak exercise divided by the exercise-induced increase in heart rate [Kligfield P, Ameisen O, Okin PM. “Heart rate adjustment of ST segment depression for improved detection of coronary artery disease.” Circulation 1989;79:245-55.]	
122775	Agreement with prior findings	Agreement with prior findings	
122776	Disagreement with prior findings	Disagreement with prior findings	
122781	Rest thallium/stress technetium procedure	Nuclear Medicine Rest thallium/stress technetium procedure	
122782	Rest technetium/stress technetium 1 day procedure	Nuclear Medicine Rest technetium/stress technetium 1 day procedure	
122783	Rest technetium/stress technetium 2 day procedure	Nuclear Medicine Rest technetium/stress technetium 2 day procedure	
122784	Stress technetium/rest technetium 1 day procedure	Nuclear Medicine Stress technetium/rest technetium 1 day procedure	
122785	NM Myocardial Viability procedure	Nuclear Medicine Myocardial Viability procedure	
122791	PET Myocardial Perfusion, Rest only	Positron Emission Tomography Perfusion Imaging procedure, rest only	
122792	PET Myocardial Perfusion, Stress only	Positron Emission Tomography Perfusion Imaging procedure, stress only	
122793	PET Myocardial Perfusion, Rest and	Positron Emission Tomography Perfusion Imaging procedure,	

	Stress	rest and stress	
122795	PET Myocardial Viability, Rest only	Positron Emission Tomography Myocardial Viability procedure, rest only	
122796	PET Myocardial Viability, Stress only	Positron Emission Tomography Myocardial Viability procedure, stress only	
122797	PET Myocardial Viability, Rest and Stress	Positron Emission Tomography Myocardial Viability procedure, rest and stress	
122799	Anginal Equivalent	Group of symptoms heralding angina pectoris that does not include chest pain (dyspnea, diaphoresis, profuse vomiting in a diabetic patient, or arm or jaw pain).	
123001	Radiopharmaceutical	Active ingredient (molecular) used for radioactive tracing	
123003	Radiopharmaceutical Start Time	Time of radiopharmaceutical administration to the patient for imaging purposes	
123004	Radiopharmaceutical Stop Time	Ending time of radiopharmaceutical administration to the patient for imaging purposes	
123005	Radiopharmaceutical Volume	Volume of radiopharmaceutical administered to the patient	
123006	Radionuclide Total Dose	Total amount of radionuclide administered to the patient at Radiopharmaceutical Start Time	
123007	Radiopharmaceutical Specific Activity	Activity per unit mass of the radiopharmaceutical at Radiopharmaceutical Start Time	
123009	Radionuclide Syringe Counts	Pre-injection syringe acquisition count rate	
123010	Radionuclide Residual Syringe Counts	Syringe acquisition count rate following patient injection	
123011	Contrast/Bolus Agent	Contrast or bolus agent	
123012	Pre-Medication	Medication to be administered at the beginning of the Scheduled Procedure Step	
123014	Target Region	Anatomic Region to be imaged	
123015	Imaging Direction	Direction of imaging (includes view, transducer orientation, patient orientation, and/or projection)	
123016	Imaging Conditions	Imaging condition for refinement of protocol (includes secondary posture, instruction, X-ray /	

		electron beam energy or nuclide, and ultrasound modes), as used in JJ1017 v3.0	
123019	Caudal 10 degree distal-cranioproximal oblique	Caudal 10 degree distal-cranioproximal oblique radiographic projection, defined per Smallwood et al.	
123101	Neighborhood Analysis	Surface processing utilizing predefined weighting factors (i.e. kernels) applied to different data values depending on their location relative to other data values within the data domain. Includes Low Pass, High Pass, Gaussian, Laplacian, etc.	
123102	Adaptive Filtering	Surface processing applied non-uniformly utilizing a priori knowledge of the system and/or relative locations of the data values within the data domain. Example: Neighborhood analysis where weighting factors are modified continuously based on predefined criteria.	
123103	Edge Detection	Surface processing through the exploitation of discontinuities in the data values within their domain. Includes Gradient filters.	
123104	Morphological Operations	Surface processing based on the connectivity of values based on the shape or structure of the data values within their domain. Includes erode, dilate, etc.	
123105	Histogram Analysis	Surface processing applied to the distribution of the data values. Includes thresholding, Bayesian Classification, etc.	
123106	Multi-Scale/Resolution Filtering	Surface processing accomplished through varying the data domain size. Include deformable models.	
123107	Cluster Analysis	Surface processing accomplished by combining data values based on their relative location within their domain or value distribution. Includes K- and C-means, Fuzzy Analysis, Watershed, Seed Growing, etc.	
123108	Multispectral Processing	Surface processing accomplished through the weighted combination of multiple data sets. Includes Principle Component Analysis, linear and	

		non-linear weighed combinations, etc.	
123109	Manual Processing	Surface processing accomplished through human interaction. Region drawing	
123110	Artificial Intelligence	Surface processing using Artificial Intelligence techniques, such as Machine Learning, Neural Networks, etc.	
123111	Deformable Models	Surface processing using Deformable Model techniques, such as Point Distribution Models, Level Sets, Simplex Meshes, etc.	
125000	OB-GYN Ultrasound Procedure Report	Document Title of OB-GYN procedure report	
125001	Fetal Biometry Ratios	Report section for assessment of fetal growth using ratios and indexes	
125002	Fetal Biometry	Report section for assessment of fetal growth	
125003	Fetal Long Bones	Report section for assessment of fetal growth by long bone measurements	
125004	Fetal Cranium	Report section for assessment of fetal cranium growth	
125005	Biometry Group	Biometric assessment of	
125006	Biophysical Profile	Report section for assessment of biophysical observations that evaluate fetal well-being according to Manning, Antepartum Fetal Evaluation: Development of a Fetal Bbiophysical Profile Score, Am. J Obsetet Gynecol, 1980;136:787.	
125007	Measurement Group	A grouping of related measurements and calculations that share a common context	
125008	Fetus Summary	Report section for fetus specific prodedure summary observations	
125009	Early Gestation	Report section for assessment of early gestation fetus	
125010	Identifier	A name to differentiate between multiple instances of some item	
125011	Pelvis and Uterus	Report section for assessment of pelvis and uterus	
125012	Growth Percentile rank	The rank of a measured growth indicator relative to a normal	

		distribution expressed as a percentage.	
125013	Growth Z-score	The rank of a measured growth indicator relative to a normal distribution expressed as the dimensionless quantity z = (x-m)/s where (x-m) is the deviation of the value x, from from the distribution mean, m, and s is the standard deviation of the distribution.	
125021	Frame of Reference Identity	There is a defined equivalence between the Frame of Reference of the Registration SOP instance and the Frame of Reference of the referenced images.	
125022	Fiducial Alignment	The registration is based on fiducials that represent patient or specimen features identified in each data set.	
125023	Acquisition Equipment Alignment	Registration based on a-priori knowledge of the acquisition geometry. This is not an object registration as in fiducial registration. Rather, it specifies a known spatial relationship.	
125024	Image Content-based Alignment	Computed registration based on global image information	
125025	Visual Alignment	Registration by visually guided manipulation.	
125030	Inter-Hemispheric Plane	A plane fiducial that specifies the location of the plane separating the two hemispheres of the brain.	
125031	Right Hemisphere Most Anterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the anterior limit of the right brain hemisphere	
125032	Right Hemisphere Most Posterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the posterior limit of the right brain hemisphere	
125033	Right Hemisphere Most Superior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the superior limit of	

		the right brain hemisphere	
125034	Right Hemisphere Most Inferior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the inferior limit of the Right brain hemisphere	
125035	Left Hemisphere Most Anterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the anterior limit of the left brain hemisphere	
125036	Left Hemisphere Most Posterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the posterior limit of the left brain hemisphere	
125037	Left Hemisphere Most Superior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the superior limit of the left brain hemisphere	
125038	Left Hemisphere Most Inferior	A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the inferior limit of the left brain hemisphere	
125100	Vascular Ultrasound Procedure Report	Root Document Title for ultrasound vascular evidence reports (worksheets).	
125101	Vessel Branch	The particular vessel branch, such as the inferior, medial or lateral	
125102	Graft Type	A descriptor or elaboration of the type of graft	
125200	Adult Echocardiography Procedure Report	Document title of adult echocardiography procedure (evidence) report.	
125201	Illustration of Finding	An image that is a pictorial representation of findings. The concept is typically used as a purpose of reference to an image, such as a depiction of myocardium segments depicting wall motion function.	
125202	LV Wall Motion Score Index	The average of all scored (non-zero) Left Ventricle segment wall motion scores.	

125203	Acquisition Protocol	A type of clinical acquisition protocol for creating images or image-derived measurements. Acquisition protocols may be specific to a manufacturer's product.	
125204	Area-length biplane	Method for calculating left ventricular volume from two orthogonal views containing the true long axis (usually the apical 4 and 2 chamber views). Volume = $[\pi L_1/6]*[(4A_1)\div(\pi L_1)]*[(4A_2)\div(\pi L_2)]$	
125205	Area-Length Single Plane	Method for calculating left ventricular volume from a view containing the true long axis (usually the apical 4-chamber view). Volume = $[8(A)^2]\div[3\pi L]$	
125206	Cube	Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) that estimates the volume as the cube of diameter.	
125207	Method of Disks, Biplane	Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis and using a disk diameter averaged from the two chamber and four chamber views.	
125208	Method of Disks, Single Plane	Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis with disk diameter taken from the four-chamber view.	
125209	Teichholz	Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) Volume = $[7.0/(2.4+D)]*D^3$	
125210	Area by Pressure Half-Time	Mitral valve area (cm2) by Pressure Half-time = 220 (cm2.ms) / PHT (ms)	
125211	Biplane Ellipse	Area = Π/4 X d1 X d2 d1 = anterior/posterior axis d2 = medial/lateral axis *Hagen-Ansert, Sandra L., Textbook of Diagnostic Ultrasound, ed. 3, The C.V.Mosby Co., 1989, p. 73.*	
125212	Continuity Equation	For conduits in series ("in continuity"), volume flow is	

		equal: A1*V1 = A2*V2. where V is the velocity	
125213	Continuity Equation by Mean Velocity	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the mean velocity	
125214	Continuity Equation by Peak Velocity	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the peak velocity	
125215	Continuity Equation by Velocity Time Integral	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the velocity time integral	
125216	Proximal Isovelocity Surface Area	Utilizes aliasing velocity (by color Doppler) of flow into an orifice (often regurgitant or stenotic) to measure instantaneous flow rate, orifice area, and flow volume. The instantaneous flow rate = $(2 \pi r^2 v_{av}) * (\alpha / \pi)$ where v_{av} is the constant velocity known as aliasing velocity at radius r, v_p is the peak velocity at the orifice, and α is the angle in radians of the constant velocity surface. Estimated Orifice area = Flow rate / v_p, where v_p is the peak velocity at the orifice and the flow rate is the PISA peak flow rate. The volume flow is then the product of the orifice area and Velocity Time Integral	
125217	Full Bernoulli	$\Delta P = 4*(V1^2 - V2^2)$	
125218	Simplified Bernoulli	$\Delta P = 4*V2$	
125219	Doppler Volume Flow	Volume flow = Conduit CSA * (Velocity Time Integral)	
125220	Planimetry	Direct measurement of an area by tracing an irregular perimeter	
125221	Left Ventricle Mass by M-mode	Mass = 1.04 * $[(ST+LVID+PWT)^3-LVID^3] * 0.8+$ 0.6. Mass unit is grams and length in cm.	
125222	Left Ventricle Mass by Truncated Ellipse	Mass = $1.05 \Pi ((b + t)^2 X (2/3 (a + t) + d - d^3/3(a + t)^2) - b^2 (2/3a + d - d^3/3a^2))$ a = Semi-major axis from widest minor axis radius to apex. b = Short axis radius calculated	

		from short axis cavity area t = Myocardial thickness calculated from short axis epicardial and cavity areas d = Truncated semi-major axis from widest short axis diameter to plane of mitral annulus. Mass unit is grams and length in cm. *Schiller NB et al: Recommendations for quantification of the left ventricle by two-dimensional echocardiography, American Society of Echocardiography 2:364, 1989.*	
125223	4 Point Segment Finding Scale	A four point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	
125224	5 Point Segment Finding Scale	A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	
125225	5 Point Segment Finding Scale With Graded Hypokinesis	A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology, with severity of hypokinesis graded. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	
125226	Single Plane Ellipse	Method of estimating volume	

		from a planar ellipse. Equivalent to Biplane Ellipse with an assumption that the ellipse in the orthogonal plane has identical major and minor diameters.	
125230	*Power Doppler*	*Color coded ultrasound images of blood flow which depict the amplitude, or power, of Doppler signals.*	*Retired* *Replaced by (P0-02241, SRT, "Power Doppler")*
125231	*3D mode*	*Volumetric ultrasound imaging*	*Retired* *Replaced by (P0-02242, SRT, "3D mode")*
125233	Start of drug dose administration	Onset of administration of dose of a drug	
125234	Start of contrast agent administration	Onset of contrast agent administration	
125235	Destruction of microbubbles	Destruction of ultrasonic contrast microbubbles by a high-energy ultrasound pulse	
125236	Onset of exercise	Instant at which exercise begins	
125237	Cessation of exercise	Instant at which exercise ends	
125238	Onset of stimulation	Instant at which stimulation begins	
125239	Cessation of stimulation	Instant at which stimulation ends	
125240	Line scan pattern	Ultrasound transducer scan pattern in which information is gathered along a line	
125241	Plane scan pattern	Ultrasound transducer scan pattern in which information is gathered within a plane	
125242	Volume scan pattern	Ultrasound transducer scan pattern in which information is gathered within a volume	
125251	Non-imaging Doppler ultrasound transducer geometry	Ultrasound transducer geometry characterized by a single scan line used for PW or CW Doppler scanning	
125252	Linear ultrasound transducer geometry	Ultrasonic transducer geometry characterized by parallel lines	
125253	Curved linear ultrasound transducer geometry	Ultrasonic transducer geometry characterized by radial lines normal to the outside of a curved surface	
125254	Sector ultrasound transducer geometry	Ultrasonic transducer geometry characterized by lines originating from a common apex	
125255	Radial ultrasound transducer geometry	Ultrasonic transducer geometry characterized by lines eminating	

		radially from a single point	
125256	Ring ultrasound transducer geometry	Ultrasonic transducer geometry characterized by a circular ring of transducer elements	
125257	Fixed beam direction	Ultrasonic steering technique consisting of a single beam normal to the transducer face steered by the orientation of the probe	
125258	Mechanical beam steering	Ultrasonic steering technique consisting of mechanically directing the beam	
125259	Phased beam steering	Ultrasonic steering technique consisting of electronically-steered beams	
125261	External Transducer	Transducer is designed to be placed onto the surface of the subject	
125262	Transesophageal Transducer	Transducer is designed for insertion into the esophagus	
125263	Endovaginal Transducer	Transducer is designed for insertion into the vagina	
125264	Endorectal Transducer	Transducer is designed for insertion into the rectum	
125265	Intravascular Transducer	Transducer is designed for insertion via a catheter	
125901	CARDIOsphere	CARDIOsphereTM ultrasonic contrast agent produced by POINT Biomedical	
125902	Echovist	Echovist® ultrasonic contrast agent produced by Schering AG	
125903	Imagify	ImagifyTM ultrasonic contrast agent produced by Accusphere Inc.	
125904	Levovist	Levovist® ultrasonic contrast agent produced by Schering AG.	
125905	Sonazoid	SonazoidTM ultrasonic contrast agent produced by Daiichi Pharmaceutical / General Electric	
125906	SonoVue	SonoVueTM ultrasonic contrast agent produced by Bracco Diagnostics	
125907	Targestar-B	TargestarTM-B ultrasonic contrast agent produced by Targeson LLC	
125908	Targestar-P	TargestarTM-P ultrasonic contrast agent produced by	

		Targeson LLC	
ARCHIVE	Archive	Archive device	
AR	Autorefraction	Autorefraction device	
AS	*Angioscopy*	*Angioscopy device*	*Retired*
AU	Audio	Audio object	
BDUS	Ultrasound Bone Densitometry	Ultrasound Bone Densitometry (modality)	
BI	Biomagnetic imaging	Biomagnetic imaging device	
BMD	Bone Mineral Densitometry	Bone Mineral Densitometry by X-ray (modality), including dual-energy x-ray absorptiometry (DXA) and morphometric x-ray absorptiometry (MXA)	
CAD	Computer Assisted Detection/Diagnosis	Computer Assisted Detection/Diagnosis device	
CAPTURE	Image Capture	Image Capture Device, includes video capture	
CD	*Color flow Doppler*	*Color flow Doppler*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
CF	*Cinefluorography*	*Cinefluorography*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
COMP	Computation Server	Computation Server; includes radiotherapy planning	
CP	*Culposcopy*	*Culposcopy*	*Retired*
CR	Computed Radiography	Computed Radiography device	
CS	*Cystoscopy*	*Cystoscopy*	*Retired*
CT	Computed Tomography	Computed Tomography device	
DD	*Duplex Doppler*	*Duplex Doppler*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
DF	*Digital fluoroscopy*	*Digital fluoroscopy*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
DG	Diaphanography	Diaphanography device	
DM	*Digital microscopy*	*Digital microscopy*	*Retired*
DOCD	Document Digitizer Equipment	Equipment that digitized hardcopy documents and imported them.	
DS	*Digital Subtraction Angiography*	*Digital Subtraction Angiography*	*Retired* *Replaced by (XA, DCM, "X-Ray Angiography")*
DSS	Department System	Department System Scheduler,	

	Scheduler	workflow manager; includes RIS	
DX	Digital Radiography	Digital Radiography device	
EC	*Echocardiography*	*Echocardiography*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
ECG	Electrocardiography	Electrocardiography device	
EPS	Cardiac Electrophysiology	Cardiac Electrophysiology device	
ES	Endoscopy	Endoscopy device	
F	Female	Female sex	
FA	*Fluorescein angiography*	*Fluorescein angiography*	*Retired* *Replaced by (OP, DCM, "Ophthalmic photography")*
FC	Female changed to Male	Female sex changed to Male sex	
FILMD	Film Digitizer	Film Digitizer	
FP	Female Pseudohermaphrodite	Female Pseudohermaphrodite	
FS	*Fundoscopy*	*Fundoscopy*	*Retired*
GM	General Microscopy	General Microscopy device	
H	Hermaphrodite	Hermaphrodite	
HC	Hard Copy	Hard Copy	
HD	Hemodynamic Waveform	Hemodynamic Waveform acquisition device	
IO	Intra-oral Radiography	Intra-oral Radiography device	
IVUS	Intravascular Ultrasound	Intravascular Ultrasound device	
KER	Keratometry	Keratometry device	
KO	Key Object Selection	Key Object Selection object	
LEN	Lensometry	Lensometry device	
LOG	Procedure Logging	Procedure Logging device; includes cath lab logging	
LP	*Laparoscopy*	*Laparoscopy*	*Retired*
LS	Laser surface scan	Laser surface scan device	
M	Male	Male sex	
MA	*Magnetic resonance angiography*	*Magnetic resonance angiography*	*Retired* *Replaced by (MR, DCM, "Magnetic resonance")*
MC	Male changed to Female	Male sex changed to Female sex	
MCD	Media Creation Device	A device that creates DICOM PS 3.10 interchange media. For	

		example, a CD creator that is managed by the Media Creation Management Service Class.	
MEDIM	Portable Media Importer Equipment	Equipment that retrieved and imported objects from interchange Media.	
MG	Mammography	Mammography device	
MP	Male Pseudohermaphrodite	Male Pseudohermaphrodite	
MR	Magnetic Resonance	Magnetic Resonance device	
MS	*Magnetic resonance spectroscopy*	*Magnetic resonance spectroscopy*	*Retired* *Replaced by (MR, DCM, "Magnetic resonance")*
NM	Nuclear Medicine	Nuclear Medicine device	
OAM	Ophthalmic Axial Measurements	Measurements of the axial length of the eye which are done by various devices	
OCT	Optical Coherence Tomography	Modality device that uses an interferometric, non-invasive optical tomographic technique to image 2D slices and 3D volumes of tissue using visible and near visible frequencies.	
OP	Ophthalmic photography	Ophthalmic photography modality	
OPM	Ophthalmic Mapping	Modality device that measures corneal topography, corneal or retinal thickness, and other similar parameters that are typically displayed as maps.	
OPR	Ophthalmic Refraction	Modality device that measures the refractive characteristics of the eye.	
OPT	Ophthalmic Tomography	Tomography of the eye acquired by a modality that is based on light and optical principles. Tomography based on other principles, such as ultrasound, is excluded.	
OPV	Ophthalmic Visual Field	Modality device that measures visual fields and perform visual perimetry.	
OT	Other Modality	Other Modality device	
PR	Presentation State	Presentation State object	
PRINT	Hard Copy Print Server	Hard Copy Print Server; includes printers with embedded DICOM print server	
PT	Positron emission	Positron emission tomography	

	tomography	(PET) device	
PX	Panoramic X-Ray	Panoramic X-Ray device	
REG	Registration	Registration	
RF	Radiofluoroscopy	Radiofluoroscopy device	
RG	Radiographic imaging	Radiographic imaging (conventional film/screen)	
RT	Radiation Therapy Device	Radiation Therapy Device; includes linear accelerator, proton therapy	
RTDOSE	Radiotherapy Dose	Radiotherapy Dose	
RTIMAGE	Radiotherapy Image	Radiotherapy Imaging device; includes portal imaging	
RTPLAN	Radiotherapy Plan	Radiotherapy Plan	
RTRECORD	Radiotherapy Treatment Record	Radiotherapy Treatment Record	
RTSTRUCT	Radiotherapy Structure Set	Radiotherapy Structure Set	
SEG	Segmentation	Segmentation	
SM	Slide Microscopy	Slide Microscopy	
SMR	Stereometric Relationship	Stereometric image pairing modality	
SR	Structured Report Document	Structured Report Document	
SRF	Subjective Refraction	Subjective Refraction device	
ST	*Single-photon emission computed tomography*	*Single-photon emission computed tomography (SPECT) device*	*Retired* *Replaced by (NM, DCM, "Nuclear Medicine")*
TG	Thermography	Thermography device	
U	Unknown Sex	Unknown Sex	
US	Ultrasound	Ultrasound device	
VA	Visual Acuity	Visual Acuity device	
VF	*Videofluorography*	*Videofluorography*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
VIDD	Video Tape Digitizer Equipment	Equipment that digitizes video tape and imports it.	
WSD	Workstation	Workstation	
XA	X-Ray Angiography	X-Ray Angiography device	
XC	External-camera Photography	External-camera Photography device	
NEARLINE	Nearline	Instances need to be retrieved from relatively slow media such as optical disk or tape	
OFFLINE	Offline	Instances need to be retrieved	

		by manual intervention	
ONLINE	Online	Instances are immediately available	
UNAVAILABLE	Unavailable	Instances cannot be retrieved.	

Annex E French Translations of Selected Codes used in the DCMR (Normative)

This Annex defines the French language code meanings for selected codes used in the DCMR.

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
BI	3.0	II.AC.a	0 - Need additional imaging evaluation	0. L'évaluation nécessite des compléments d'imagerie
BI	3.0	II.AC.b.1	1 – Negative	1. Négatif
SRT		F-01781	1 o'clock position	Situé à 1 heure
SRT		F-0178A	10 o'clock position	Situé à 10 heures
SRT		F-0178B	11 o'clock position	Situé à 11 heures
SRT		F-0178C	12 o'clock position	Situé à 12 heures
BI	3.0	II.AC.b.2	2 – Benign Finding	2. Constatations bénignes
SRT		F-01782	2 o'clock position	Situé à 2 heures
BI	3.0	II.AC.b.3	3 - Probably Benign Finding – short interval follow-up	3. Anomalie probablement bénigne - proposition d'une surveillance à court terme
SRT		F-01783	3 o'clock position	Situé à 3 heures
BI	3.0	II.AC.b.4	4 - Suspicious abnormality, biopsy should be considered	4. Anomalie suspecte, une biopsie doit être envisagée
SRT		F-01784	4 o'clock position	Situé à 4 heures
BI	3.0	II.AC.b.5	5 - Highly suggestive of malignancy, take appropriate action	5. Haute probabilité de malignité, une action appropriée doit être entreprise
SRT		F-01785	5 o'clock position	Situé à 5 heures
SRT		F-01786	6 o'clock position	Situé à 6 heures
SRT		F-01787	7 o'clock position	Situé à 7 heures
SRT		F-01788	8 o'clock position	Situé à 8 heures
SRT		F-01789	9 o'clock position	Situé à 9 heures
DCM		112063	Abnormal calcifications	Calcifications anormales
DCM		112028	Abnormal Distribution of Anatomic Structure	Distribution anormale des structures anatomiques
DCM		112004	Abnormal interstitial pattern	Opacité interstitielle
DCM		112061	Abnormal lines (1D)	Lignes anormales (1D)
DCM		112062	Abnormal lucency	Clarté anormale
DCM		112033	Abnormal opacity	Opacité anormale
DCM		112064	Abnormal texture	Texture anormale Note : If the term refers to a localized lesion the translation is

				“Texture anormale “ but if the term refers to the entire lung it is more appropriate to use “Trame anormale”.
SRT		M-41610	Abscess	Abcès
DCM		112146	Acinar	Acinaire
DCM		112036	ACR Position Statement	Position de l'ACR
SRT		T-15420	Acromioclavicular Joint	Articulation acromioclaviculaire
SRT		T-12281	Acromion process of scapula	Acromion
SRT		G-A231	Acute	Aigu
DCM		121078	Addendum	Addendum
DCM		111135	Additional projections	Incidence complémentaire
SRT		M-82003	Adenoid cystic carcinoma	Carcinome adénoïde kystique (cylindrome)
SRT		M-83240	Adenolipoma	Adénolipome
SRT		M-81400	Adenoma	Adénome
SRT		M-89830	Adenomyoepithelioma	Adénomyoépithéliome
SRT		M-74200	Adenosis	Adénose
SRT		G-A127	Afferent	Afférent
DCM		112055	Agatston scoring method	Score de calcification cororaire par la méthode d’Agatston
DCM		112143	Air	Air
DCM		112070	Air bronchiologram	Bronchiologramme aérique
DCM		112071	Air bronchogram	Bronchogramme aérique
DCM		112072	Air crescent	Croissant aérique
DCM		112147	Air space	Espace aérique
DCM		112104	Air-fluid level	Niveau hydro-aérique
SRT		F-20240	Air-trapping	Piégeage
SRT		T-20001	Airway structure	Structure des voies aériennes
DCM		111001	Algorithm Name	Nom de l’algorithme
DCM		111002	Algorithm Parameters	Paramètres de l’algorithme
DCM		111003	Algorithm Version	Version de l’algorithme
DCM		111242	All algorithms succeeded; with findings	Tous les algorithmes ont réussi ; avec élément découvert
DCM		111241	All algorithms succeeded; without findings	Tous les algorithmes ont réussi ; sans élément découvert
SRT		F-01711	Almost entirely fat	Presque entièrement graisseux
SRT		G-A174	Along edge	Au bord
SRT		F-0176C	Amorphous calcification	Calcification amorphe
SRT		M-55160	Amyloid (tumor)	(Tumeur) amyloïde
DCM		111004	Analysis Performed	Analyse effectuée

DCM		112050	Anatomic Identifier	Identificateur anatomique
SRT		F-10326	anatomical	Anatomique
SRT		M-88610	Angiolipoma	Angiolipome
SRT		M-76100	Angiomatosis	Angiomatose
SRT		M-91203	Angiosarcoma	Angiosarcome (hémangiosarcome)
SRT		T-11307	Angle of rib	Angle de la côte
SRT		G-A105	Anterior	Antérieur
DCM		112088	Anterior junction line	Ligne médiastinale antérieure
SRT		T-28630	Anterior segment of left upper lobe	Segment antérieur du lobe supérieur gauche
SRT		T-28230	Anterior segment of right upper lobe	Segment antérieur du lobe supérieur droit
SRT		G-A180	Anterolateral	Antéro-latéral
DCM		111141	Any decision to biopsy should be based on clinical assessment	Une éventuelle décision de biopsie doit être basée sur l'évaluation clinique
SRT		T-42000	Aorta	Aorte
SRT		T-42300	Aortic arch	Crosse de l'aorte
SRT		T-42310	Aortic isthmus	Isthme aortique
DCM		112102	Aortic knob	Bouton aortique
SRT		T-35400	Aortic Valve	Valve aortique
SRT		G-A122	Apical	Apical
SRT		G-A122	Apical	Apical
SRT		M-84013	Apocrine adenocarcinoma	Carcinome apocrine
SRT		M-73310	Apocrine Metaplasia	Métaplasie apocrine
DCM		112103	Arch of the Azygos vein	Crosse de la veine Azygos
SRT		T-11511	Arch of vertebra	Arc vertébral
DCM		112079	Architectural distortion	Modification des rapports anatomiques
SRT		F-01795	Architectural distortion of breast	Distorsion architecturale du sein
SRT		G-A166	Area	Surface
SRT		G-A16A	Area of defined region	Surface de la région définie
DCM		121056	Area Outline	Tracé de la surface
DCM		111215	Artifact(s) other than grid or detector artifact	Artéfacts autres qu'artéfacts de grille ou du détecteur
SRT		T-42100	Ascending aorta	Aorte thoracique ascendante
DCM		111005	Assessment Category	Catégorie d'évaluation
DCM		112003	Associated Chest Component	Structure anatomique du thorax
SRT		F-01793	Asymmetric breast tissue	Tissu mammaire asymétrique
SRT		P5-B3412	Asymmetric breast tissue	Analyse de l'asymétrie du tissu

			analysis	mammaire
SRT		F-8A063	Asynchronous involution of breast	Involution asynchrone du sein
SRT		D4-31220	Atrial Septal Defect	Communication inter atriale
SRT		T-32100	Atrium	Atrium ou Oreillette
DCM		121089	Attending (syn. Consultant)	Consultant
DCM		112031	Attenuation Coefficient	Coefficient d'atténuation
SRT		M-72175	Atypical intraductal hyperplasia	Hyperplasie intracanalaire atypique
SRT		M-72105	Atypical lobular hyperplasia	Hyperplasie lobulaire atypique
SRT		G-A147	Axial	Axial
SRT		F-01794	Axilla position	Situation axillaire
BI	3.0	I.E.6	Axillary adenopathy	Adénopathie axillaire
SRT		T-47100	Axillary Artery	Artère axillaire
SRT		T-18774	Axillary Fascia	Fascia axillaire
DCM		111301	Axillary nodal metastases	Métastases ganglionnaires axillaire
DCM		111253	Axillary node hyperplasia	Hyperplasie dans ganglion axillaire
DCM		111252	Axillary node with calcifications	Ganglion axillaire avec calcifications
DCM		111300	Axillary node with lymphoma	Lympphome dans ganglion axillaire
SRT		R-102D1	Axillary Tail	Prolongement axillaire
SRT		F-0178E	Axillary tail position	Situé dans le prolongement axillaire du sein
SRT		T-49110	Axillary vein	Veine axillaire
DCM		112090	Azygoesophageal recess interface	Ligne para-azygo-oesophagienne
SRT		T-48340	Azygos vein	Grande veine Azygos
SRT		G-A123	Basal	Basal
DCM		111307	Basal cell carcinoma of the nipple	Carcinome basocellulaire du mamelon
DCM		121079	Baseline	Référence
DCM		112016	Baseline Category	Catégorie à T0
DCM		112154	Bat's wing distribution	No translation is provided Note: In France, the two concepts as described in Annex D 112154 and 112155 are not distinguished. For this reason both "Bat's wing" and "Butterfly distribution" are translated as "Aspect en aile de papillon".
SRT		A-32475	BB shot (Lead Pellet)	Marque de plomb (Grain de plomb)

DCM		112066	Beaded septum sign	Septa perlés
DCM		111256	Benign Calcifications	Calcifications bénignes
DCM		111255	Benign cyst with blood	Kyste bénin hémorragique
SRT		D7-F0810	Benign neoplasm of nipple of female breast (Nipple adenoma)	Adénomatose (papillomatose) érosive du mamelon
DCM		121080	Best illustration of finding	Meilleure illustration des résultats
DCM		112049	Best Overall Response	La meilleure réponse
SRT		G-A102	Bilateral	Bilatéral
DCM		111143	Biopsy should be considered	Une biopsie doit être envisagée
DCM		111148	Biopsy should be strongly considered	Une biopsie doit être absolument envisagée
DCM		111303	Blood vessel (vascular) invasion	Embole vasculaire
SRT		T-11220	Body of sternum	Corps du sternum
DCM		112007	Border definition	Définition des bords
DCM		112015	Border shape	Forme des bords
SRT		T-04080	Both breasts	Les deux seins
SRT		T-47160	Brachial artery	Artère brachiale
SRT		T-A9090	Brachial plexus	Plexus brachial
SRT		T-46010	Brachiocephalic trunk	Tronc artériel brachio-céphalique
SRT		T-48620	Brachiocephalic vein	Tronc veineux brachio-céphalique
SRT		T-04000	Breast	Sein
SRT		F-01710	Breast composition	Composition du sein (des seins)
SRT		P5-B3414	Breast composition analysis	Analyse de la composition du sein (des seins)
DCM		111100	Breast geometry	Morphologie du sein (des seins)
SRT		D7-90428	Breast lobular hyperplasia	Hyperplasie lobulaire mammaire
DCM		111007	Breast Outline including Pectoral Muscle Tissue	Limites du sein incluant le muscle pectoral
SRT		T-04000	Breast, NOS	Sein, SAI
SRT		R-40939	Bronchial	Bronchique
SRT		T-46310	Bronchial artery	Artère bronchique
DCM		112052	Bronchovascular	Broncho-vasculaire
SRT		T-26000	Bronchus	Bronche
SRT		A-32110	Bullet	Balle
DCM		112155	Butterfly distribution	Aspect en ailes de papillon
DCM		111017	CAD Processing and	Résumé du traitement et des

			Findings Summary	résultats du système de DAO[1]
SRT		F-01775	Calcification Cluster	Foyer de microcalcifications
DCM		112030	Calcification Descriptor	Descripteur des calcifications
DCM		111008	Calcification Distribution	Distribution des calcifications
DCM		112018	Calcification extent as percent of surface	% de surface calcifiée
DCM		112019	Calcification extent as percent of volume	% de volume calcifié
DCM		111009	Calcification Type	Type de calcification
SRT		F-01769	Calcified skin of breast	Calcification cutanée
SRT		F-0176A	Calcified suture material	Fils de suture calcifiés
DCM		112145	Calcium	Calcium
DCM		112058	Calcium score	Score de calcification
DCM		112034	Calculation Description	Description du calcul
SRT		G-A171	Capsular	Capsulaire
DCM		111304	Carcinoma in children	Carcinome de l'enfant
DCM		111305	Carcinoma in ectopic breast	Carcinome sur glande mammaire ectopique
DCM		111310	Carcinoma in pregnancy and lactation	Carcinome au cours de la grossesse et de la lactation
SRT		D7-F0902	Carcinoma in situ of male breast	Carcinome de l'homme
DCM		111306	Carcinoma with endocrine differentiation	Carcinome avec différenciation endocrine
SRT		M-85733	Carcinoma with metaplasia	Carcinome métaplasique
SRT		M-89803	Carcinosarcoma	Carcinosarcome
SRT		A-040CB	Cardiac pacemaker lead	Electrode de pace-maker cardiaque
SRT		T-25201	Carina	Carène
DCM		112086	Carina angle	Angle carinaire
SRT		T-B4000	Carotid Body	Corpuscule carotidien
DCM		111309	Cartilaginous and osseous change	Métaplasie cartilagineuse ou osseuse
SRT		A-26800	Catheter	Cathéter
SRT		G-A108	Caudal	Caudal
SRT		G-A108	Caudal	Caudal
SRT		G-A107	Caudal-cranial	Pieds-tête
SRT		R-10244	caudo-cranial (from below)	Face caudo-craniale
DCM		112017	Cavity extent as percent of volume	Taille de la cavité en % du volume

[1] DAO = Détection Assistée par Ordinateur

DCM		111203	CC Nipple not centered on image	Cranio-caudal: mamelon non centré sur l'image
DCM		111202	CC Not all medial tissue visualized	Cranio-caudal: le tissu interne n'est pas totalement visible
DCM		111204	CC Posterior nipple line does not measure within 1 cm of MLO	Cranio-caudal: longueur de la ligne rétroaréolaire sur la face plus courte de plus d'un centimètre que sur l'oblique
DCM		111010	Center	Centre
UCUM		cm	centimeter	Centimètre
SRT		G-A110	Central	Central
SRT		G-A110	Central	Central
DCM		112174	Central line	Cathéter central
SRT		F-0178F	Central portion of breast position	Situé dans la partie centrale du sein
DCM		112156	Centrilobular	Centro-lobulaire
DCM		112087	Centrilobular structures	Structures centro-lobulaires
SRT		G-A107	Cephalic	Céphalique
SRT		G-A107	Cephalic	Céphalique
DCM		111011	Certainty of Feature	Certitude concernant la caractéristique
DCM		111012	Certainty of Finding	Certitude concernant le résultat
DCM		111013	Certainty of Impression	Certitude concernant l'impression
SRT		A-12210	Cervical collar	Minerve
DCM		112000	Chest CAD Report	Compte-rendu de la DAO du thorax
DCM		112173	Chest tube	Drain thoracique
SRT		T-D3050	Chest wall	Paroi thoracique
SRT		M-92200	Chondroma	Chondrome
SRT		M-92203	Chondrosarcoma	Chondrosarcome
SRT		T-35020	Chordae tendineae cordis	Cordage
SRT		G-A270	Chronic	Chronique
SRT		M-02560	Circumference	Circonférence
DCM		112142	Circumscribed	Circonscrit
SRT		F-01741	Circumscribed lesion	Lésion circonscrite (bien définie ou à contour net)
SRT		T-12310	Clavicle	Clavicule
SRT		T-11219	Clavicular notch of sternum	Incisure claviculaire du sternum
SRT		R-102D2	Cleavage	Sillon inter-mammaire
SRT		A-12062	Clip	Clip
DCM		111014	Clockface or region	Quadrant ou région

DCM		112157	Coalescent	Confluent
SRT		F-01761	Coarse (popcorn-like) calcification	Grossière (en popcorn ou coralliforme)
DCM		112178	Coin	Pièce de monnaie
SRT		F-20172	Coin lesion	Lésion nodulaire
DCM		111195	Collimation too close to breast	Collimation trop proche du sein
SRT		A-10044	Collimator	Collimateur
SRT		M-85012	Comedocarcinoma (intraductal)	Carcinome intracanalaire de type comédo
SRT		T-45100	Common carotid artery	Artère carotide commune
DCM		111015	Composite Feature	Caractéristique composite
DCM		112023	Composite Feature Modifier	Modificateur lié à une anomalie à caractéristiques composites
DCM		111016	Composite type	Type composite
DCM		110004	Computer Aided Detection	Système de Détection Assistée par Ordinateur
DCM		110003	Computer Aided Diagnosis	Système de Diagnostic Assisté par Ordinateur
DCM		121077	Conclusion	Conclusion
DCM		121076	Conclusions	Conclusions
DCM		111018	Content Date	Date du contenu
DCM		111019	Content Time	Heure du contenu
SRT		C-B0300	Contrast agent NOS	Produit de contraste, SAI
SRT		T-12282	Coracoid process of scapula	Apophyse coracoïde
DCM		112105	Corona radiata	Couronne radiaire
SRT		G-A138	Coronal	Coronal
SRT		T-11240	Costal Cartilage	Cartilage costal
SRT		T-11308	Costal groove	Sillon de la côte
SRT		T-46180	Costocervical trunk	Tronc cervico-thoracique
SRT		G-A108	Cranial-caudal	Tête-pieds
SRT		G-A108	Cranio-caudal	Cranio-caudal
SRT		R-10242	cranio-caudal	Face
SRT		Y-X1770	cranio-caudal exaggerated laterally	Face exagérée externe
SRT		Y-X1771	cranio-caudal exaggerated medially	Face exagérée interne
LN		18747-6	CT Report	Compte rendu TDM
UCUM		cm3	Cubic centimeter	Centimètre cube
UCUM	1.4	dm3	Cubic decimeter	Décimètre cube
UCUM		um3	Cubic micrometer	Micromètre cube
UCUM		mm3	Cubic millimeter	Millimètre cube

SRT		F-10410	curled-up	En chien de fusil
DCM		121064	Current Procedure Descriptions	Description de la procédure en cours
DCM		112048	Current Response	Réponse actuelle
SRT		D7-90360	Cyst of breast	Kyste du sein
DCM		111147	Cytologic analysis	Analyse cytologique
DCM		111193	Date sticker is missing	L'étiquette de date est absente
UCUM	1.4	d	Day	Jour
SRT		F-01727	Decrease in number of calcifications	Diminution du nombre de calcifications
SRT		M-02530	Decrease in size	Diminution de taille
SRT		G-A140	Deep	Profond
SRT		T-13660	Deltoid muscle	Muscle deltoïde
DCM		112118	Density	Densité Note: Typically used with chest CT
SRT		F-01796	Mammography breast density	Opacité mammaire à la mammographie
DCM		112119	Dependent opacity	Opacité déclive
SRT		G-D785	Depth	Profondeur
DCM		111020	Depth	Profondeur
DCM		121401	Derivation	Méthode de calcul
SRT		T-D0765	Descending aorta	Aorte thoracique descendante
DCM		111021	Description of Change	Description des modifications
DCM		111022	Detection Performed	Détection effectuée
DCM		111214	Detector artifact(s)	Artéfacts du détecteur
DCM		111259	Diabetic fibrous mastopathy	Mastopathie diabétique
SRT		M-02550	Diameter	Diamètre
SRT		G-A198	Diameter of circumscribed circle	Diamètre du cercle circonscrit
SRT		T-D3400	Diaphragm	Diaphragme
DCM		110011	Dictation	
DCM		112166	Difference in border definition	Modification de la netteté des bords
DCM		112165	Difference in border shape	Modification de la forme des bords
DCM		112167	Difference in distribution	Modification de la distribution
SRT		F-017B3	Difference in location	Différence de localisation
SRT		F-017B7	Difference in margin	Différence de contours
SRT		F-017B5	Difference in number of calcifications	Différence du nombre de calcifications
SRT		F-017B2	Difference in opacity	Différence d'opacité
SRT		F-017B6	Difference in shape	Différence de forme

DCM		112168	Difference in site involvement	Modification du siège des lésions
SRT		F-017B1	Difference in size	Différence de taille
SRT		F-017B4	Difference in spatial proximity	Différence de proximité dans l'espace
SRT		F-017B8	Difference in symmetry	Différence de symétrie
DCM		112170	Difference in Texture	Modification de texture
DCM		112169	Difference in Type of Content	Modification du contenu
DCM		111023	Differential Diagnosis/Impression	Diagnostic différentiel/Impression
SRT		G-A321	Diffuse	Diffus
SRT		F-01770	Diffuse calcification distribution	Calcifications diffuses(disséminées)
SRT		M-020FA	Discoid	Discoïde
SRT		G-A324	Disseminated	Disséminé
SRT		G-A119	Distal	Distal
DCM		121206	Distance	
DCM		112138	Distinctly defined	Distincts les uns des autres
DCM		112006	Distribution Descriptor	Descripteur de la distribution
DCM		113011	Document Title Modifier	Modificateur du titre du document
SRT		G-A106	Dorsal	Dorsal
SRT		T-12287	Dorsal aspect of scapula	Corps de l'omoplate
SRT		T-461A0	Dorsal scapular artery	Artère scapulaire postérieure
DCM		111258	Ductal adenoma	Adénome ductal
SRT		M-72170	Ductal hyperplasia, Usual	Hyperplasie canalaire
SRT		P5-40060	mammary ductogram	Galactographie
SRT		F-01762	Dystrophic calcification	Dystrophique
SRT		D4-48014	Ectopic (accessory) breast tissue	Tissu mammaire ectopique (glande mammaire accessoire)
SRT		M-36300	Edema	Oedème
SRT		G-A174	Edge	Bord
SRT		G-A128	Efferent	Efférent
SRT		F-01763	Eggshell calcification	En coquille d'oeuf
DCM		111217	Electrical failure	Défaillance électrique
DCM		112134	Elliptic	Elliptique
SRT		A-25350	Endotracheal tube	Tube endotrachéal
SRT		R-40750	Enlarged	Augmenté de taille
SRT		M-33410	Epidermal inclusion cyst	Kyste épidermique
SRT		F-01752	Equal density (isodense) lesion	Lésion de densité identique (isodense)

SRT		F-10440	erect	Debout
SRT		T-14020	Erector spinae muscle	Muscles érecteurs du rachis
SRT		T-4630D	Esophageal artery	Artère oesophagienne
SRT		T-D3412	Esophageal Hiatus	Hiatus oesophagien
SRT		T-56000	Esophagus	Oesophage
SRT		R-10260	Estimated	Estimé
SRT		R-102CF	exaggerated cranio-caudal	Face exagérée
SRT		G-A112	External	Externe
SRT		R-40941	External	Externe
SRT		T-1416B	External intercostal muscle	Muscle intercostal externe
SRT		M-88211	Extra abdomenal desmoid	Tumeur desmoïde extraabdominale
SRT		G-A151	Extra-articular	Extra-articulaire
SRT		F-01714	Extremely dense	Très dense
DCM		112131	Extremely small	Extrêmement petit
DCM		111224	Failed	Echec
DCM		111024	Failed Analyses	Échec des analyses
DCM		111025	Failed Detections	Échec des détections
SRT		T-D0634	Fascial layer	Fascia
SRT		T-D008A	Fat	Graisse
SRT		F-01754	Fat containing (radiolucent) lesion	Lésion contenant de la graisse (radiotransparent)
SRT		D7-90434	Fat necrosis of breast	Cytostéatonécrose mammaire
DCM		111159	Feature detected on images from multiple modalities	Caractéristique détectée sur les images provenant de plusieurs modalités
DCM		111158	Feature detected on multiple images	Caractéristique détectée sur plusieurs images
DCM		111157	Feature detected on only one of the images	Caractéristique détectée sur une seule des images
DCM		111156	Feature detected on the only image	Caractéristique détectée sur la seule image
SRT		A-26430	Feeding tube	Sonde d'alimentation
DCM		F	female	Femme
DCM		111264	Fibroadenolipoma	Adénofibrolipome
SRT		M-90100	Fibroadenoma	Fibroadénome
DCM		111263	Fibroadenomatoid hyperplasia	Hyperplasie fibro-adénomatoïde
DCM		112163	Fibrocalcific	Fibrocalcique
SRT		D7-90310	Fibrocystic disease of breast	Dysplasie fibrokystique du sein
SRT		M-78800	Fibromatosis	Fibomatose

DCM		112148	Fibronodular	Fibro-nodulaire
SRT		M-88103	Fibrosarcoma	Fibrosarcome
DCM		112171	Fiducial mark	Point de repère
DCM		110010	Film	
DCM		121071	Finding	Résultat
SRT		F-01722	Finding partially removed	Exérèse partielle de l'élément
DCM		121070	Findings	Résultats
SRT		F-0176D	Fine, linear (casting) calcification	Calcification fine linéaire (vermiculaire)
SRT		F-0176E	Fine, linear, branching (casting) calcification	Calcification fine linéaire, arborisée (ramifiée)
SRT		T-D051D	Fissure of lung	Scissure
DCM		111191	Flash doesn't include cassette/screen/detector identification	Le marquage n'indique pas l'identifiant de cassette/écran/détecteur
DCM		111188	Flash doesn't include date of examination	Le marquage n'indique pas la date de l'examen
DCM		111189	Flash doesn't include facility name and location	Le marquage n'indique ni le nom de l'établissement ni son adresse
DCM		111192	Flash doesn't include mammography unit identification	Le marquage n'indique pas l'identifiant du mammographe
DCM		111187	Flash doesn't include patient name and additional patient id	Le marquage n'indique ni le nom du patient ni son identifiant.
DCM		111186	Flash is illegible, does not fit, or is lopsided	Le marquage est illisible, mal positionné ou de travers
DCM		111185	Flash is not near edge of film	Le marquage n'est pas au bord du film
DCM		112107	Fleischner's line(s)	Ligne(s) de Fleischner
DCM		112164	Flocculent	Floconneux
DCM		112149	Fluffy	Flou Note: the word-to-word translation of "Fluffy" is "Duveteux", but this term is never used. For tissues, the translation must be "Floconneux" but this term is only used for calcifications (Flocculent = Floconneux) in CID 6132. We retained "Flou" (in English, "Fuzzy") as the most appropriate.
SRT		G-A351	Focal	Localisé
SRT		F-01792	Focal asymmetric breast tissue	Asymétrie focale du tissu mammaire
SRT		P5-B3410	Focal asymmetric density analysis	Analyse de l'asymétrie de densité focale
SRT		M-78266	Focal fibrosis	Fibrose focale

DCM		111142	Follow-up at short interval (1-11 months)	Surveillance à court terme (1-11 mois)
DCM		113005	For Conference	Pour une conférence
DCM		113007	For Patient	Pour le patient
DCM		113008	For Peer Review	Pour relecture par un pair
DCM		113002	For Referring Provider	Pour le référent
DCM		113009	For Research	Pour la recherche
DCM		113003	For Surgery	Pour la chirurgie
DCM		113004	For Teaching	Pour l'enseignement
DCM		113006	For Therapy	Pour la thérapeutique
SRT		M-44140	Foreign body (reaction)	Réaction à corps étranger
SRT		M-30400	Foreign material (iodized oil, mercury, talc)	Corps étranger (lipiodol, mercure, talc)
SRT		F-10380	frog	Position de la grenouille
SRT		G-A138	Frontal	Frontal
SRT		D7-90364	Galactocele	Galactocèle
SRT		G-A366	Generalized	Généralisé
SRT		M-90160	Giant fibroadenoma	Adénofibrome géant
SRT		T-1228A	Glenoid cavity of scapula	Cavité glénoïde
SRT		M-83153	Glycogen-rich carcinoma	Carcinome riche en glycogène
SRT		M-95800	Granular cell tumor	Tumeur à cellules granuleuses
DCM		112128	Granular pattern	Aspect micronodulaire
DCM		111208	Grid artifact(s)	Artéfact(s) de grille
DCM		112120	Ground glass opacity	Opacité en verre dépoli
SRT		F-01772	Grouped calcification distribution	Calcification groupées (ou en foyer)
SRT		G-A169	Gutter	Gouttière
SRT		D7-90420	Gynecomastia	Gynécomastie
DCM		112073	Halo sign	Signe du halo
SRT		M-75500	Hamartoma	Hamartome
SRT		T-11301	Head of rib	Tête de le côte
SRT		T-32000	Heart	Coeur
SRT		A-04110	Heart valve prosthesis	Prothèse valvulaire
SRT		M-91200	Hemangioma	Hémangiome
SRT		D3-F0620	Hemangioma of subcutaneous tissue	Hémangiome des tissues sous-cutané
SRT		M-91220	Hemangioma – venous	Hémangiome veineux
SRT		M-91501	Hemangiopericytoma	Hémangiopéricytome
SRT		M-35060	Hematoma	Hématome
SRT		F-0176F	Heterogeneous calcification	Calcification punctiforme irrégulière (polymorphe, hétérogène)
SRT		F-01713	Heterogeneously dense	Dense et hétérogène

DCM		112095	Hiatus	Hiatus
SRT		F-01751	High density lesion	Lésion de forte densité
DCM		111149	Highly suggestive of malignancy – take appropriate action	Haute probabilité de malignité - une action appropriée doit être entreprise
SRT		G-A170	Hilar	Hilaire
SRT		T-28080	Hilum of lung	Hile pulmonaire
SRT		G-A170	Hilus	Hile
DCM		111145	Histology using core biopsy	Histologie par biopsie à l'aiguille
DCM		121060	History	Antécédents
SRT		M-96503	Hodgkin's disease (lymphoma)	Maladie de Hodgkin
DCM		112160	Homogeneous (uniform opacity)	Homogène (opacité uniforme)
DCM		112106	Honeycomb pattern	Aspect en rayon de miel
SRT		G-A142	Horizontal	Horizontal
SRT		G-A142	Horizontal	Horizontal
DCM		111026	Horizontal Pixel Spacing	Espacement horizontal des pixels
UCUM		h	hour	Heure
SRT		T-12410	Humerus	Humérus
DCM		112159	Hyper-acute	Suraigu
SRT		M-72000	Hyperplasia, usual	Hyperplasie simple
SRT		A-16016	ID Plate	Zone d'identification
SRT		T-14030	Iliocostalis muscle	Muscle ilio-costal
DCM		111027	Image Laterality	Latéralité de l'image
DCM		111028	Image Library	Bibliothèque d'images
DCM		110001	Image Processing	
DCM		111101	Image Quality	Qualité image
SRT		P5-B3408	Image quality analysis	Analyse de la qualité d'image
DCM		111029	Image Quality Rating	Score de qualité image
DCM		111030	Image Region	Région de l'image
DCM		111031	Image View	Incidence
DCM		111032	Image View Modifier	Modificateur de l'incidence
SRT		A-04010	Implant	Prothèse
SRT		R-102D5	Implant Displaced	Prothèse déplacée
SRT		F-0172B	Implant revised since previous mammogram	Prothèse révisée depuis la mammographie précédente
DCM		121073	Impression	Impression
DCM		111033	Impression Description	Description de l'impression
DCM		121072	Impressions	Impressions
DCM		111196	Inadequate compression	Compression inadéquate

DCM		111219	Inappropriate image processing	Défaillance du processus de traitement d'image
SRT		F-01726	Increase in number of calcifications	Augmentation du nombre de calcifications
SRT		M-02520	Increase in size	Augmentation de taille
SRT		F-01744	Indistinct lesion	Lésion indistincte
SRT		F-01776	Individual Calcification	Calcification isolée
DCM		111233	Individual Impression / Recommendation Analysis	Analyse de l'Impression / recommandation élémentaire
DCM		111034	Individual Impression/Recommendation	Impression élémentaire/Recommandation
SRT		D7-90452	Infarction of breast	Infarctus mammaire
SRT		G-A115	Inferior	Inférieur
SRT		T-116EF	Inferior articular facet of axis	Facette articulaire inférieure de l'axis
SRT		T-1153F	Inferior articular process of vertebra	Massif articulaire inférieur
SRT		T-46940	Inferior phrenic artery	Artère phrénique inférieure
SRT		T-48710	Inferior vena cava	Veine cave inférieure
DCM		112121	Infiltrate	Infiltrat
SRT		M-85003	Infiltrating duct carcinoma	Carcinome canalaire infiltrant
SRT		M-40000	Inflammation	Infection
SRT		M-85303	Inflammatory carcinoma	Carcinome inflammatoire
SRT		T-13620	Infraspinatus muscle	Muscle sous épineux
DCM		112161	Inhomogeneous	Hétérogène
SRT		G-A113	Inner	En dedans
SRT		T-14165	Innermost intercostal muscles	Muscles intercostaux intimes
DCM		111240	Institutionally defined quality control standard	Standards de contrôle de qualité définis par l'institution
DCM		111206	Insufficient implant displacement incorrect	Refoulement de la prothèse insuffisant
SRT		T-D305A	Intercostal artery	Artère intercostale
DCM		112082	Interface	Interface
SRT		G-A114	Intermediate	Intermédiaire
DCM		121085	Intern	Interne
SRT		G-A113	Internal	Interne
SRT		R-40819	Internal	Interne
SRT		T-14183	Internal intercostal muscle	Muscle intercostal interne
SRT		T-48170	Internal jugular vein	Veine jugulaire interne
SRT		T-46200	Internal thoracic artery	Artère thoracique interne

DCM		110005	Interpretation	
SRT		T-1A007	Interstitial tissue	Interstitium
SRT		T-32410	Interventricular septum	Septum interventriculaire
SRT		G-A15A	Intra-articular	Intra-articulaire
DCM		111315	Intracystic papillary carcinoma	Carcinome papillaire intrakystique
SRT		M-85040	Intracystic papilloma	Papillome intrakystique
SRT		M-85072	Intraductal carcinoma micro-papillary	Carcinome intracanalaire de type micropapillaire
DCM		111341	Intraductal carcinoma, high grade	Carcinome intracanalaire
DCM		111313	Intraductal carcinoma, low grade	Carcinome intracanalaire de bas grade
DCM		111312	Intraductal comedocarcinoma with necrosis	Carcinome intracanalaire de type comédo avec nécrose
SRT		M-85030	Intraductal papilloma	Papillome intragalactophorique
DCM		112108	Intralobular lines	Lignes intra-lobulaires
SRT		T-C4351	Intra-mammary lymph node	Ganglion intramammaire
DCM		111316	Invasive and in-situ carcinoma	Carcinome infiltrant et in situ
SRT		M-82013	Invasive cribriform carcinoma	Carcinome infiltrant cribriforme
SRT		M-85203	Invasive lobular carcinoma	Carcinome lobulaire infiltrant
SRT		F-10349	inverse Trendelenburg	Trendelenburg inversé
SRT		G-A402	Irregular	Irrégulière
SRT		A-1016B	J Wire	Hameçon
SRT		A-26434	Jejunostomy tube	Tube de jéjunostomie
SRT		A-61000	Jewelry	Bijoux
SRT		M-90300	Juvenile fibroadenoma	Fibroadénome juvénile
DCM		111277	Juvenille papillomatosis	Papillomatose juvénile
DCM		112109	Kerley A line	Ligne A de Kerley
DCM		112110	Kerley B line	Ligne B de Kerley
DCM		112111	Kerley C lines	Lignes C de Kerley
DCM		113012	Key Object Description	Description de l'objet clé
DCM		112175	Kidney stent	Stent rénal
SRT		F-10336	knee-chest	Genu pectoral
SRT		F-10330	kneeling	À genou [à genou]
SRT		M-82040	Lactating adenoma	Adénome lactant
DCM		111279	Lactational change	Lobule sécrétant
SRT		T-11514	Lamina of vertebra	Lame de la vertèbre
SRT		G-A405	Laminated	Lamellaire

SRT		R-404AA	Large	Gros
DCM		111281	Large duct papilloma	Papillome solitaire
SRT		F-01764	Large rod-like calcification	Calcification en bâtonnet
SRT		G-A104	Lateral	Externe
SRT		F-10318	lateral decubitus	Décubitus latéral
SRT		G-C171	Laterality	Latéralité
SRT		R-10228	latero-medial	Profil externe
SRT		R-10230	latero-medial oblique	Latéro-médial oblique
SRT		T-14172	Latissimus dorsi muscle	Muscle grand dorsal
SRT		G-A101	Left	Gauche
SRT		T-04030	Left breast	Sein gauche
SRT		G-A101	Left lateral	Latéral gauche
SRT		F-10319	left lateral decubitus	Décubitus latéral gauche
SRT		T-26500	Left main bronchus	Bronche principale gauche
SRT		M-88900	Leiomyoma	Léiomyome
SRT		M-88903	Leiomyosarcoma	Léiomyosarcome
SRT		G-A22A	Length	Longueur
DCM		111035	Lesion Density	Densité de la lésion
SRT		F-01728	Less defined	Moins bien défini
DCM		111318	Leukemic infiltration	Infiltration leucémique
SRT		T-14150	Levatores costarum muscles	Muscles élévateurs des côtes
SRT		T-42370	Ligamentum arteriosum	Ligament artériel
DCM		112083	Line	Ligne
DCM		112150	Linear	Linéaire
SRT		F-01771	Linear calcification distribution	Distribution linéaire des calcifications
SRT		M-83143	Lipid-rich (lipid-secreting) carcinoma	Carcinome à cellules lipidiques
SRT		M-88500	Lipoma of the breast	Lipome
SRT		M-88503	Liposarcoma	Liposarcome
SRT		F-10346	lithotomy	Lithotomie
DCM		112158	Lobar	Lobaire
SRT		T-28770	Lobe of lung	Lobe pulmonaire
SRT		G-A640	Lobular	Lobulée
SRT		D7-F0A02	Lobular carcinoma in situ of breast	Carcinome lobulaire in situ mammaire
DCM		112135	Lobulated	Lobulée
DCM		112013	Location in Chest	Localisation thoracique
SRT		G-A185	Long Axis	Grand axe
SRT		T-14040	Longissimus muscle	Muscle longissimus du thorax

SRT		G-A143	Longitudinal	Longitudinal
SRT		F-01753	Low density (not containing fat) lesion	Faible densité (sans contenu graisseux)
SRT		T-04003	Lower inner quadrant of breast	Quadrant inféro-interne du sein
SRT		T-04003	Lower inner quadrant of breast, NOS	Quadrant inféro-interne du sein, SAI
SRT		T-28830	Lower lobe of lung	Lobe pulmonaire inférieur
SRT		T-04005	Lower outer quadrant of breast	Quadrant inféro-externe du sein
SRT		T-04005	Lower outer quadrant of breast, NOS	Quadrant inféro-externe du sein, SAI
SRT		T-D320A	Lower zone of lung	Zone inférieure du poumon
DCM		112084	Lucency	Clarté
SRT		F-01766	Lucent-centered calcification	Calcification à centre clair
SRT		T-28000	Lung	Poumon
DCM		111320	Lympathic vessel invasion	Embole lymphatique
SRT		T-C4000	Lymph node	Ganglion lymphatique
SRT		M-95903	Lymphoma	Lymphome
SRT		R-102D6	Magnification	Agrandissement
SRT		R-102D6	Magnification views	Agrandissements
SRT		G-A193	Major Axis	Axe principal
DCM		M	male	Homme
SRT		M-88303	Malignant fibrous histiocytoma	Histiocytofibrome malin
DCM		111334	Malignant melanoma of nipple	Mélanome malin du mamelon
SRT		D7-90370	Mammary duct ectasia	Galactophorite ectasiante mammaire (ectasie canalaire mammaire)
SRT		F-01791	Mammographic breast mass	Masse du sein à la mammographie
DCM		111036	Mammography CAD Report	Compte rendu d'analyse mammographique par système de DAO
SRT		T-11211	Manubrium of sternum	Manubrium sternal
SRT		G-A177	Marginal	Marginal
DCM		111037	Margins	Contours
SRT		M-03000	Mass	Masse
DCM		112057	Mass scoring method	Appréciation de la charge calcique par la méthode du score de masse
DCM		112180	Maximum Attenuation Coefficient	Coefficient d'atténuation maximum

DCM		112181	Mean Attenuation Coefficient	Coefficient d'atténuation moyen
DCM		112051	Measurement of Response	Quantification de la réponse
DCM		111216	Mechanical failure	Défaillance mécanique
SRT		G-A109	Medial	Médial
SRT		G-A109	Median	Médian
DCM		112182	Median Attenuation Coefficient	Médiane des coefficients d'atténuation
SRT		T-D3300	Mediastinum	Médiastin
SRT		R-10224	medio-lateral	Profil interne
SRT		R-10226	medio-lateral oblique	Médiolatéral oblique
SRT		R-404A9	Medium	Moyen
SRT		M-85103	Medullary carcinoma	Carcinome médullaire
DCM		111333	Metastasis to an intramammary lymph node	Ganglion intramammaire métastatique
DCM		111323	Metastatic cancer to the breast	Cancer métastatique au sein
DCM		111324	Metastatic cancer to the breast from the colon	Métastase intramammaire d'un cancer colique
DCM		111325	Metastatic cancer to the breast from the lung	Métastase intramammaire d'un cancer pulmonaire
DCM		111327	Metastatic cancer to the breast from the ovary	Métastase intramammaire d'un cancer ovarien
DCM		111330	Metastatic disease to axillary node	Ganglion axillaire métastatique
DCM		111326	Metastatic melanoma to the breast	Métastase intramammaire d'un mélanome malin
DCM		111328	Metastatic sarcoma to the breast	Métastase intramammaire d'un sarcome
DCM		111284	Microglandular adenosis	Adénose microglandulaire
SRT		F-01742	Microlobulated lesion	Lésion microlobulée
UCUM		um	micrometer	Micromètre
DCM		112122	Micronodule	Micronodule
SRT		G-A109	Middle	Milieu
SRT		G-A109	Middle	Médian
SRT		T-28825	Middle lobe of lung	Lobe moyen du poumon
SRT		T-D3209	Middle zone of lung	Zone moyenne du poumon
DCM		112085	Midlung window	Fenêtre lobaire moyenne
SRT		R-404FA	Mild	faible
DCM		112129	Miliary pattern	Aspect miliaire
SRT		F-01765	Milk of calcium calcification	Lait calcique
UCUM		mm	millimeter	Millimètre

DCM		112179	Minimum Attenuation Coefficient	Coefficient d'atténuation minimum
SRT		G-A194	Minor Axis	Axe secondaire
UCUM		min	minute	Minute
SRT		T-35300	Mitral Valve	Valve atrio-ventriculaire gauche
DCM		111200	MLO Evidence of motion blur	Oblique externe : présence d'un flou cinétique
DCM		111201	MLO Inframammary fold is not open	Oblique externe : sillon sous-mammaire non visible
DCM		111197	MLO Insufficient pectoral muscle	Oblique externe : muscle pectoral insuffisamment visible
DCM		111198	MLO No fat is visualized posterior to fibroglandular tissues	Oblique externe : lame graisseuse rétroglandulaire non visualisée
DCM		111199	MLO Poor separation of deep and superficial breast tissues	Oblique externe : mauvaise séparation des tissus superficiels et profonds
SRT		G-A002	Moderate	Modéré
UCUM	1.4	mo	Month	Mois
SRT		F-01729	More defined	Mieux défini
DCM		112130	Mosaic pattern	Aspect en mosaïque
DCM		112080	Mosaic perfusion	Perfusion en mosaïque
DCM		111210	Motion blur	Flou cinétique
DCM		111210	Motion blur	Artefact de mouvement
LN		18755-9	MR Report	Compte rendu IRM
SRT		M-84803	Mucinous adenocarcinoma (Colloid carcinoma)	Carcinome (mucineux) colloïde
SRT		G-A443	Multifocal	Multifocal
DCM		111329	Multifocal intraductal carcinoma	Carcinome intracanalaire multifocal
DCM		111332	Multifocal invasive ductal carcinoma	Carcinome canalaire infiltrant multifocal
DCM		111285	Multiple Intraductal Papillomas	Papillomes multiples
SRT		R-420AE	Muscular	Musculaire
SRT		M-88250	Myofibroblastoma	Myofibroblastome
SRT		R-41727	Narrow	Etroit
SRT		T-11303	Neck of rib	Col de la côte
SRT		A-30360	Needle	Aiguille
DCM		111144	Needle localization and biopsy	Répérage métallique préopératoire et biopsie-exérèse
SRT		D0-F035F	Neoplasm of mammary skin	Tumeur de la peau mammaire

SRT		M-95400	Neurofibroma	Neurofibrome
SRT		M-95401	Neurofibromatosis	Neurofibromatose
SRT		F-01721	New finding	Nouvel élément
SRT		T-04100	Nipple	Mamelon
DCM		111297	Nipple Characteristic	Caractéristiques du mamelon
DCM		111205	Nipple not in profile	Le mamelon n'est pas de profil
SRT		D7-90554	Nipple retraction	Rétraction mamelonnaire
DCM		112177	Nipple ring	Cerclage mammelonnaire
DCM		111286	No abnormality	Pas d'anomalie
DCM		111245	No algorithms succeeded; without findings	Aucun algorithme n'a réussi ; sans élément découvert
DCM		111213	No image	Pas d'image
SRT		F-01723	No significant changes in the finding	Pas de modification significative de l'élément
DCM		110009	No subsequent Workitems	
SRT		R-403A7	Nodular	Nodulaire
DCM		112067	Nodular pattern	Aspect nodulaire
SRT		M-03010	Nodule	Nodule
SRT		M-95913	Non-Hodgkin's lymphoma	Lymphome non hodgkinien
DCM		111102	Non-lesion	Pas de lésion
DCM		112076	Non-Lesion at Baseline	Anomalie « non lésion » à T0
DCM		112037	Non-lesion Modifier	Modificateur lié à une « non lésion »
DCM		112075	Non-Target Lesion at Baseline	Lésion « non cible » à T0
DCM		112045	Non-Target Lesion Complete Response	Disparition des lésions « non cibles »
DCM		112046	Non-Target Lesion Incomplete Response or Stable Disease	Réponse partielle ou maladie stable sur lésions « non cibles »
DCM		112047	Non-Target Lesion Progressive Disease	Progression sur lésions « non cibles »
DCM		111251	Normal axillary node	Ganglion axillaire normal
DCM		111287	Normal breast tissue	Tissu mamaire normal
DCM		111140	Normal interval follow-up	Intervalle normal de surveillance
SRT		M-02000	Normal shape	Forme normale
DCM		111244	Not all algorithms succeeded; with findings	Certains algorithmes n'ont pas réussi ; avec élément découvert
DCM		111243	Not all algorithms succeeded; without findings	Certains algorithmes n'ont pas réussi ; sans élément découvert

DCM		111225	Not Attempted	Non traité
DCM		111152	Not for Presentation: Rendering device expected not to present	Pas de présentation
DCM		111038	Number of calcifications	Nombre de calcifications
DCM		121082	Nurse	Infirmière
DCM		111039	Object type	Type d'objet
SRT		G-A472	Oblique	Oblique
SRT		F-01743	Obscured lesion	Lésion masquée
DCM		111322	Occult carcinoma presenting with axillary lymph node metastases	Carcinome occulte révélé par des métastases axillaires
DCM		113000	Of Interest	Interressant
DCM		111290	Oil cyst (fat necrosis cyst)	Cytostéatonécrose kystisée
DCM		111138	Old films for comparison	Clichés antérieurs pour comparaison
DCM		112060	Oligemia	Oligémie
SRT		G-A103	One-sided	Situé d'un seul côté
DCM		112001	Opacity	Opacité Note: Typically used with projection chest X-ray
DCM		112027	Opacity Descriptor	Descripteur de l'opacité
SRT		A-00D7B	Opaque marker	Marqueur Opaque
DCM		112014	Orientation Descriptor	Descripteur de l'orientation
DCM		111040	Original Source	Source originelle
DCM		112053	Osseous	Osseux
DCM		112038	Osseous Modifier	Modificateur lié à une structure osseuse
SRT		F-12100	Ossification	Ossification
SRT		M-91803	Osteogenic sarcoma	Ostéosarcome
DCM		121102	Other sex	Autre sexe
DCM		111220	Other failure	Autre défaillance
DCM		111175	Other Marker	Autre marqueur
SRT		G-A112	Outer	En dehors
DCM		111041	Outline	Contours
DCM		111212	Over exposed	Sur-exposé
DCM		111234	Overall Impression / Recommendation Analysis	Analyse de l'Impression / ecommandation globale
SRT		M-02120	Ovoid shape (Oval)	Forme ovale (Ovale)
SRT		A-11101	Cardiac Pacemaker	Stimulateur cardiaque
SRT		A-10042	Compression paddle	Palette de compression
SRT		M-85403	Paget's disease,	Maladie de Paget du mamelon

			mammary (of the nipple)	
DCM		112176	Pancreatic stent	Stent pancréatique
SRT		M-80503	Papillary carcinoma (invasive)	Carcinome papillaire infiltrant
SRT		M-80502	Papillary carcinoma in-situ	Carcinome papillaire in-situ
SRT		M-80500	Papilloma	Papillome
DCM		112091	Paraspinal line	Ligne paravertébrale
DCM		112112	Parenchymal band	Bande parenchymateuse
DCM		111223	Partially Succeeded	Succès partiel
DCM		121055	Path	Tracé
DCM		121211	Path length	Longueur du tracé
DCM		111042	Pathology	Pathologie
DCM		111043	Patient Orientation Column	Colonne concernant l'orientation du patient
DCM		111044	Patient Orientation Row	Ligne concernant l'orientation du patient
SRT		T-D2236	Pectoral girdle	Ceinture pectorale
DCM		111045	Pectoral Muscle Outline	Contour du muscle pectoral
SRT		T-14110	Pectoralis major muscle	Muscle grand pectoral
SRT		T-14120	Pectoralis minor muscle	Muscle petit pectoral
SRT		T-11515	Pedicle of vertebra	Pédicule de la vertèbre
DCM		111046	Percent Glandular Tissue	Pourcentage de tissu glandulaire
DCM		112185	Performance of CT for Detection of Pulmonary Embolism in Adults	Le scanner dans les embolies pulmonaires de l'adulte, ACR
DCM		112186	Performance of High-Resolution CT of the Lungs in Adults	Le scanner thoracique haute résolution de l'adulte, ACR
DCM		112035	Performance of Pediatric and Adult Chest Radiography, ACR	Les radiographies thoraciques de l'enfant et de l'adulte, ACR
DCM		112184	Performance of Pediatric and Adult Thoracic CT	Le scanner thoracique de l'enfant et de l'adulte, ACR
DCM		121094	Performing	Réalisateur de l'examen
SRT		T-46210	Pericardiophrenic Artery	Artère péricardo-phrénique
SRT		G-A197	Perimeter	Périmètre
DCM		121057	Perimeter Outline	Délimitation du périmètre
SRT		G-A111	Peripheral	Périphérique
SRT		G-A111	Peripheral	Périphérique
DCM		111299	Peripheral duct papillomas	Papillomes périphériques
SRT		G-A195	Perpendicular Axis	Axe orthogonal
DCM		112123	Phantom tumor	Image pseudo-tumorale

			(pseudotumor)	
SRT		M-90201	Phyllodes tumor	Tumeur phyllode
SRT		M-90203	Phyllodes tumor, malignant	Sarcome phyllode (Cystosarcome phyllode malin)
DCM		121081	Physician	Médecin
SRT		A-12024	Pin	Epingle
SRT		M-97313	Plasmacytoma	Plasmocytome
SRT		D2-60302	Plate-like atelectasis	Atélectasie plane
SRT		M-89400	Pleomorphic adenoma	Adénome pléomorphe
DCM		112081	Pleonemia	Hypervascularisation
SRT		T-29000	Pleural structure	Plèvres
SRT		D2-81180	Pneumomediastinum	Pneumomédiastin
SRT		D2-80300	Pneumothorax	Pneumothorax
SRT		R-428E7	Poorly defined	Mal définies
DCM		112141	Poorly demarcated	Mal délimité
DCM		112172	Portacath	Chambre de perfusion implantable
DCM		112011	Positioner Primary Angle	Angle de positionnement primaire
DCM		112012	Positioner Secondary Angle	Angle de positionnement secondaire
DCM		111209	Positioning	Positionnement
DCM		111291	Post reduction mammoplasty	Mammoplastie après réduction
SRT		G-A120	Postaxial	Postaxial
SRT		G-A106	Posterior	Postérieur
SRT		G-A106	Posterior	Postérieur
DCM		112089	Posterior junction line	Ligne médiastinale postérieure
SRT		T-28220	Posterior segment of right upper lobe	Segment postérieur du lobe supérieur droit
DCM		112092	Posterior tracheal stripe	Bande trachéale postérieure
SRT		G-A182	Posterolateral	Postéro-latéral
SRT		G-A121	Preaxial	Pré-axial
DCM		111151	Presentation Optional: Rendering device may present	Présentation optionnelle
DCM		111150	Presentation Required: Rendering device is expected to present	Présentation requise
DCM		121069	Previous Finding	Résultat antérieur
DCM		121068	Previous Findings	Résultats antérieurs
DCM		112059	Primary complex	Complexe primaire
DCM		110008	Print	
DCM		121066	Prior Procedure	Description de la procédure

			Descriptions	précédente
DCM		111047	Probability of cancer	Probabilité de cancer
DCM		121065	Procedure Description	Description de la procédure
SRT		G-A140	Profundis	Profondeur
DCM		112151	Profusion	Profusion
SRT		F-10310	prone	Procubitus
SRT		A-04000	Prosthesis	Prothèse
SRT		G-A118	Proximal	Proximal
DCM		111292	Pseudoangiomatous stromal hyperplasia	Hyperplasie stromale pseudo-angiomateuse
DCM		112068	Pseudoplaque	Pseudo-plaque
SRT		T-44000	Pulmonary artery	Artère pulmonaire
SRT		D3-40230	Pulmonary embolism	Embolie pulmonaire
SRT		T-44100	Pulmonary trunk	Tronc artériel pulmonaire
SRT		T-48500	Pulmonary vein	Veine pulmonaire
SRT		F-01767	Punctate calcification	Calcification punctiforme régulière
DCM		111048	Quadrant location	Localisation du quadrant
DCM		111049	Qualitative Difference	Différence qualitative
DCM		111050	Quality Assessment	Évaluation de la qualité
DCM		110002	Quality Control	
DCM		111051	Quality Control Standard	Standard de contrôle de qualité
DCM		111052	Quality Finding	Critère de qualité
DCM		113010	Quality Issue	Problème de qualité
SRT		M-78731	Radial scar	Cicatrice radiaire
DCM		121084	Radiographer	Manipulateur (rice)
DCM		112005	Radiographic anatomy	Radio-anatomie
LN		11528-7	Radiology Report	Compte rendu radiologique
SRT		G-A196	Radius	Rayon
DCM		112022	RECIST	Critères d'évaluation de la réponse tumorale (tumeurs solides)
DCM		121075	Recommendation	Recommandation
DCM		121074	Recommendations	Recommandations
DCM		111053	Recommended Follow-up	Surveillance recommandée
DCM		111054	Recommended Follow-up Date	Date recommandée de surveillance
DCM		111055	Recommended Follow-up Interval	Intervalle recommandé de surveillance
DCM		121097	Recording	Qui fait le compte rendu
SRT		F-10450	recumbent	Couché

DCM		111338	Recurrent malignancy	Cancer récidivant
DCM		121095	Referring	Médecin référent
SRT		F-01773	Regional calcification distribution	Distribution régionale des calcifications
DCM		121087	Registrar	Secrétaire
DCM		113001	Rejected for Quality Reasons	Rejetées pour des motifs de qualité
SRT		F-0172A	Removal of implant since previous mammogram	Exérèse de la prothèse mammaire depuis la mammographie précédente
DCM		111056	Rendering Intent	Intention d'insertion
DCM		110007	Report Verification	
DCM		121062	Request	Demande
DCM		121096	Requesting	Médecin demandeur
DCM		121086	Resident	Résident
DCM		112020	Response Evaluation	Evaluation de la réponse
DCM		112021	Response Evaluation Method	Méthode d'évaluation de la réponse
DCM		112113	Reticular pattern	Aspect réticulaire
DCM		112065	Reticulonodular pattern	Aspect réticulo-nodulaire
SRT		T-11300	Rib	Côte
DCM		112096	Rib Scalene Tubercle	Tubercule scalénique de la première côte
SRT		G-A100	Right	Droit
SRT		G-A102	Right and left	Droit et gauche
SRT		T-04020	Right breast	Sein droit
SRT		G-A100	Right lateral	Latéral droit
SRT		F-10317	right lateral decubitus	Décubitus latéral droit
SRT		T-26100	Right main bronchus	Bronche principale droite
DCM		112093	Right tracheal stripe	Bande paratrachéale droite
SRT		R-102D3	Rolled Lateral	Roulé externe
SRT		R-102D4	Rolled Medial	Roulé interne
SRT		M-02100	Round shape	Ronde
SRT		F-01768	Round shaped calcification	Calcification ronde
SRT		G-A145	Sagittal	Sagittal
SRT		T-13450	Scalenous anterior muscle	Muscle scalène antérieur
SRT		T-12280	Scapula	Scapula
DCM		112101	Scapular Infraspinatus Fossa	Fosse sous épineuse
DCM		112099	Scapular Spine	Epine de l'omoplate
DCM		112100	Scapular Supraspinatus Fossa	Fosse sus épineuse

SRT		M-78060	Scar tissue	Tissu cicatriciel
SRT		F-01712	Scattered fibroglandular densities	Opacités fibro-glandulaires éparses
SRT		M-74220	Sclerosing adenosis	Adénose sclérosante
DCM		111057	Scope of Feature	Champ des caractéristiques
DCM		112054	Secondary pulmonary lobule	Lobule pulmonaire secondaire
SRT		M-85023	Secretory (juvenile) carcinoma of the breast	Carcinome mammaire sécrétoire (juvénile)
SRT		T-280D0	Segment of lung	Segment du poumon
SRT		G-A137	Segmental	Segmentaire
SRT		F-01774	Segmental calcification distribution	Segmentaires
DCM		111099	Selected region	Région sélectionnée
DCM		111058	Selected Region Description	Description de la région sélectionnée
SRT		F-10460	semi-erect	Semi-couché
SRT		F-10316	semi-prone	Semi-procubitus
DCM		112114	Septal line(s)	Ligne(s) septale(s)
DCM		112002	Series Instance UID	Identificateur unique d'instance de série
SRT		M-36050	Seroma	Lymphocèle
SRT		T-14140	Serratus anterior muscle	Muscle dentelé antérieur
SRT		G-A003	Severe	Sévère
SRT		G-C197	Severity	Gravité
DCM		112124	Shadow	Image
SRT		T-11309	Shaft of rib	Corps de la côte
SRT		M-020F9	Shape	Forme
DCM		112137	Sharply defined	A limites nettes
DCM		112140	Sharply demarcated	Très nettement délimité
SRT		G-A186	Short Axis	Petit axe
SRT		M-84903	Signet ring cell carcinoma	Carcinome à cellules en bague à chaton
DCM		112069	Signet-ring sign	Signe de la bague à châton
DCM		112152	Silhouette sign	Signe de la silhouette
DCM		111296	Silicone granuloma	Granulome au silicone
DCM		111059	Single Image Finding	Elément présent sur une seule image
DCM		112024	Single Image Finding Modifier	Modificateur lié à une anomalie visible sur une seule image
DCM		112008	Site involvement	Site atteint
SRT		F-103A0	sitting	Assis
DCM		112025	Size Descriptor	Descripteur de la taille

SRT		D0-00050	Skin lesion	Lésion cutanée
SRT		F-01799	Skin retraction of breast	Rétraction cutanée du sein
SRT		F-0179A	Skin thickening of breast	Épaississement cutané du sein
SRT		R-404A8	Small	Petit
DCM		112125	Small irregular opacities	Petites opacités irrégulières
DCM		112126	Small rounded opacities	Micro-nodules
DCM		112144	Soft tissue	Tissus mous
DCM		111218	Software failure	Défaillance logicielle
SRT		P5-B3402	Spatial collocation analysis	Analyse de colocalisation spatiale
SRT		P5-B3404	Spatial proximity analysis	Analyse de proximité spatiale
DCM		112136	Spiculated	Spiculée
SRT		F-01745	Spiculated lesion	Lésion spiculée
SRT		T-14050	Spinalis muscle	Muscles spinaux
SRT		M-78190	Spindle cell nodule (tumor)	Nodule (tumeur) à cellules fusiformes
SRT		T-11500	Spine	Rachis
SRT		T-11512	Spinous process of vertebra	Apophyse épineuse de la vertèbre
SRT		R-102D7	Spot Compression	Compression localisée
SRT		R-102D7	Spot compression	Compression localisée
DCM		111136	Spot magnification view(s)	Agrandissement localisé
SRT		M-80703	Squamous cell carcinoma	Carcinome épidermoïde
DCM		111340	Squamous cell carcinoma of the nipple	Carcinome épidermoïde du mamelon
UCUM		cm2	Square centimeter	Centimètre carré
UCUM		um2	Square micrometer	Micromètre carré
UCUM		mm2	Square millimeter	Millimètre carré
DCM		112183	Standard Deviation of Attenuation Coefficient	Ecart-type des coefficients d'atténuation
SRT		F-10320	standing	En position verticale
SRT		A-13600	Staple	Agrafe
SRT		T-11221	Sternal angle	Angle sternal
SRT		T-13310	Sternocleidomastoid muscle	Muscle sterno-cleïdo-mastoïdien
SRT		T-11210	Sternum	Sternum
SRT		F-10390	stooped-over	Penché en avant
DCM		112094	Stripe	Bande
DCM		111060	Study Date	Date de l'étude
DCM		111061	Study Time	Heure de l'étude
SRT		G-A561	Subacute	Subaigu

SRT		F-0178D	Subareolar position	Situation rétroaréolaire
SRT		G-A172	Subcapsular	Sous-capsulaire
SRT		T-46100	Subclavian artery	Artère subclavière
SRT		T-48330	Subclavian vein	Veine subclavière
SRT		T-14166	Subcostal muscle	Muscle subcostal
DCM		112153	Subpleural	Sous-pleural
DCM		112115	Subpleural line	Ligne sous-pleurale
DCM		112098	Subscapular Fossa	Fosse subscapulaire
SRT		T-13650	Subscapularis muscle	Muscle subscapulaire
DCM		111222	Succeeded	Succès
DCM		111062	Successful Analyses	Analyses réussies
DCM		111063	Successful Detections	Procédures de détection réussies
DCM		111146	Suggestive of malignancy – take appropriate action	Évocateur de malignité, une action appropriée doit être entreprise
DCM		111065	Summary of Analyses	Résumé des analyses
DCM		111064	Summary of Detections	Résumé des procédures de détections
SRT		G-A139	Superficial	Superficiel
SRT		G-A116	Superior	Supérieur
SRT		T-116EE	Superior articular facet of axis	Facette articulaire supérieure de l'axis
SRT		T-1153E	Superior articular process of vertebra	Massif articulaire supérieur
SRT		T-46350	Superior phrenic artery	Artère phrénique supérieure
SRT		T-48610	Superior vena cava	Veine cave supérieure
SRT		R-102D0	superolateral to inferomedial oblique	Supérolatéral vers inféromédial oblique
SRT		F-10340	supine	Décubitus
SRT		T-13610	Supraspinatus muscle	Muscle supraépineux
SRT		T-11218	Suprasternal notch	Creux sus-sternal
SRT		G-A168	Surface	Surface
SRT		A-13510	Suture material	Matériel de suture
SRT		G-A572	Systemic	Systémique
SRT		T-4000E	Systemic vascular structure	Structure vasculaire systémique
SRT		R-102C2	Tangential	Tangentiel
DCM		112162	Target	« cible »
DCM		111155	Target content items are related contra-laterally	Les items de contenu sont situés de façon controlatérale
DCM		111154	Target content items are related spatially	Les items de contenu sont reliés spatialement
DCM		111153	Target content items are	Les items de contenu sont

			related temporally	reliés temporellement
DCM		112074	Target Lesion at Baseline	Lésion « cible » à T0
DCM		112041	Target Lesion Complete Response	Réponse complète sur lésions « cibles »
DCM		112042	Target Lesion Partial Response	Réponse partielle sur lésions « cibles »
DCM		112043	Target Lesion Progressive Disease	Progression de la maladie sur lésions « cibles »
DCM		112044	Target Lesion Stable Disease	Maladie stable sur ésions « cibles»
DCM		111194	Technical factors missing	Paramètres techniques absents
DCM		121083	Technologist	Technicien
SRT		P5-B3406	Temporal correlation	Corrélation temporelle
SRT		T-13640	Teres major muscle	Muscle grand rond
SRT		T-13630	Teres minor muscle	Muscle petit rond
DCM		112010	Texture Descriptor	Descripteur de la texture
SRT		T-C6510	Thoracic Duct	Canal thoracique
DCM		112032	Threshold Attenuation Coefficient	Valeur de coefficient d’atténuation seuil
SRT		D3-87780	Thrombophlebitis of breast (Mondor’s disease)	Thrombophlébite du sein (maladie de Mondor)
SRT		T-C8000	Thymus Gland	Thymus
SRT		T-46130	Thyrocervical trunk	Tronc thyro-bicervico-scapulaire
SRT		T-B6000	Thyroid	Thyroïde
DCM		112133	Too small	Trop petit
SRT		T-32423	Trabeculae carnae	Piliers du ventricule
SRT		F-01798	Trabecular thickening of breast	Épaississement trabéculaire du sein
SRT		T-25000	Trachea	Trachée
SRT		P1-26100	Tracheotomy	Trachéotomie
DCM		112039	Tracking Identifier	Identifiant d’anomalie
DCM		112040	Tracking Unique Identifier	Identifiant unique d’anomalie
DCM		112116	Tramline shadow	Image en rail
DCM		110006	Transcription (task)	
DCM		110012	Transcription (type of output)	
SRT		G-A117	Transverse	Transverse
SRT		T-11513	Transverse process of vertebra	Apophyse transverse de la vertèbre
SRT		T-141A5	Transversus thoracis	Muscle transverse du thorax

SRT		T-14171	Trapezius muscle	Muscle trapèze
DCM		112127	Tree-in-bud sign	Signe de l'arbre en bourgeons
SRT		F-10348	Trendelenburg	Trendelenburg
SRT		T-35100	Tricuspid Valve	Valve atrioventriculaire droite
SRT		T-11304	Tubercle of rib	Tubercule de la côte
SRT		M-82113	Tubular adenocarcinoma	Carcinome tubuleux
SRT		M-82110	Tubular adenoma	Adénome tubuleux
SRT		F-01797	Tubular density	Opacité tubulaire
DCM		112117	Tubular shadow	Image tubulée
DCM		112009	Type of Content	Type de contenu
SRT		P5-B0099	Ultrasound procedure	Procédure échographique
LN		18760-9	Ultrasound Report	Compte rendu d'échographie
DCM		111211	Under exposed	Sous-exposé
SRT		G-A103	Unilateral	Unilatéral
SRT		G-A103	Unilateral	Unilatéral
DCM		111221	Unknown failure	Défaillance inconnue
DCM		111176	Unspecified	Non spécifié
DCM		112187	Unspecified method of calculation	Méthode de calcul non spécifiée
DCM		111235	Unusable — Quality renders image unusable	Inexploitable — La qualité rend l'image inexploitable
SRT		G-A116	Upper	En haut
SRT		T-D4001	Upper abdomen	Abdomen supérieur
SRT		T-04002	Upper inner quadrant of breast	Quadrant supéro-interne du sein
SRT		T-04002	Upper inner quadrant of breast, NOS	Quadrant supéro-interne du sein, SAI
SRT		T-28820	Upper lobe of lung	Lobe supérieur du poumon
SRT		T-04004	Upper outer quadrant of breast	Quadrant supéro-externe du sein
SRT		T-04004	Upper outer quadrant of breast, NOS	Quadrant supéro-externe du sein, SAI
SRT		D-3208	Upper zone of lung	Zone supérieure du poumon
SRT		A-11C08	Ureteric stent	Stent urétral
DCM		111236	Usable — Does not meet the quality control standard	Exploitable — Ne répond pas aux standards de contrôle de qualité
DCM		111237	Usable — Meets the quality control standard	Exploitable — Répond aux standards de contrôle de qualité
SRT		F-0176B	Vascular calcification	Calcification vasculaire
DCM		112077	Vasoconstriction	Vasoconstriction
DCM		112078	Vasodilation	Vasodilatation
SRT		A-14611	Vena cava filter	Filtre cave

SRT		G-A105	Ventral	Ventral
SRT		T-32400	Ventricle	Ventricule
DCM		121098	Verifying	Qui vérifie
SRT		T-11510	Vertebra	Vertèbre
SRT		T-45700	Vertebral artery	Artère vertébrale
SRT		T-1151F	Vertebral canal	Canal vertébral
SRT		T-11531	Vertebral foramen	Foramen intervertébral
DCM		112097	Vertebral Intervertebral Notch	Trou des apophyses transverses cervicales
SRT		G-A144	Vertical	Vertical
SRT		G-A144	Vertical	Vertical
DCM		111066	Vertical Pixel Spacing	Espacement vertical des pixels
DCM		112132	Very small	Très petit
DCM		111178	View and Laterality Marker does not have both view and laterality	Le marquage n'indique ni l'incidence ni le côté
DCM		111183	View and Laterality Marker is incorrect	Le marquage est incorrect
DCM		111177	View and Laterality Marker is missing	Marquage absent
DCM		111180	View and Laterality Marker is not near the axilla	Le marquage n'est pas près de l'aisselle
DCM		111184	View and Laterality Marker is off image	Le marquage est en dehors du film
DCM		111182	View and Laterality Marker is partially obscured	Le marquage est partiellement masqué
DCM		111181	View and Laterality Marker overlaps breast tissue	Le marquage chevauche le sein
DCM		111298	Virginal hyperplasia	Hypertrophie juvénile
SRT		G-D705	Volume	Volume
DCM		121216	Volume estimated from single 2D region	Volume estimé à partir d'une seule région 2D
DCM		121217	Volume estimated from three or more non-coplanar 2D regions	Volume estimé à partir de trois régions 2D non coplanaires ou plus
DCM		121218	Volume estimated from two non-coplanar 2D regions	Volume estimé à partir de deux régions 2D non coplanaires
DCM		121219	Volume of bounding three dimensional region	Volume d'une région tridimensionnelle de forme quelconque
DCM		121220	Volume of circumscribed sphere	Volume de la sphère circonscrite
DCM		121221	Volume of ellipsoid	Volume d'un éllipsoïde

DCM		121222	Volume of sphere	Volume d'une sphère
DCM		112056	Volume scoring method	Score de calcification coronaire basé sur le volume de chaque calcification
UCUM	1.4	wk	Week	Semaine
SRT		R-40771	Well defined	Bien définie
DCM		112139	Well demarcated	Bien délimité
DCM		112029	WHO	OMS
SRT		G-A220	Width	Largeur
DCM		112026	Width Descriptor	Descripteur de la largeur
SRT		T-11227	Xiphoid process of sternum	Appendice xiphoïde
UCUM	1.4	a	Year	Année

Note: In the translation of (113006, DCM, "For Therapy"), therapy could be translated as « thérapeutique » as well as « traitement ». There is an issue with the word « traitement » because it is the same word used for image processing. To avoid any ambiguity we have chosen the word « thérapeutique » which is less used in common language.

The following table provides a mapping of pathology codes used in DICOM, to ADICAP (L'association pour le Développement de l'Informatique en Anatomie et Cytologie Pathologiques).

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
SRT		M-55160	(Tumeur) amyloïde	5310
SRT		M-83240	Adénolipome	A0L2
DCM		111258	Adénome ductal	A0B2
SRT		M-82040	Adénome lactant	A0M2
SRT		M-89400	Adénome pléomorphe	A0R8
SRT		M-82110	Adénome tubuleux	A0P1
DCM		111250	Adénomyoépithéliome	A0A0
SRT		M-74200	Adénose	6772
DCM		111284	Adénose microglandulaire	6772
SRT		M-74220	Adénose sclérosante	6772
SRT		M-88610	Angiolipome	L0P1
SRT		M-76100	Angiomatose	V0C0
SRT		M-91203	Angiosarcome (hémangiosarcome)	V7A0
SRT		M-84803	Carcinome (mucineux) colloïde	A7N4
SRT		M-82003	Carcinome adénoïde kystique (cylindrome)	A7X6
SRT		M-84013	Carcinome apocrine	A7K6
DCM		111307	Carcinome basocellulaire du	B7A0

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
			mamelon	
SRT		M-85003	Carcinome canalaire infiltrant	A7A0
DCM		111340	Carcinome épidermoïde du mamelon	E7A0
DCM		111341	Carcinome intracanalaire	A5B2
SRT		D7-F0A02	Carcinome lobulaire in situ mammaire	A5B0
SRT		M-85203	Carcinome lobulaire infiltrant	A7B1
SRT		M-85023	Carcinome mammaire sécrétoire (juvénile)	A7N7
SRT		M-85103	Carcinome médullaire	A7X2
SRT		M-85733	Carcinome métaplasique	A7W0
SRT		M-80503	Carcinome papillaire infiltrant	A7C6
SRT		M-82113	Carcinome tubuleux	A7F0
SRT		M-92200	Chondrome	C0A0
SRT		M-92203	Chondrosarcome	C7A0
SRT		M-78731	Cicatrice radiaire	6773
SRT		D7-90434	Cytostéatonécrose mammaire	5230
SRT		M-78800	Fibomatose	F0F0
SRT		M-90100	Fibroadénome	A0P2
SRT		M-90300	Fibroadénome juvénile	A0P2
SRT		M-88103	Fibrosarcome	F7A0
SRT		D7-90370	Galactophorite ectasiante mammaire (ectasie canalaire mammaire)	6546
SRT		D7-90420	Gynécomastie	6551
SRT		M-75500	Hamartome	D0S0
SRT		M-91200	Hémangiome	V0A0
SRT		D3-F0620	Hémangiome sous-cutané non parenchymateux	V0A0
SRT		M-91220	Hémangiome veineux	VOA8
SRT		M-91501	Hémangiopéricytome	V0K0
SRT		M-72170	Hyperplasie canalaire	6712
SRT		M-72175	Hyperplasie intracanalaire atypique	6830
SRT		M-72105	Hyperplasie lobulaire atypique	6840
SRT		D7-90428	Hyperplasie lobulaire mammaire	6721
DCM		111298	Hypertrophie juvénile	6080
SRT		D7-90452	Infarctus mammaire	4710
SRT		M-40000	Infection	7140
SRT		D7-90360	Kyste du sein	6544

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
SRT		M-88900	Léiomyome	L0A0
SRT		M-88903	Léiomyosarcome	L7A0
SRT		M-88500	Lipome	L0L0
SRT		M-95913	Lymphome non hodgkinien	K7G0
SRT		M-96503	Maladie de Hodgkin	K7A0
SRT		M-85403	Maladie de Paget du mamelon	A7B7
DCM		111259	Mastopathie diabétique	5010
DCM		111334	Mélanome malin du mamelon	M7A0
SRT		M-95400	Neurofibrome	N0L0
SRT		M-91803	Ostéosarcome	Q7A0
SRT		M-80500	Papillome	A0P4 (unique), A0S4 (multiple)
SRT		M-97313	Plasmocytome	K7M0
SRT		M-44140	Réaction à corps étranger	7440
SRT		M-90203	Sarcome phyllode (Cystosarcome phyllode malin)	A7P6
SRT		M-95800	Tumeur à cellules granuleuses	X0H4
SRT		M-90201	Tumeur phyllode	A0P6

Annex F Japanese Translations of Selected Codes used in the DCMR (Normative)

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
BI	3.0	II.AC.a	0 - Need additional imaging evaluation	０ - 追加撮影が必要
BI	3.0	II.AC.b.1	1 – Negative	１ - 異常なし
SRT		F-01781	1 o'clock position	1時
SRT		F-0178A	10 o'clock position	１０時
SRT		F-0178B	11 o'clock position	１１時
SRT		F-0178C	12 o'clock position	１２時
BI	3.0	II.AC.b.2	2 – Benign Finding	２ - 良性所見
SRT		F-01782	2 o'clock position	2時
BI	3.0	II.AC.b.3	3 – Probably Benign Finding – short interval follow-up	３ - 良性– しかし悪性を否定できず所見– 短い間隔での経過観察が必要
SRT		F-01783	3 o'clock position	3時
BI	3.0	II.AC.b.4	4 – Suspicious abnormality, biopsy should be considered	４ - 悪性の疑い、生検を考慮
SRT		F-01784	4 o'clock position	4時
BI	3.0	II.AC.b.5	5 - Highly suggestive of malignancy, take appropriate action	５ - 悪性、適切な処置が必要
SRT		F-01785	5 o'clock position	5時
SRT		F-01786	6 o'clock position	６時
SRT		F-01787	7 o'clock position	７時
SRT		F-01788	8 o'clock position	８時
SRT		F-01789	9 o'clock position	９時
DCM		111135	Additional projections	追加撮影（Ｐ）
SRT		M-82003	Adenoid cystic carcinoma	嚢胞腺癌
SRT		M-83240	Adenolipoma	腺脂肪腫
SRT		M-89830	Adenomyoepithelioma	腺筋上皮腫

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		M-74200	Adenosis	腺症
DCM		111001	Algorithm Name	アルゴリズム 名
DCM		111002	Algorithm Parameters	アルゴリズム・パラメータ
DCM		111003	Algorithm Version	アルゴリズム・バージョン（版番号）
DCM		111242	All algorithms succeeded; with findings	全てのアルゴリズムが成功；所見あり
DCM		111241	All algorithms succeeded; without findings	全てのアルゴリズムが成功；所見なし
SRT		F-01711	Almost entirely fat	脂肪性
SRT		F-0176C	Amorphous calcification	淡く不明瞭な
SRT		M-55160	Amyloid (tumor)	アミロイド腫瘍
DCM		111004	Analysis Performed	解析済みの
SRT		M-88610	Angiolipoma	血管脂肪腫
SRT		M-76100	Angiomatosis	血管腫症
SRT		M-91203	Angiosarcoma	血管肉腫
SRT		G-A105	Anterior	前方の
DCM		111141	Any decision to biopsy should be based on clinical assessment	臨床評価に基づいた生検の適応決定（D）
SRT		M-84013	Apocrine adenocarcinoma	アポクリン癌
SRT		F-01795	Architectural distortion of breast	乳房の構築の乱れ
DCM		111215	Artifact(s) other than grid or detector artifact	検出器のアーチファクト以外のアーチファクト
DCM		111005	Assessment Category	カテゴリー評価
SRT		F-01793	Asymmetric breast tissue	非対称性乳房組織
SRT		P5-B3412	Asymmetric breast tissue analysis	非対称性乳房組織解析
SRT		F-8A063	Asynchronous involution of breast	乳房の非同期性退縮
SRT		M-72175	Atypical intraductal hyperplasia	異型性乳管過形成；異型性乳管内過形成

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
				管内過形成
SRT		M-72105	Atypical lobular hyperplasia	異型性小葉過形成
BI	3.0	I.E.6	Axillary adenopathy	腋窩リンパ節腫大
SRT		F-0178E	Axillary tail position	腋窩稜：乳腺の腋窩稜（C'領域）
DCM		111307	Basal cell carcinoma of the nipple	乳頭の基底細胞癌
SRT		A-32475	BB shot (Lead Pellet)	鉛小球；BBマーカー
DCM		111143	Biopsy should be considered	要生検（B）
SRT		T-04080	Both breasts	両側：両側乳房
SRT		F-01710	Breast composition	乳房の構成
SRT		P5-B3414	Breast composition analysis	乳房の構成の解析
DCM		111100	Breast geometry	乳房の形状
SRT		D7-90428	Breast lobular hyperplasia	小葉過形成：乳腺小葉過形成
DCM		111007	Breast Outline including Pectoral Muscle Tissue	胸筋組織を含む乳房の輪郭
SRT		A-32110	Bullet	マーカー
DCM		111017	CAD Processing and Findings Summary	CAD処理と所見の要約
SRT		F-01775	Calcification Cluster	石灰化の集簇
DCM		111008	Calcification Distribution	石灰化の分布
DCM		111009	Calcification Type	石灰化のタイプ
SRT		F-01769	Calcified skin of breast	皮膚；乳房の皮膚
DCM		111304	Carcinoma in children	小児乳癌
DCM		111305	Carcinoma in ectopic breast	副乳の乳癌
DCM		111310	Carcinoma in pregnancy and lactation	妊娠・授乳期乳癌
SRT		D7-F0902	Carcinoma in situ of male breast	男性乳癌
DCM		111306	Carcinoma with endocrine differentiation	内分泌分化を伴う癌
SRT		M-85733	Carcinoma with metaplasia	化生を伴う癌

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
			metaplasia	
SRT		A-26800	Catheter	カテーテル
DCM		111203	CC Nipple not centered on image	頭尾方向撮影 乳頭が画像の中央にない
DCM		111202	CC Not all medial tissue visualized	頭尾方向撮影 内側組織が十分見えていない
DCM		111204	CC Posterior nipple line does not measure within 1 cm of MLO	頭尾方向撮影 乳頭後方線が内外斜位方向の１ｃｍ以内に計測できない
DCM		111010	Center	中心部
SRT		F-0178F	Central portion of breast position	中央部：乳腺の中央部
DCM		111011	Certainty of Feature	特徴の確信度
DCM		111012	Certainty of Finding	所見の確信度
DCM		111013	Certainty of Impression	インプレッションの確信度
SRT		M-92200	Chondroma	軟骨腫
SRT		M-92203	Chondrosarcoma	軟骨肉腫
SRT		F-01741	Circumscribed lesion	境界明瞭平滑
SRT		A-12062	Clip	クリップ
DCM		111014	Clockface or region	時計表示あるいは領域
SRT		F-01761	Coarse (popcorn-like) calcification	粗大（ポップコーン状）
DCM		111195	Collimation too close to breast	コリメーションが乳房に近すぎる
SRT		A-1044	Collimator	コリメータ
DCM		111015	Composite Feature	乳房の構成の特徴
DCM		111016	Composite type	乳房の構成のタイプ
DCM		111018	Content Date	記録日
DCM		111019	Content Time	記録時間
SRT		C-B0300	Contrast agent NOS	造影剤
SRT		D7-90360	Cyst of breast	嚢胞：乳腺嚢胞

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111147	Cytologic analysis	細胞診（Ｙ）
DCM		111193	Date sticker is missing	日付けステッカーがない
UCUM	1.4	d	Day	日
SRT		F-01727	Decrease in number of calcifications	石灰化の数の減少
SRT		M-02530	Decrease in size	サイズの縮小
SRT		F-01796	Mammography breast density	乳房画像の濃度
DCM		111020	Depth	深さ（三次元表示の奥行き）
DCM		111021	Description of Change	変化の記載
DCM		111022	Detection Performed	検出済みの
DCM		111214	Detector artifact(s)	検出器のアーチファクト
DCM		111259	Diabetic fibrous mastopathy	糖尿病性乳腺症
SRT		F-017B3	Difference in location	部位
SRT		F-017B7	Difference in margin	辺縁
SRT		F-017B5	Difference in number of calcifications	石灰化の数
SRT		F-017B2	Difference in opacity	濃度
SRT		F-017B6	Difference in shape	形状
SRT		F-017B1	Difference in size	大きさ
SRT		F-017B4	Difference in spatial proximity	空間的近接判定
SRT		F-017B8	Difference in symmetry	対称性
DCM		111023	Differential Diagnosis/Impression	鑑別診断/インプレッション
SRT		F-01770	Diffuse calcification distribution	びまん性 / 散在性
DCM		111258	Ductal adenoma	乳管腺腫
SRT		M-72170	Ductal hyperplasia, Usual	乳管過形成；乳管内過形成
SRT		P5-40060	Mammary ductogram	乳房造影（Ｇ）
SRT		F-01762	Dystrophic calcification	異栄養性；異栄養性石灰化
SRT		F-01763	Eggshell calcification	卵殻状

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111217	Electrical failure	電気系の故障
SRT		F-01752	Equal density (isodense) lesion	等濃度
SRT		F-01714	Extremely dense	高濃度
DCM		111224	Failed	失敗
DCM		111024	Failed Analyses	解析の失敗
DCM		111025	Failed Detections	検出の失敗
SRT		F-01754	Fat containing (radiolucent) lesion	脂肪濃度を含む（X線透亮性）
SRT		D7-90434	Fat necrosis of breast	脂肪壊死：乳房の脂肪壊死
DCM		111159	Feature detected on images from multiple modalities	多数の検査法で検出される特徴
DCM		111158	Feature detected on multiple images	多数の画像で検出される特徴
DCM		111157	Feature detected on only one of the images	１画像でのみ検出される特徴
DCM		111156	Feature detected on the only image	画像のみで検出される特徴
SRT		M-90100	Fibroadenoma	線維腺腫
DCM		111263	Fibroadenomatoid hyperplasia	線維腺腫様過形成：腺線維筋腫様過形成
SRT		M-78800	Fibromatosis	線維腫症
SRT		M-88103	Fibrosarcoma	線維肉腫
DCM		111072	Finding partially removed	部分的に消失した所見
SRT		F-0176D	Fine, linear (casting) calcification	微細線状
SRT		F-0176E	Fine, linear, branching (casting) calcification	微細線状分枝状
DCM		111191	Flash doesn't include cassette/screen/detector identification	患者情報等欄にカセッテ / スクリーン/検出器名がない
DCM		111188	Flash doesn't include date of examination	患者情報等欄に検査日がない
DCM		111189	Flash doesn't include facility name and location	患者情報等欄に施設名と所在地がない
DCM		111192	Flash doesn't include mammography unit	患者情報等欄に乳房撮影装置

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
			mammography unit identification	名がない
DCM		111187	Flash doesn't include patient name and additional patient id	患者情報等欄に患者の氏名および追加情報がない
DCM		111190	Flash doesn't include technologist identification	患者情報等欄に技師名がない
DCM		111186	Flash is illegible, does not fit, or is lopsided	患者情報等欄が読みにくい、大きさがあっていない、あるいは傾いている
DCM		111185	Flash is not near edge of film	患者情報等欄がフィルムの端にない
SRT		F-01792	Focal asymmetric breast tissue	局所性非対称性乳房組織
SRT		P5-B3410	Focal asymmetric density analysis	局所性非対称性陰影
DCM		111142	Follow-up at short interval (1-11 months)	短期間での経過観察（１－１１ヶ月）（Ｆ）
SRT		M-44140	Foreign body (reaction)	異物反応
SRT		M-83153	Glycogen-rich carcinoma	グリコーゲンに富む癌
SRT		M-95800	Granular cell tumor	顆粒細胞腫
DCM		111208	Grid artifact(s)	グリッドのアーチファクト
SRT		F-01772	Grouped calcification distribution	集簇性
SRT		D7-90420	Gynecomastia	女性化乳房
SRT		M-75500	Hamartoma	過誤腫
SRT		M-91200	Hemangioma	血管腫
SRT		D3-F0620	Hemangioma of subcutaneous tissue	非実質性皮下組織血管腫
SRT		M-91220	Hemangioma – venous	静脈性血管腫
SRT		M-91501	Hemangiopericytoma	血管周皮腫
SRT		F-0176F	Heterogeneous calcification	不均一なあるいは多形性の
SRT		F-01713	Heterogeneously dense	不均一高濃度
SRT		F-01751	High density lesion	高濃度

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111145	Histology using core biopsy	コア針生検（H）
SRT		M-96503	Hodgkin's disease (lymphoma)	ホジキン病
DCM		111026	Horizontal Imager Pixel Spacing	水平方向ピクセル間隔
SRT		A-16016	ID Plate	IDプレート
DCM		111027	Image Laterality	画像の左右差
DCM		111028	Image Library	画像ライブラリ
DCM		111101	Image Quality	画像の品質
SRT		P5-B3408	Image quality analysis	画像の品質解析
DCM		111029	Image Quality Rating	画質のランク付
DCM		111030	Image Region	画像領域
DCM		111031	Image View	画像表示用符号変換系列
DCM		111032	Image View Modifier	画像表示用符号系列
SRT		A-04010	Implant	インプラント
SRT		F-0172B	Implant revised since previous mammogram	インプラントの修正
DCM		111033	Impression Description	インプレッションの記載
DCM		111196	Inadequate compression	圧迫不良
DCM		111219	Inappropriate image processing	現像機の故障
SRT		F-01726	Increase in number of calcifications	石灰化の数の増加
SRT		M-02520	Increase in size	サイズの増大
SRT		F-01744	Indistinct lesion	境界不明瞭
SRT		F-01776	Individual Calcification	個々の石灰化
DCM		111233	Individual Impression / Recommendation Analysis	個々のインプレッション / 推奨の解析
DCM		111034	Individual Impression/Recommendation	個々のインプレッション / 推奨
SRT		D7-90452	Infarction of breast	梗塞：乳腺の梗塞
SRT		M-40000	Inflammation	感染

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		M-85303	Inflammatory carcinoma	炎症性乳癌
DCM		111206	Insufficient implant displacement incorrect	インプラントの圧排不十分
DCM		111341	Intraductal carcinoma, high grade	非浸潤性乳管癌：ＤＣＩＳ
SRT		T-C4351	Intra-mammary lymph node	乳房内リンパ節
SRT		M-82013	Invasive cribriform carcinoma	浸潤性篩状癌
SRT		M-85003	Infiltrating duct carcinoma	浸潤性乳管癌
SRT		M-85203	Invasive lobular carcinoma	浸潤性小葉癌
SRT		G-A402	Irregular	不整形
SRT		A-1016B	J Wire	Jワイヤー
SRT		M-90300	Juvenile fibroadenoma	若年性線維腺腫
DCM		111277	Juvenille papillomatosis	若年性乳頭腫症
SRT		M-82040	Lactating adenoma	授乳性腺腫
SRT		F-01764	Large rod-like calcification	大きな桿状
SRT		T-04030	Left breast	左：左乳房
SRT		M-88900	Leiomyoma	平滑筋腫
SRT		M-88903	Leiomyosarcoma	平滑筋肉腫
DCM		111035	Lesion Density	病変の濃度
SRT		F-01728	Less defined	より不明瞭になってきた
DCM		111318	Leukemic infiltration	白血病浸潤
SRT		F-01771	Linear calcification distribution	線状
SRT		M-83143	Lipid-rich (lipid-secreting) carcinoma	脂肪に富む（脂質分泌）癌
SRT		M-88500	Lipoma of the breast	脂肪腫
SRT		G-A640	Lobular	分葉状
SRT		D7-F0A02	Lobular carcinoma in situ of breast	非浸潤性小葉癌：ＬＣＩＳ
SRT		F-01753	Low density (not containing fat) lesion	低濃度（脂肪を含まない）

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		T-04003	Lower inner quadrant of breast	内下部：乳房の内下部１／４（B領域）
SRT		T-04005	Lower outer quadrant of breast	外下部：乳房の外下部１／４（D領域）
SRT		F-01766	Lucent-centered calcification	中心透亮性
SRT		R-102D6	Magnification views	拡大撮影（M）
DCM		111334	Malignant melanoma of nipple	乳頭の悪性黒色腫
SRT		D7-90370	Mammary duct ectasia	乳管拡張症
SRT		F-01791	Mammographic breast mass	腫瘤
DCM		111036	Mammography CAD Report	マンモグラフィCADのレポート
DCM		111238	Mammography Quality Control Manual 1999, ACR	マンモグラフィ品質管理マニュアル1999,ACR
DCM		111037	Margins	辺縁
DCM		111216	Mechanical failure	機械の故障
SRT		M-85103	Medullary carcinoma	髄様癌
DCM		111284	Microglandular adenosis	微小腺管腺症
SRT		F-01742	Microlobulated lesion	微細分葉状
SRT		G-A109	Middle	中央の
SRT		F-01765	Milk of calcium calcification	石灰乳
DCM		111200	MLO Evidence of motion blur	内外斜位方向撮影 体動によるブレがある
DCM		111201	MLO Inframammary fold is not open	内外斜位方向撮影 乳房下溝が開いていない
DCM		111197	MLO Insufficient pectoral muscle	内外斜位方向撮影 胸筋の描出が不十分
DCM		111198	MLO No fat is visualized posterior to fibroglandular tissues	内外斜位方向撮影 乳腺後隙の脂肪が見られない
DCM		111199	MLO Poor separation of deep and superficial breast tissues	内外斜位方向撮影 乳房組織の深部および表在乳

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
				腺の分離が不良である
UCUM	1.4	mo	Month	月
SRT		F-01729	More defined	より明瞭になってきた
DCM		111210	Motion blur	患者の体動
SRT		M-84803	Mucinous adenocarcinoma (Colloid carcinoma)	粘液癌
DCM		111283	Myofibroblastoma	筋線維芽腫
DCM		111144	Needle localization and biopsy	針留置による位置決めと生検（Ｌ）
SRT		D0-F035F	Neoplasm of mammary skin	乳房皮膚の新生物
SRT		M-95400	Neurofibroma	神経線維腫
SRT		F-01721	New finding	新しい所見
SRT		T-04100	Nipple	乳頭
SRT		D7-90554	Nipple retraction	乳頭陥凹
DCM		111245	No algorithms succeeded; without findings	全てのアルゴリズムが失敗；所見なし
DCM		111213	No image	画像なし
SRT		F-01723	No significant changes in the finding	所見上、著変なし
SRT		M-95913	Non-Hodgkin’s lymphoma	非ホジキンリンパ腫
DCM		111102	Non-lesion	病変がない
DCM		111140	Normal interval follow-up	通常間隔での経過観察（Ｎ）
SRT		M-02000	Normal shape	正常乳頭
DCM		111244	Not all algorithms succeeded; with findings	全てのアルゴリズムが成功した訳ではない；所見あり
DCM		111243	Not all algorithms succeeded; without findings	全てのアルゴリズムが成功した訳ではない；所見なし
DCM		111225	Not Attempted	未施行
DCM		111152	Not for Presentation: Rendering device expected not to present	提示の必要なし：表示装置提示の必要なし

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111038	Number of calcifications	石灰化の数
DCM		111039	Object type	対象のタイプ
SRT		F-01743	Obscured lesion	評価困難
DCM		111322	Occult carcinoma presenting with axillary lymph node metastases	腋窩リンパ節転移を伴う潜伏癌
DCM		111138	Old films for comparison	比較のための以前のフィルム（O）
SRT		A-00D7B	Opaque marker	不透明マーカー
DCM		111040	Original Source	情報源
SRT		M-91803	Osteogenic sarcoma	骨肉腫
DCM		111220	Other failure	他の故障
DCM		111175	Other Marker	他のマーカー
DCM		111041	Outline	輪郭
DCM		111212	Over exposed	露光過多
DCM		111234	Overall Impression / Recommendation Analysis	全体のインプレッション / 推奨の解析
SRT		M-02120	Ovoid shape (Oval)	楕円形
SRT		A-11101	Cardiac Pacemaker	ペースメーカー
SRT		A-10042	Compression paddle	圧縮パドル
SRT		M-85403	Paget’s disease, mammary (of the nipple)	乳頭のパジェット病
SRT		M-80503	Papillary carcinoma (invasive)	浸潤性乳頭癌
SRT		M-80500	Papilloma	乳頭腫
DCM		111223	Partially Succeeded	部分的成功
DCM		111042	Pathology	病理
DCM		111043	Patient Orientation Column	患者情報　行
DCM		111044	Patient Orientation Row	患者情報　列
DCM		111045	Pectoral Muscle Outline	胸筋輪郭
DCM		111046	Percent Glandular Tissue	乳腺組織の割合（％）

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		M-90201	Phyllodes tumor	良性葉状腫瘍
SRT		M-90203	Phyllodes tumor, malignant	悪性葉状腫瘍
SRT		M-97313	Plasmacytoma	形質細胞腫
SRT		M-89400	Pleomorphic adenoma	混合腫瘍（多形腺腫）
DCM		111209	Positioning	ポジショニング
SRT		G-A106	Posterior	後方の
DCM		111151	Presentation Optional: Rendering device may present	提示はオプションである：表示装置の提示は自由
DCM		111150	Presentation Required: Rendering device is expected to present	提示が必要である：表示装置の提示必要
DCM		111047	Probability of cancer	癌の可能性
DCM		111292	Pseudoangiomatous stromal hyperplasia	偽血管腫様間質過形成
SRT		F-01767	Punctate calcification	点状
DCM		111048	Quadrant location	位置表示（四分の一円）
DCM		111049	Qualitative Difference	質的相違
DCM		111050	Quality Assessment	品質評価
DCM		111051	Quality Control Standard	品質管理の基準
DCM		111052	Quality Finding	品質に関する所見
SRT		M-78731	Radial scar	放射状硬化性病変（放射状瘢痕）
DCM		111053	Recommended Follow-up	経過観察の推奨
DCM		111054	Recommended Follow-up Date	推奨される経過観察日
DCM		111055	Recommended Follow-up Interval	推奨される経過観察間隔
SRT		F-01773	Regional calcification distribution	領域性
SRT		F-0172A	Removal of implant since previous mammogram	インプラントの除去
DCM		111056	Rendering Intent	結果表示するかどうか

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		T-04020	Right breast	右：右乳房
SRT		M-02100	Round shape	円形
SRT		M-78060	Scar tissue	瘢痕組織
SRT		F-01712	Scattered fibroglandular densities	乳腺散在
SRT		M-74220	Sclerosing adenosis	硬化性腺症
DCM		111057	Scope of Feature	特徴の範囲
SRT		M-85023	Secretory (juvenile) carcinoma of the breast	分泌癌（若年性癌）：分泌性乳癌（若年性乳癌）
SRT		F-01774	Segmental calcification distribution	区域性
DCM		111099	Selected region	選択された領域
DCM		111058	Selected Region Description	選択領域の記述
SRT		M-020F9	Shape	形状
DCM		111059	Single Image Finding	1画像の所見
SRT		D0-00050	Skin lesion	皮膚病変
SRT		F-01799	Skin retraction of breast	乳房の皮膚陥凹
SRT		F-0179A	Skin thickening of breast	乳房の皮膚肥厚
DCM		111218	Software failure	ソフトウエアの故障
SRT		P5-B3402	Spatial collocation analysis	空間的なデータ対応付け解析
SRT		P5-B3404	Spatial proximity analysis	空間的なデータ近接判定解析
SRT		F-01745	Spiculated lesion	スピキュラを伴う
SRT		R-102D7	Spot compression	スポット圧迫撮影（S）
DCM		111136	Spot magnification view(s)	拡大スポット撮影（V）
DCM		111340	Squamous cell carcinoma of the nipple	乳頭の扁平上皮癌
SRT		A-13600	Staple	ステープル
DCM		111060	Study Date	検査日
DCM		111061	Study Time	検査時刻

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SRT		F-0178D	Subareolar position	乳輪下
DCM		111222	Succeeded	成功
DCM		111062	Successful Analyses	解析の成功
DCM		111063	Successful Detections	検出の成功
DCM		111146	Suggestive of malignancy – take appropriate action	悪性– 適切な処置が必要（Ｔ）
DCM		111065	Summary of Analyses	解析の要約
DCM		111064	Summary of Detections	検出の要約
SRT		A-13510	Suture material	縫合；縫合材料
DCM		111155	Target content items are related contra-laterally	Target content itemsは対側のそれらに関連している
DCM		111154	Target content items are related spatially	Target content itemsは空間的に関連している
DCM		111153	Target content items are related temporally	Target content itemsは時間的に関連している
DCM		111194	Technical factors missing	撮影条件がない
SRT		P5-B3406	Temporal correlation	経時的相関
SRT		F-01798	Trabecular thickening of breast	乳房の梁柱の肥厚
SRT		M-82113	Tubular adenocarcinoma	管状癌
SRT		M-82110	Tubular adenoma	管状腺腫
SRT		F-01797	Tubular density	管状影
SRT		P5-B0099	Ultrasound procedure	超音波検査手技（Ｕ）
DCM		111211	Under exposed	露光不足
DCM		111221	Unknown failure	原因不詳の故障
DCM		111176	Unspecified	非特定の物質
DCM		111235	Unusable — Quality renders image unusable	使用不可– 画像構成の品質は使用不可である
SRT		T-04002	Upper inner quadrant of breast	内上部：乳房の内上部１／４（Ａ領域）

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
				（A領域）
SRT		T-04004	Upper outer quadrant of breast	外上部：乳房の外上部１／４（C領域）
DCM		111236	Usable — Does not meet the quality control standard	使用可– 品質管理の基準に達していない
DCM		111237	Usable — Meets the quality control standard	使用可– 品質管理の基準に達している
SRT		F-0176B	Vascular calcification	血管
DCM		111066	Vertical Pixel Spacing	垂直方向のピクセル間隔
DCM		111179	View and Laterality Marker does not have approved codes	鉛マーカーはFDAのコードがない
DCM		111178	View and Laterality Marker does not have both view and laterality	鉛マーカーは撮影方向と左右の表示がない
DCM		111183	View and Laterality Marker is incorrect	鉛マーカーは正しい位置にない
DCM		111177	View and Laterality Marker is missing	鉛マーカーがみられない
DCM		111180	View and Laterality Marker is not near the axilla	鉛マーカーは腋窩の近くにない
DCM		111184	View and Laterality Marker is off image	鉛マーカーがフィルム外である
DCM		111182	View and Laterality Marker is partially obscured	鉛マーカーは一部覆い隠されている
DCM		111298	Virginal hyperplasia	若年性過形成
UCUM	1.4	wk	Week	週
UCUM	1.4	a	Year	年

Annex G English Code Meanings of Selected Codes (Normative)

Coding Scheme Designator (0008,0102)	Coding Scheme Version	Code Value (0008,0100)	Code Meaning (0008,0104)
UCUM		1	unary
			no units
			ratio
SRT		C-10520	Carbon dioxide, NOS
			Carbon dioxide gas
SRT		C-21005	Ethanol
			Ethyl alcohol
SRT		C-81100	Hypotensive agent, NOS
			Antihypertensive agent, NOS
			Antihypertensive drug, NOS
SRT		C-A7400	Thrombolytic agent, NOS
			Fibrinolytic agent, NOS
SRT		C-A7440	Injectable fibrinolysin
			Injectable plasmin
SRT		C-B0300	Contrast agent, NOS
			Radiographic contrast agent, NOS
SRT		C-B1091	Iodohippurate I^131^ sodium
			Iodine^131^ hippuran
SRT		C-B1109	Iodine^131^ polyvinylpyrrolidone
			Iodine^131^ PVP
SRT		C-B1225	Technetium Tc^99^ N-substituted iminodiacetate
			Tc^99^ labeled HIDA
SRT		D3-40208	Congenital pulmonary arteriovenous fistula
			Congenital coronary artery fistula to pulmonary artery
SRT		D4-33142	Pulmonary artery conduit
			Congenital pulmonary artery conduit
SRT		D4-33512	Pulmonary vein confluence
			Congenital pulmonary vein confluence
SRT		D4-33514	Pulmonary venous atrium
			Congenital pulmonary venous atrium
SRT		D4-33516	Systemic venous atrium
			Congenital systemic venous atrium
SRT		R-10206	Antero-posterior
			AP
SRT		R-10214	Postero-anterior

			PA
SRT		R-10246	Oblique axial
			Oblique caudo-cranial
			Oblique cranio-caudal
			Oblique transaxial
			Off-axial
			Off-axial projection
SRT		R-10224	Medial-lateral
			Medio-lateral
SRT		R-10230	Lateral-medial
			Latero-medial
SRT		R-10232	Right lateral projection
			Left to right beam projection
SRT		R-10236	Left lateral projection
			Right to left beam projection
SRT		R-10242	caudad
			caudal projection
			cranio-caudal projection
SRT		R-10244	cephalad
			cranial projection
			caudo-cranial projection
			from below
SRT		R-4087B	transforamenal
			optic foramen projection
SRT		G-A100	Right
			Right lateral
SRT		G-A101	Left
			Left lateral
SRT		G-A102	Bilateral
			Right and left
SRT		G-A103	Unilateral
			One-sided
SRT		G-A105	Anterior
			Ventral
SRT		G-A106	Posterior
			Dorsal
SRT		G-A107	Cephalic
			Cephalad
			Rostral
			Cranial
SRT		G-A108	Caudal
			Caudad

SRT		G-A109	Medial
			Median
			Middle
SRT		G-A10A	Mediolateral
			Midline
SRT		G-A112	External
			Outer
SRT		G-A113	Internal
			Inner
SRT		G-A115	Inferior
			Lower
SRT		G-A116	Superior
			Upper
SRT		G-A138	Coronal
			Frontal
SRT		G-A140	Deep
			Profundis
SRT		R-102CD	Sagittal Projection
			Lateral Projection
SRT		G-4022	Contact with
			Direct contact
SRT		G-A170	Hilar
			Hilus
SRT		G-A174	Edge
			Along edge
SRT		G-D105	Intracutaneous route
			Intradermal route
SRT		G-D140	Oral route
			Peroral route
SRT		G-D164	Vaginal route
			Per vagina
SRT		P1-05535	Catheterization
			Insertion of catheter
SRT		P1-30350	Atherectomy, NOS
			Removal of atherosclerotic plaque from artery, NOS
SRT		T-15460	Wrist joint, NOS
			Joint of Wrist, NOS
SRT		T-32000	Endo-cardiac
			Intra-cardiac
SRT		T-41000	Endo-arterial
			Intra-arterial
SRT		T-46010	Innominate artery

			Brachiocephalic artery
			Brachiocephalic trunk
SRT		T-48170	Internal jugular vein
			Vena jugularis interna
SRT		T-48620	Innominate vein
			Brachiocephalic vein
SRT		T-48810	Portal vein
			Vena portae
SRT		T-D4450	Omental bursa
			Lesser peritoneal sac
LN		33068-8	Thoracic Area
			FTA
LN		33070-4	Inner Orbital Diameter
			IOD
LN		11727-5	Estimated Weight
			EFW
LN		11948-7	Fetal Heart Rate
			HR
LN		11778-8	Estimated Date of Delivery
			EDD
LN		11955-2	Last Menstrual Period
			LMP
LN		11979-2	Abdominal Circumference
			AC
LN		11818-2	Anterior-Posterior Abdominal Diameter
			APAD
LN		11820-8	Biparietal Diameter
			BPD
LN		11824-0	BPD area corrected
			BPDa
LN		11963-6	Femur Length
			FL
LN		11984-2	Head Circumference
			HC
LN		11851-3	Occipital-Frontal Diameter
			OFD
LN		11988-3	Thoracic Circumference
			TC
LN		11862-0	Tranverse Abdominal Diameter
			TAD
LN		11863-8	Trans Cerebellar Diameter
			TCD

LN		11864-6	Transverse Thoracic Diameter
			TTD
LN		11629-3	Outer Orbital Diameter
			OOD
LN		11863-8	Trans Cerebellar Diameter
			TDC
LN		11726-7	Peak Velocity
			Peak Systolic Velocity
SRT		G-A188	Mid-Longitudinal
			Mid
SRT		T-45170	Carotid Bulb
			Carotid Sinus
LN		8277-6	Body Surface Area
			BSA
LN		29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
			Qp/Qs
SRT		R-42047	Antegrade Direction
			Antegrade Flow
SRT		R-42E61	Retrograde Direction
			Regurgitant Flow
LN		11957-8	Crown Rump Length
			CRL
SRT		P1-48501	Breast implantation
			Implant procedure
SRT		P1-48520	Removal of breast implant
			Explantation
SRT		D0-00165	Weal
			Hives
SRT		D7-90010	Disorder of breast implant
			Breast implant problem
SRT		D7-90530	Breast lump
			Lump or thickening
SRT		D7-90560	Peau d'orange surface of breast
			Peau d'orange
SRT		D7-90565	Bloody nipple discharge
			Bloody discharge
SRT		DD-66A67	Hemorrhage postprocedure
			Abnormal bleeding
SRT		DD-67700	Infection as complication of medical care
			Infection
SRT		F-01BF8	Ultrasound scan normal
			Normal; the finding is not seen sonographically

SRT		F-01E06	Indeterminate result
			Inconclusive
SRT		F-02B9B	Nottingham Combined Grade cannot be determined
			GX - grade cannot be assessed
SRT		F-8A057	Calcification of breast
			Calcifications
SRT		F-8A074	Discoloration of skin of breast
			Redness of skin
SRT		F-8A09C	Nipple problem
			Nipple abnormality
SRT		F-A2632	Persistent pain following procedure
			Unusual pain
SRT		F-A5581	Vasovagal attack
			Vasovagal reaction
SRT		G-F616	Nottingham Combined Grade I: 3-5 points
			G1 - Low combined histologic grade (favorable)
SRT		G-F617	Nottingham Combined Grade II: 6-7 points
			G2 - Intermediate combined histo grade (moderately favorable)
SRT		G-F618	Nottingham Combined Grade III: 8-9 points
			G3 - High combined histologic grade (unfavorable)
SRT		M-78280	Surgical scar
			Post-surgical scar
SRT		P1-03106	Computed tomography guided biopsy
			CT guided
SRT		P1-03107	Magnetic resonance imaging guided biopsy
			MRI guided
SRT		P1-03115	Ultrasound guided biopsy
			Ultrasound guided
SRT		P1-48011	Pre-biopsy localization of breast lesion
			Localization for surgical biopsy
SRT		P1-48142	Diagnostic aspiration of breast cyst
			Cyst aspiration
SRT		P1-48145	Fine needle aspiration of breast
			FNA - Fine needle aspiration
SRT		P1-48304	Core needle biopsy of breast
			Core biopsy
SRT		P1-4830F	Breast – surgical biopsy
			Surgical biopsy
SRT		P2-4A000	Examination of breast
			Clinical breast exam
SRT		P5-00032	Diagnostic radiography, stereotactic localization

			Stereotactic
SRT		P5-40030	Specimen radiography of breast
			Specimen imaging
SRT		P5-D0042	Radionuclide localization of tumor, limited area
			Scintimammography
SRT		R-20099	O/E – axillary lymphadenopathy
			Large axillary lymph nodes
SRT		R-207D7	O/E - Breast lump palpated
			Palpable abnormality
SRT		R-40FB9	Before procedure
			Pre-
SRT		R-41DDC	High risk tumor
			High risk
SRT		R-422A4	After procedure
			Follow-up
SRT		R-101BA	vessel lumen cross sectional area reduction
			lumen area stenosis
SRT		R-101BB	vessel lumen diameter reduction
			lumen diameter stenosis
SRT		P5-B0700	Ultrasonic guidance procedure
			Ultrasound guided
SRT		F-01711	Almost entirely fat
			Almost entirely fat (<= 10% fibroglandular)
SRT		F-01712	Scattered fibroglandular densities
			Scattered fibroglandular tissue (11% - 50% fibroglandular)
SRT		F-01713	Heterogeneously dense
			Heterogeneously dense (51% - 75% fibroglandular)
SRT		F-01714	Extremely dense
			Extremely dense (greater than 75% fibroglandular)
SRT		F-0176F	Heterogeneous calcification
			Coarse heterogeneous calcification
SRT		F-01792	Focal asymmetric breast tissue
			Focal asymmetry
SRT		F-01793	Asymmetric breast tissue
			Global asymmetry
SRT		F-01797	Tubular density
			Asymmetric tubular structure/solitary dilated duct
SRT		M-85002	Intraductal carcinoma, non-infiltrating
			DCIS
SRT		P0-009B4	Evaluation procedure
			Clinical evaluation
SRT		P5-D0061	Radioisotope scan of lymphatic system

			Lymphoscintigraphy
SRT		A-25612	Embolization coil
			Gianturco coil
SRT		T-46010	Brachiocephalic artery
			Brachiocephalic trunk
			Innominate artery
DCM		111046	Percent Fibroglandular Tissue
			Percent Glandular Tissue

Annex H Code Meanings of LOINC Codes in DCMR

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
LN	11522-0	Echocardiography Report
LN	11525-3	Ultrasound Obstetric and Gyn Report
LN	11528-7	Radiology Report
LN	11538-6	CT Chest Report
LN	11539-4	CT Head Report
LN	11540-2	CT Abdomen Report
LN	11541-0	MRI Head Report
LN	18745-0	Cardiac Catheterization Report
LN	18747-6	CT Report
LN	18748-4	Diagnostic Imaging Report
LN	18755-9	MRI Report
LN	18756-7	MRI Spine Report
LN	18757-5	Nuclear Medicine Report
LN	18758-3	PET Scan Report
LN	18760-9	Ultrasound Report
LN	33065-4	Ectopic Pregnancies
LN	33066-2	Estimated LMP by EDD
LN	33067-0	Conception Date
LN	33068-8	Thoracic Area
LN	33069-6	Nuchal Translucency
LN	33070-4	Inner Orbital Diameter
LN	33071-2	Spine Length
LN	33072-0	AC, ASUM 2000
LN	33073-8	AC, Hansmann1985
LN	33074-6	AC, Lessoway 1998
LN	33075-3	AC, Mertz 1988
LN	33076-1	AC, Shinozuka 1996
LN	33077-9	A-P Abdominal Diameter, Lessoway 1998
LN	33078-7	AxT, Shinozuka 1996
LN	33079-5	BPD, ASUM 1989
LN	33080-3	BPD, Lessoway 1998
LN	33081-1	BPD, Mertz 1988
LN	33082-9	BPD, Osaka 1989

LN	33083-7	BPD, Rempen 1991
LN	33084-5	BPD, Shinozuka 1996
LN	33085-2	BPD, Tokyo 1986
LN	33086-0	BPD-oi, Chitty 1997
LN	33087-8	BPD-oo, Chitty 1997
LN	33088-6	Clavical length,Yarkoni 1985
LN	33089-4	CRL, ASUM 1991
LN	33090-2	CRL, ASUM 2000
LN	33091-0	CRL, Daya 1993
LN	33092-8	CRL, Jeanty 1982
LN	33093-6	CRL, Osaka 1989
LN	33094-4	CRL, Rempen 1991
LN	33095-1	CRL, Shinozuka 1996
LN	33096-9	CRL, Tokyo 1986
LN	33097-7	Fibula, Jeanty 1983
LN	33098-5	FL, Chitty 1997
LN	33099-3	FL, Jeanty 1982
LN	33100-9	FL, Lessoway 1998
LN	33101-7	FL, Osaka 1989
LN	33102-5	FL, Shinozuka 1996
LN	33103-3	FL, Tokyo 1986
LN	33104-1	GS, Daya 1991
LN	33105-8	GS, Hansmann 1979
LN	33106-6	GS, Hansmann 1982
LN	33107-4	GS, Nyberg 1992
LN	33108-2	GS, Tokyo 1986
LN	33109-0	HC, ASUM 2000
LN	33110-8	HC measured, Chitty 1997
LN	33111-6	HC derived, Chitty 1997
LN	33112-4	HC, Hansmann 1985
LN	33113-2	HC, Jeanty 1982
LN	33114-0	HC, Lessoway 1998
LN	33115-7	HC Merz, 1988
LN	33116-5	Humerus Length, ASUM 2000
LN	33117-3	Humerus Length, Osaka 1989
LN	33118-1	Length of Vertebra, Tokyo 1986
LN	33119-9	OFD, ASUM 2000
LN	33120-7	OFD, Hansmann 1986
LN	33121-5	OFD, Lessoway 1998
LN	33122-3	IOD, Mayden 1982

LN	33123-1	IOD, Trout 1994
LN	33124-9	OOD, Mayden, 1982
LN	33125-6	OOD, Trout 1994
LN	33126-4	Radius, Jeanty 1983
LN	33127-2	Spine Length, Tokyo, 1989
LN	33128-0	TAD, Eriksen 1985
LN	33129-8	TAD Hansmann, 1979
LN	33130-6	TAD, Tokyo 1986?
LN	33131-4	ThC, Chitkara 1987
LN	33132-2	TCD, Chitty 1994
LN	33133-0	TCD, Goldstein 1987
LN	33134-8	TCD, Hill 1990
LN	33135-5	TCD, Nimrod 1986
LN	33136-3	Transverse Thoracic Diameter, Hansmann 1985
LN	33137-1	Transverse Thoracic Diameter, Lessoway 1998
LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989
LN	33139-7	EFW by BPD, TTD, Hansmann 1986
LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990
LN	33141-3	EFW1 by Shinozuka 1996
LN	33142-1	EFW2 by Shinozuka 1996
LN	33143-9	EFW3 by Shinozuka 1996
LN	33144-7	EFW by BPD, APAD, TAD, FL, Tokyo 1987
LN	33145-4	AC by GA, ASUM 2000
LN	33146-2	AC by GA, Hadlock 1984
LN	33147-0	AC (measured) by GA, Chitty 1994
LN	33148-8	AC by GA, Merz 1988
LN	33149-6	AC by GA, Shinozuka 1996
LN	33150-4	AxT by GA, Shinozuka 1996
LN	33151-2	BPD by GA, ASUM 2000
LN	33152-0	BPD outer-outer by GA, Chitty 1994
LN	33556-2	BPD outer-inner by GA, Chitty 1994
LN	33153-8	BPD by GA, Jeanty 1982
LN	33154-6	BPD by GA, Merz 1988
LN	33155-3	BPD by GA, Rempen 1991
LN	33156-1	BPD by GA, Shinozuka 1996
LN	33157-9	Cephalic Index, by GA Chitty 1994
LN	33158-7	Cephalic Index by GA, Hadlock 1981
LN	33159-5	CRL by GA, ASUM 2000
LN	33160-3	CRL by GA, Rempen1991
LN	33161-1	CRL, by GA, Shinozuka 1996

LN	33162-9	EFW by GA, Hadlock 1991
LN	33163-7	EFW by GA, Hansmann 1986
LN	33164-5	Fibula by GA, by GA Jeanty 1983
LN	33165-2	FL by GA, ASUM 2000
LN	33166-0	FL by GA, Hadlock 1984
LN	33167-8	FL by GA, Chitty 1994
LN	33168-6	FL by GA, Jeanty 1982
LN	33169-4	FL by GA, Merz 1988
LN	33170-2	FL by GA, Shinozuka 1996
LN	33171-0	GS by GA, Rempen 1991
LN	33172-8	HC by GA, ASUM 2000
LN	33173-6	HC by GA, Hadlock 1984
LN	33174-4	HC derived by GA, Chitty 1994
LN	33175-1	HC by GA, Jeanty 1982
LN	33176-9	HC by GA, Merz 1988
LN	33177-7	Humerus Length by GA, ASUM 2000
LN	33178-5	OFD by GA, ASUM 2000
LN	33179-3	OFD by GA, Chitty 1994
LN	33180-1	Radius,by GA, Jeanty 1983
LN	33181-9	TCD by GA, Goldstein 1987
LN	33182-7	HC/AC by GA, Campbell 1977
LN	33183-5	FWP by GA, Hadlock 1991
LN	33184-3	FWP by GA, Williams, 1982
LN	33185-0	FWP by GA, Alexander, 1996
LN	33186-8	Male Singleton BWP by GA, Arbuckle 1993
LN	33187-6	Female Singleton BWP by GA, Arbuckle 1993
LN	33188-4	Female Twins BWP by GA, Arbuckle 1993
LN	33189-2	FWP by GA, Brenner 1976
LN	33190-0	FWP by MA, Hadlock 1985
LN	33191-8	APAD * TAD
LN	33192-6	Uterus Volume
LN	33196-7	Posterior Horn Lateral ventricular width
LN	33197-5	Anterior Horn Lateral ventricular width
LN	33198-3	BPD by GA, Hadlock 1984
LN	33199-1	Male Twins BWP by GA, Arbuckle 1993
LN	8302-2	Patient Height
LN	29463-7	Patient Weight
LN	11996-6	Gravida
LN	11977-6	Para
LN	11612-9	Aborta

LN	11878-6	Number of Fetuses
LN	11886-9	Gestational Age by ovulation date
LN	18185-9	Gestational Age
LN	11888-5	Composite Ultrasound Age
LN	11885-1	Gestational Age by LMP
LN	11727-5	Estimated Weight
LN	11767-1	EFW percentile rank
LN	11948-7	Fetal Heart Rate
LN	11778-8	Estimated Date of Delivery
LN	11779-6	EDD from LMP
LN	11781-2	EDD from average ultrasound age
LN	11780-4	EDD from ovulation date
LN	11955-2	Last Menstrual Period
LN	11976-8	Ovulation date
LN	11947-9	HC/AC
LN	11871-1	FL/AC
LN	11872-9	FL/BPD
LN	11823-2	Cephalic Index
LN	11873-7	FL/HC
LN	11979-2	Abdominal Circumference
LN	11818-2	Anterior-Posterior Abdominal Diameter
LN	11819-0	Anterior-Posterior Trunk Diameter
LN	11820-8	Biparietal Diameter
LN	11824-0	BPD area corrected
LN	11860-4	Cisterna Magna
LN	11963-6	Femur Length
LN	11965-1	Foot length
LN	11984-2	Head Circumference
LN	11851-3	Occipital-Frontal Diameter
LN	11988-3	Thoracic Circumference
LN	11862-0	Tranverse Abdominal Diameter
LN	11863-8	Trans Cerebellar Diameter
LN	11864-6	Transverse Thoracic Diameter
LN	11853-9	Left Kidney thickness
LN	11834-9	Left Kidney length
LN	11825-7	Left Kidney width
LN	11855-4	Right Kidney thickness
LN	11836-4	Right Kidney length
LN	11827-3	Right Kidney width
LN	11966-9	Humerus length

LN	11967-7	Radius length
LN	11969-3	Ulna length
LN	11968-5	Tibia length
LN	11964-4	Fibula length
LN	11962-8	Clavicle length
LN	12171-5	Lateral Ventrical width
LN	11860-4	Cisterna Magna length
LN	12146-7	Nuchal Fold thickness
LN	11629-3	Outer Orbital Diameter
LN	11863-8	Trans Cerebellar Diameter
LN	12170-7	Width of Hemisphere
LN	11624-4	First Quadrant Diameter
LN	11626-9	Second Quadrant Diameter
LN	11625-1	Third Quadrant Diameter
LN	11623-6	Fourth Quadrant Diameter
LN	11957-8	Crown Rump Length
LN	11850-5	Gestational Sac Diameter
LN	11816-6	Yolk Sac length
LN	12164-0	Left Ovary Volume
LN	11840-6	Left Ovary Length
LN	11829-9	Left Ovary Width
LN	11857-0	Left Ovary Height
LN	12165-7	Right Ovary Volume
LN	11841-4	Right Ovary Length
LN	11830-7	Right Ovary Width
LN	11858-8	Right Ovary Height
LN	11961-0	Cervix Length
LN	12145-9	Endometrium Thickness
LN	11885-1	Gestational Age by LMP
LN	11884-4	Average Ultrasound Age
LN	11889-3	AC, Campbell 1975
LN	11892-7	AC, Hadlock 1984
LN	11893-5	AC, Jeanty 1984
LN	11900-8	BPD, Doubilet 1993
LN	11902-4	BPD, Hadlock 1984
LN	11903-2	BPD, Hansmann 1985
LN	33538-0	BPD, Hansmann 1986
LN	33539-8	BPD, Jeanty 1982
LN	11905-7	BPD, Jeanty 1984
LN	11906-5	BPD, Kurtz 1980

LN	11907-3	BPD, Sabbagha 1978
LN	11901-6	BPDa, Hadlock 1982
LN	11910-7	CRL, Hadlock 1992
LN	11911-5	CRL, Hansmann 1985
LN	11917-2	CRL, Jeanty 1984
LN	11913-1	CRL, Nelson 1981
LN	11914-9	CRL, Robinson 1975
LN	11918-0	Fibula, Merz 1987
LN	11920-6	FL, Hadlock 1984
LN	11921-4	FL, Hansmann 1985
LN	11922-2	FL, Hohler 1982
LN	33099-3	FL, Jeanty 1982
LN	11923-0	FL, Jeanty 1984
LN	33100-9	FL, Lessoway 1998
LN	11924-8	FL, Merz 1987
LN	33101-7	FL, Osaka 1989
LN	33102-5	FL, Shinozuka 1996
LN	33103-3	FL, Tokyo 1986
LN	11926-3	Foot Length, Mercer 1987
LN	33104-1	GS, Daya 1991
LN	33105-8	GS, Hansmann 1979
LN	33106-6	GS, Hansmann 1982
LN	11928-9	GS, Hellman 1969
LN	33107-4	GS, Nyberg 1992
LN	11929-7	GS, Rempen 1991
LN	11932-1	HC, Hadlock 1984
LN	11934-7	HC, Jeanty 1984
LN	11936-2	Humerus, Jeanty 1984
LN	11937-0	Humerus, Merz 1987
LN	33545-5	BD, Jeanty 1982
LN	11939-6	Radius, Merz 1987
LN	11941-2	Tibia, Jeanty 1984
LN	11944-6	Ulna, Jeanty 1984
LN	11945-3	Ulna, Merz 1987
LN	11756-4	EFW by AC, Campbell 1975
LN	11738-2	EFW by AC, BPD, Hadlock 1984
LN	11734-1	EFW by AC, BPD, FL, Hadlock 1984
LN	11735-8	EFW by AC, BPD, FL, Hadlock 1985
LN	11732-5	EFW by AC, BPD, FL, HC, Hadlock 1985
LN	11750-7	EFW by AC, FL, Hadlock 1984

LN	11751-5	EFW by AC, FL, Hadlcok 1985
LN	11746-5	EFW by AC, FL, HC, Hadlock 1985
LN	11754-9	EFW by AC, HC Hadlock 1984
LN	11739-0	EFW by AC and BPD, Shepard 1982
LN	33130-6	TAD, Tokyo 1986
LN	33131-4	ThC, Chitkara 1987
LN	33537-2	AC, Jeanty 1982
LN	33538-0	BPD, Hansmann 1986
LN	33539-8	BPD, Jeanty 1982
LN	33540-6	CRL, Hansmann 1986
LN	33541-4	FL, Hansmann 1986
LN	33542-2	FL, Merz 1988
LN	33543-0	HC, Hansmann 1986
LN	33544-8	OFD, Hansmann 1985
LN	33545-5	BD, Jeanty 1982
LN	33147-0	AC (measured) by GA, Chitty 1994
LN	33546-3	AC (derived), Chitty 1994
LN	11665-7	Minimum Diastolic Velocity
LN	11653-3	End Diastolic Velocity
LN	11692-1	Time averaged peak velocity
LN	20352-1	Time averaged mean velocity
LN	11726-7	Peak Velocity
LN	12008-9	Pulsatility Index
LN	12023-8	Resistivity Index
LN	12144-2	Systolic to Diastolic Velocity Ratio
LN	20168-1	Acceleration time
LN	20217-6	Deceleration time
LN	20167-3	Acceleration Index
LN	33867-3	Velocity ratio
LN	33868-1	ICA/CCA velocity ratio
LN	33869-9	Renal Artery/Aorta velocity ratio
LN	8302-2	Patient height
LN	8277-6	Body Surface Area
LN	17977-0	Left Atrium Systolic Area
LN	17978-8	Mitral Valve A-Wave Peak Velocity
LN	17988-7	Right Atrium Systolic Area.
LN	17985-3	Left Atrium to Aortic Root Ratio
LN	17995-2	Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient
LN	17996-0	Aortic Valve Cusp Separation
LN	17998-6	Aortic Valve Regurgitant Diastolic Deceleration Time

LN	18006-7	Inferior Vena Cava Diameter
LN	18011-7	Aortic Arch Diameter
LN	18012-5	Ascending Aortic Diameter
LN	18013-3	Descending Aortic Diameter
LN	18015-8	Aortic Root Diameter
LN	18019-0	Left Pulmonary Artery Diameter
LN	18020-8	Main Pulmonary Artery Diameter
LN	18021-6	Right Pulmonary Artery Diameter
LN	18026-5	Left Ventricular End Diastolic Volume
LN	18030-7	Tricuspid Valve A Wave Peak Velocity
LN	18031-5	Tricuspid Valve E Wave Peak Velocity
LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity
LN	18037-2	Mitral Valve E-Wave Peak Velocity
LN	18038-0	Mitral Valve E to A Ratio
LN	18040-6	Mitral Valve E-F Slope by M-Mode
LN	18041-4	Aortic Valve Ejection Time
LN	18043-0	Left Ventricular Ejection Fraction
LN	18050-5	Inferior Vena Cava % Collapse
LN	18051-3	Left Ventricular Fractional Shortening
LN	18053-9	Left Ventricle Posterior Wall % Thickening
LN	18054-7	Interventricular Septum % Thickening
LN	18070-3	Right Atrium Systolic Pressure
LN	18071-1	Left Ventricular Isovolumic Relaxation Time
LN	18076-0	Left Ventricle Systolic Major Axis
LN	18077-8	Left Ventricle Diastolic Major Axis
LN	18087-7	Left Ventricle Mass
LN	18096-8	Pulmonic valve Area by continuity
LN	18118-0	LV Wall Motion Segmental Findings
LN	18139-6	Stage
LN	18148-7	Left Ventricular End Systolic Volume
LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness
LN	18153-7	Right Ventricle Anterior Wall Diastolic Thickness
LN	18154-5	Interventricular Septum Diastolic Thickness
LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness
LN	18157-8	Right Ventricular Anterior Wall Systolic Thickness
LN	18158-6	Interventricular Septum Systolic Thickness
LN	18179-2	Wall Segment
LN	20247-3	Peak Gradient
LN	11726-7	Peak Velocity

LN	20295-2	Time from Q wave to Pulmonic Valve Closes
LN	29436-3	Left Ventricle Internal End Diastolic Dimension
LN	29438-9	Left Ventricle Internal Systolic Dimension
LN	29449-6	Mitral Valve Regurgitant Volume by Proximal Isovelocity Surface Area Method
LN	29450-4	Pulmonary Vein Systolic Peak Velocity
LN	29451-2	Pulmonary Vein Diastolic Peak Velocity
LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio
LN	29453-8	Pulmonary Vein Atrial Contraction Reversal Peak Velocity
LN	29460-3	Thoracic Aorta Coarctation Systolic Peak Velocity
LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
LN	29463-7	Patient weight
LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
LN	29471-0	Hepatic Vein Systolic Peak Velocity
LN	29472-8	Hepatic Vein Diastolic Peak Velocity
LN	29473-6	Hepatic Vein Systolic to Diastolic Ratio
LN	29474-4	Hepatic Vein Atrial Contraction Reversal Peak Velocity
LN	29486-8	Left Atrial Appendage Peak Velocity
LN	11793-7	Follicle Diameter
LN	10160-2	History of Medication Use
LN	11450-4	Problem List

Annex I Relationship of Endoscopy Procedures to Anatomic Regions (Informative)

The table in this Annex provides examples of the common nomenclature for the type of endoscopy performed, and the code value suggested for use for anatomic region in CID 4040.

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)	Example of the type of endoscopy for which this region is applicable (informative)
SRT	T-D4000	Abdomen	Laparoscopy
SRT	T-59490	Anus, rectum and sigmoid colon	Rectosigmoidoscopy
SRT	T-60610	Bile duct	
SRT	T-74000	Bladder	Cystoscopy
SRT	T-DD123	Bladder and urethra	Panendoscopy (urethrocystoscopy)
SRT	T-26000	Bronchus	Bronchoscopy
SRT	T-83200	Cervix	Colposcopy
SRT	T-D3000	Chest	Thoracoscopy
SRT	T-DD163	Esophagus, stomach and duodenum	Upper gastrointestinal endoscopy
SRT	T-AB200	External auditory canal	Otoscopy
SRT	T-63000	Gall bladder	Laparoscopic cholecystectomy
SRT	T-D7000	Inguinal region	Endoscopic inguinal hernia repair
SRT	T-15001	Joint	Arthroscopy
SRT	T-71000	Kidney	Percutaneous renal endoscopy
SRT	T-D9200	Knee	Arthroscopy of knee
SRT	T-59000	Large intestine	Colonoscopy
SRT	T-24100	Larynx	Laryngoscopy
SRT	T-40230	Lumen of blood vessel	Endoluminal (intravascular) endoscopy
SRT	T-D3300	Mediastinum	Mediastinoscopy
SRT	T-2300C	Naso pharynx	Naso pharyngoscopy
SRT	T-22000	Paranasal sinus	Endoscopic sinus surgery
SRT	T-55002	Pharynx	Pharyngoscopy
SRT	T-20101	Pharynx and larynx	Laryngopharyngoscopy
SRT	T-59600	Rectum	Proctoscopy
SRT	T-D2220	Shoulder	Arthroscopy of shoulder
SRT	T-59470	Sigmoid colon	Sigmoidoscopy

SRT	T-D0146	Spine	Spinal endoscopy
SRT	T-DD006	Trachea and bronchus	Tracheobronchoscopy
SRT	T-70010	Upper urinary tract	Percutaneous or retrograde ureteric and renal endoscopy
SRT	T-73800	Ureter	Percutaneous or retrograde ureteric endoscopy
SRT	T-88920	Uterus and fallopian tubes	Culdoscopy

Annex J SNOMED DICOM Microglossary Retired Codes (Normative)

This Annex identifies coded terms specifed in earlier versions of the Standard that were included in the SNOMED DICOM Microglossary. The Microglossary and these coded terms are retired. Some of the codes conflict with codes defined in SNOMED. Additionally, some SNOMED coded terms specified in earlier versions of the Standard have been retired and replaced by SNOMED to avoid ambiguities in concept, and are noted here as well.

Implementors of the Standard are cautioned that:

- some applications may continue to send retired codes with the meaning defined in this Annex
- the retired codes may be associated with coding scheme designator 99SDM or SNM3
- retired codes may be encountered in existing SOP Instances stored in archives
- applications receiving SOP Instances should continue to support retired codes with the meaning defined in this Annex
- some applications may not trigger expected behavior (e.g. hanging protocols, image processing) when receiving SOP Instances with the replacement codes
- DICOM applications and SOP Instances shall never use the retired codes with a meaning other than that defined in this Annex

SNOMED DICOM Microglossary Retired Codes

Retired Code Value	Code Meaning	Replacement Code (SNOMED)	Notes
G-5190	Headfirst	F-10470	
G-5191	Feet-first	F-10480	
G-A11A	Mid-longitudinal	G-A188	
G-A11B	Parasagittal	G-A189	
G-A12A	Intraluminal	R-42142	
G-A16A	Capsule	G-A171	Replacement code has meaning “Capsular”
G-A16B	Lumen	T-D0048	
G-A16C	Contact	G-4022	Replacement code has meaning “Contact with”
G-A16D	Parenchyma	T-D0062	
J-83250	Metal (Lead) Marker	A-00D7B	Replacement code has meaning “Opaque marker”
R-102C9	Transthoracic	R-40885	
R-102CA	Lordotic	R-40799	

R-102CB	Transforamenal	R-4087B	
R-102CC	Transoral	G-D00B	
R-102CE	Transorbital	R-40554	
R-11300	Transverse	G-A117	
Y-X1770	Cranio-caudal exaggerated laterally	R-1024A	
Y-X1771	Cranio-caudal exaggerated medially	R-1024B	
T-D1217	Maxilla and mandible	T-D1213	Replacement code has meaning “Jaw Region”
T-D1480	Orbit	T-D14AE	Replacement code has meaning “Orbital structure”
T-D6151	Uterus and fallopian tubes	T-88920	
G-0371	% Area Reduction	R-101BA	Lumen Area Stenosis
G-0372	% Diameter Reduction	R-101BB	Lumen Diameter Stenosis
G-C295	Route of Administration	G-C340	
G-D100	Route of Administration	G-C340	
T-42501	Abdominal Aorta	T-42500	
T-42303	Aortic Arch	T-42300	
T-45011	Carotid Artery	T-45010	
T-A600A	Cerebellum	T-A6000	
T-D00CC	Entire Spine	T-D0146	Replacement code has meaning “Spine”
T-D2500	Hip	T-15710	Replacement code has meaning “Hip joint”
T-D4909	Kidney	T-71000	Also used as “Endo-renal”
T-62002	Liver	T-62000	
T-D4034	Pancreas	T-65000	
T-11500	Spine	T-D0146	
T-D4035	Spleen	T-C3000	
T-9400F	Testis	T-94000	
T-4600A	Thoracic aorta	T-42070	
T-C8001	Thymus	T-C8000	
T-D6151	Uterus and fallopian tubes	T-88920	

T-73000	Ureter	T-73800	T-73000 remains in use as “endo-ureteric”
T-83009	Uterus	T-83000	
T-D8600	Wrist	T-15460	Replacement code has meaning “Wrist joint”
P5-B3003	Transthoracic echocardiography	P5-B3012	
P5-B3004	Epicardial echocardiography	P0-05F95	
P5-B3082	Pediatric echocardiography	P5-B300F	
P5-B3083	Intraoperative echocardiography	P5-B300C	
P5-01000	Image acquisition procedure		
P5-01101	Image acquisition after administration of contrast agent		
P5-01103	Image acquisition during cardiac pacing	P2-35000	Replacement code has meaning "Cardiac pacing”
P5-01104	Image acquisition at user-defined cardiac pacing rate	P2-35000	Replacement code has meaning “Cardiac pacing”
P5-01111	Image acquisition during hand grip maneuver	P2-71306	Replacement code has meaning “Hand grip”
P5-01112	Image acquisition during Valsalva	R-40928	Replacement code has meaning “Valsalva”
P5-01113	Image acquisition during postural maneuver		
P5-01120	Pre-procedure image acquisition	R-40FB9	Replacement code has meaning “Before Procedure”
P5-01121	Preoperative image acquisition	R-40FB9	Replacement code has meaning “Before Procedure”
P5-01130	Intra-procedure image acquisition	R-40FBA	Replacement code has meaning “During Procedure”
P5-01131	Intra-operative image acquisition	R-40FBA	Replacement code has meaning “During Procedure”

P5-01140	Post-procedure image acquisition	R-422A4	Replacement code has meaning “After Procedure”
P5-01141	Post-operative image acquisition	R-422A4	Replacement code has meaning “After Procedure”
P5-01142	Image acquisition following first cardiopulmonary bypass	R-422A4	Replacement code has meaning “After Procedure”
P5-01143	Image acquisition following second cardiopulmonary bypass	R-422A4	Replacement code has meaning “After Procedure”
P5-01144	Image acquisition following third cardiopulmonary bypass	R-422A4	Replacement code has meaning “After Procedure”
P5-01200	Image acquisition during stress procedure	R-40FBA	Replacement code has meaning “During Procedure”
P5-01201	Image acquisition at baseline	F-01602	Replacement code has meaning “Baseline”
P5-01202	Pre-stress image acquisition	F-01602	Replacement code has meaning “Baseline”
P5-01203	Mid-stress image acquisition	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01204	Peak-stress image acquisition	F-05028	Replacement code has meaning “Peak cardiac stress state”
P5-01205	Image acquisition during recovery	F-05018	Replacement code has meaning “Cardiac stress recovery state”
P5-01300	Image acquisition after drug administration	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01310	Image acquisition at user-defined dobutamine dose	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01311	Image acquisition at low-dose dobutamine	F-05019	Replacement code has meaning “Cardiac stress state´
P5-01312	Image acquisition at mid-dose dobutamine	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01313	Image acquisition at peak dose dobutamine	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01314	Image acquisition at dobutamine 5	F-05019	Replacement code has meaning “Cardiac stress state”

	mcg/kg/min		“Cardiac stress state”
P5-01315	Image acquisition at dobutamine 10 mcg/kg/min	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01316	Image acquisition at dobutamine 20 mcg/kg/min	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01317	Image acquisition at dobutamine 30 mcg/kg/min	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01318	Image acquisition at dobutamine 40 mcg/kg/min	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01319	Image acquisition at dobutamine 50 mcg/kg/min	F-05019	Replacement code has meaning “Cardiac stress state”
P5-0131A	Image at dobutamine 40 mcg/kg/min plus atropine	F-05019	Replacement code has meaning “Cardiac stress state”
P5-0131B	Image acquisition at dobutamine 50 mcg/kg/min plus atropine	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01323	Image acquisition at peak Arbutamine dose	F-05028	Replacement code has meaning “Peak cardiac stress state”
P5-01333	Image acquisition at peak dipyridamole	F-05028	Replacement code has meaning “Peak cardiac stress state”
P5-01341	Image acquisition after nitroglycerin	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01342	Image acquisition after amyl nitrite	F-05019	Replacement code has meaning “Cardiac stress state”
P5-01343	Image acquisition after adenosine	F-05019	Replacement code has meaning “Cardiac stress state”
P5-B301F	Limited M-mode only echocardiography	P5-B3000	Replacement code has meaning “Echocardiography”
P5-B303F	Limited Doppler only echocardiography	P5-B3000	Replacement code has meaning “Echocardiography”
P5-B3051	Maximal stress echocardiography	P5-B3050	Replacement code has meaning “Exercise stress echocardiography”
P5-B3052	Submaximal stress echocardiography	P5-B3050	Replacement code has meaning “Exercise stress

	echocardiography		echocardiography”
P5-B3053	Treadmill exercise stress echocardiography	P5-B3050	Replacement code has meaning “Exercise stress echocardiography”
P5-B3054	Bruce treadmill stress echocardiography	P2-7131A	Replacement code has meaning “Bruce protocol”
P5-B3055	Modified Bruce treadmill stress echocardiography	P2-7131B	Replacement code has meaning “Modified Bruce protocol”
P5-B3056	Naughton treadmill stress echocardiography	P2-713A0	Replacement code has meaning “Naughton protocol”
P5-B3058	Bicycle exercise stress echocardiography	P2-31102	Replacement code has meaning “Stress test using Bicycle Ergometer”
P5-B3060	Echocardiography with administered drug stress	P2-31107	Replacement code has meaning “Pharmacologic Stress protocol”
P5-B3061	Dobutamine stress echocardiography	P2-31108	Replacement code has meaning “Dobutamine Stress protocol”
P5-B3062	High dose dobutamine stress echocardiography	P2-31108	Replacement code has meaning “Dobutamine Stress protocol”
P5-B3063	Low dose dobutamine stress echocardiography	P2-31108	Replacement code has meaning “Dobutamine Stress protocol”
P5-B3065	Arbutamine stress echocardiography	P2-31107	Replacement code has meaning “Pharmacologic Stress protocol”
P5-B3066	Dipyridamole stress echocardiography	P2-3110A	Replacement code has meaning “Dipyridamole Stress protocol”
P5-B3070	Cardiac pacing echocardiography	P2-3110B	Replacement code has meaning “Stress test using cardiac pacing”
P5-B3081	Adult echocardiography	P5-B3004	Replacement code has meaning “Transthoracic echocardiography”
P5-B3084	Upright echocardiography	P5-B3004	Replacement code has meaning “Transthoracic echocardiography”
P5-B3085	Supine echocardiography	P5-B3004	Replacement code has meaning “Transthoracic echocardiography”

P5-B3091	Contrast left ventricular opacification echocardiography	P5-B3090	Replacement code has meaning “Contrast echocardiography”
P5-B3092	Contrast perfusion echocardiography	P5-B3090	Replacement code has meaning “Contrast echocardiography”
P5-B3093	Contrast Doppler enhancement echocardiography	P5-B3090	Replacement code has meaning “Contrast echocardiography”
P5-B3191	2D complete echocardiography	P5-B3004	Replacement code has meaning “Transthoracic echocardiography”
P5-B3192	Limited 2D only echocardiography	P5-B3004	Replacement code has meaning “Transthoracic echocardiography”

Annex K Relevant Patient Information Templates (Normative)

The following templates are appropriate to use as Root templates for the Relevant Patient Information Query Service Class:

- TID 9007 General Relevant Patient Information.
- TID 9000 Relevant Patient Information for Breast Imaging.
- TID 9001 Gynecological History
- TID 9002 Medication, Substance, Environmental Exposure
- TID 9003 Previous Procedure
- TID 9004 Indicated Problem
- TID 9005 Risk Factor
- TID 9006 Obstetric History
- TID 3802 Cardiovascular Patient History.

Annex L Correspondence of Anatomic Region Codes and Body Part Examined Defined Terms

This Annex defines a correspondence between the SNOMED codes used in context groups for Anatomic Region Sequence (0008,2218) and Body Part Examined (0018,0015), as well as providing a list of the Defined Terms for Body Part Examined (0018,0015), for human use in Table L-1 and for animal use in Table L-2.

Table L-1
Corresponding SNOMED Terms for Human Use

SNOMED Code Value	Code Meaning	Body Part Examined
T-D4000	Abdomen	ABDOMEN
R-FAB57	Abdomen and Pelvis	ABDOMENPELVIS
T-42500	Abdominal aorta	
T-41070	Abdominal aorta and its branches	
T-15420	Acromioclavicular joint	
T-B3000	Adrenal gland	ADRENAL
T-15750	Ankle joint	ANKLE
T-48503	Anomalous pulmonary vein	
T-49215	Antecubital vein	
T-48440	Anterior cardiac vein	
T-45530	Anterior communicating artery	
T-45730	Anterior spinal artery	
T-47700	Anterior tibial artery	
T-59490	Anus, rectum and sigmoid colon	
T-42000	Aorta	AORTA
T-42300	Aortic arch	
D3-81922	Aortic fistula	
T-32602	Apex of left ventricle	
T-280A0	Apex of Lung	
T-32502	Apex of right ventricle	
T-D8200	Arm	ARM
T-41000	Artery	
T-42100	Ascending aorta	
T-32100	Atrium	
T-D8100	Axilla	AXILLA
T-47100	Axillary Artery	
T-49110	Axillary vein	
T-48340	Azygos vein	
T-D2100	Back	BACK
A-00203	Baffle	

T-45800	Basilar artery	
T-60610	Bile duct	
T-74000	Bladder	BLADDER
T-DD123	Bladder and urethra	
T-D00AB	Body conduit	
T-49424	Boyd's perforating vein	
T-47160	Brachial artery	
T-49350	Brachial vein	
T-A0100	Brain	BRAIN
T-04000	Breast	BREAST
T-D6500	Broad ligament	
T-26000	Bronchus	BRONCHUS
T-D1206	Buccal region of face	
T-D2600	Buttock	BUTTOCK
T-12770	Calcaneus	CALCANEUS
T-D9440	Calf of leg	CALF
T-72100	Calyx	
T-45010	Carotid Artery	CAROTID
T-49240	Cephalic vein	
T-A6000	Cerebellum	CEREBELLUM
T-45510	Cerebral artery	
T-11501	Cervical spine	CSPINE
T-D00F7	Cervico-thoracic spine	CTSPINE
T-83200	Cervix	CERVIX
T-D1206	Cheek	CHEEK
T-D3000	Chest	CHEST
R-FAB55	Chest and Abdomen	CHESTABDOMEN
R-FAB56	Chest, Abdomen and Pelvis	CHESTABDPELVIS
T-45526	Circle of Willis	CIRCLEOFWILLIS
T-12310	Clavicle	CLAVICLE
T-11BF0	Coccyx	COCCYX
T-59300	Colon	COLON
D4-31320	Common atrium	
T-45100	Common carotid artery	
T-46710	Common iliac artery	
T-48920	Common iliac vein	
D4-31120	Common ventricle	
D4-32504	Congenital coronary artery fistula to left atrium	
D4-32506	Congenital coronary artery fistula to left ventricle	
D4-32509	Congenital coronary artery fistula	

	to right atrium	
D4-32510	Congenital coronary artery fistula to right ventricle	
D3-40208	Congenital pulmonary arteriovenous fistula	
T-AA200	Cornea	CORNEA
T-43000	Coronary artery	CORONARYARTERY
T-48410	Coronary sinus	
T-A0193	Cranial venous system	
T-42400	Descending aorta	
T-49429	Dodd's perforating vein	
T-58200	Duodenum	DUODENUM
T-AB000	Ear	EAR
T-D8300	Elbow	ELBOW
T-41000	Endo-arterial	
T-32000	Endo-cardiac	
T-56000	Endo-esophageal	
T-21300	Endo-nasal	
T-23050	Endo-nasopharyngeal	
T-59600	Endo-rectal	
T-71000	Endo-renal	
T-73000	Endo-ureteric	
T-75000	Endo-urethral	
T-82000	Endo-vaginal	
T-40000	Endo-vascular	
T-48000	Endo-venous	
T-74250	Endo-vesical	
T-D0010	Entire body	WHOLEBODY
T-D4200	Epigastric region	
T-56000	Esophagus	ESOPHAGUS
T-DD163	Esophagus, stomach and duodenum	
T-AB200	External auditory canal	
T-45200	External carotid artery	
T-46910	External iliac artery	
T-48930	External iliac vein	
T-D0300	Extremity	EXTREMITY
T-AA000	Eye	EYE
T-AA810	Eyelid	EYELID
T-D1200	Face	FACE
T-45240	Facial artery	
T-11196	Facial bones	

T-47400	Femoral artery	
T-49410	Femoral vein	
T-12710	Femur	FEMUR
T-D8800	Finger	FINGER
T-D2310	Flank	
T-15200	Fontanel of skull	
T-D9700	Foot	FOOT
T-12402	Forearm bone	
T-63000	Gall bladder	GALLBLADDER
T-48820	Gastric vein	
T-47490	Genicular artery	
T-D2600	Gluteal region	
T-48420	Great cardiac vein	
T-D8700	Hand	HAND
T-D1100	Head	HEAD
T-D1000	Head and Neck	HEADNECK
T-32000	Heart	HEART
T-46420	Hepatic artery	
T-48720	Hepatic vein	
T-15710	Hip joint	HIP
T-12410	Humerus	HUMERUS
T-4942A	Hunterian perforating vein	
T-D4240	Hypogastric region	
T-D1212	Hypoglossal	
T-55300	Hypopharynx	
T-58600	Ileum	ILEUM
T-41040	Iliac arterial system	
T-46700	Iliac artery	
T-12340	Ilium	ILIUM
T-48470	Inferior cardiac vein	
T-48540	Inferior left pulmonary vein	
T-46520	Inferior mesenteric artery	
T-48520	Inferior right pulmonary vein	
T-48710	Inferior vena cava	
T-D7000	Inguinal region	
T-46010	Innominate artery	
T-48620	Innominate vein	
T-AB959	Internal Auditory Canal	IAC
T-45300	Internal carotid artery	
T-46740	Internal iliac artey	
T-48170	Internal jugular vein	

T-46200	Internal mammary artery	
T-D4010	Intra-abdominal	
G-A15A	Intra-articular	
T-D14000	Intracranial	
T-56000	Intra-esophageal	
T-D6221	Intra-pelvic	
T-D3000	Intra-thoracic	
T-D1213	Jaw region	JAW
T-58400	Jejunum	JEJUNUM
T-15001	Joint	
D4-31052	Juxtaposed atrial appendage	
T-71000	Kidney	KIDNEY
T-D9200	Knee	KNEE
T-45410	Lacrimal artery	
T-45416	Lacrimal artery of right eye	
T-59000	Large intestine	
T-24100	Larynx	LARYNX
T-32300	Left atrium	
T-32310	Left auricular appendage	
T-47420	Left femoral artery	
T-D4211	Left hypochondriac region	
T-D7020	Left inguinal region	
T-D4140	Left lower quadrant of abdomen	
T-D2340	Left lumbar region	
T-44400	Left pulmonary artery	
T-D4130	Left upper quadrant of abdomen	
T-32600	Left ventricle	
T-32640	Left ventricle inflow	
D4-31022	Left ventricle outflow chamber	
T-32650	Left ventricle outflow tract	
T-D9400	Leg	LEG
T-45230	Lingual artery	
T-62000	Liver	LIVER
T-04003	Lower inner quadrant of breast	
T-04005	Lower outer quadrant of breast	
T-46960	Lumbar artery	
T-D2300	Lumbar region	
T-11503	Lumbar spine	LSPINE
T-D00F9	Lumbo-sacral spine	LSSPINE
T-40230	Lumen of blood vessel	
T-28000	Lung	LUNG

T-11180	Mandible	JAW
T-11133	Mastoid bone	
T-11170	Maxilla	MAXILLA
T-D3300	Mediastinum	MEDIASTINUM
T-46500	Mesenteric artery	
T-4884A	Mesenteric vein	
T-51000	Mouth	MOUTH
T-11149	Nasal bone	
T-2300C	Naso pharynx	
T-D1600	Neck	NECK
R-FAB52	Neck and Chest	NECKCHEST
R-FAB53	Neck, Chest and Abdomen	NECKCHESTABDOMEN
R-FAB54	Neck, Chest, Abdomen and Pelvis	NECKCHESTABDPELV
T-21000	Nose	NOSE
T-45250	Occipital artery	
T-48214	Occipital vein	
T-D4450	Omental bursa	
T-D4600	Omentum	
T-45400	Ophthalmic artery	
T-11102	Optic canal	
T-D14AE	Orbital structure	ORBIT
T-87000	Ovary	OVARY
T-65000	Pancreas	PANCREAS
T-65010	Pancreatic duct	
T-65600	Pancreatic duct and bile duct systems	
T-22000	Paranasal sinus	
T-D3136	Parasternal	
T-B7000	Parathyroid	
T-61100	Parotid gland	PAROTID
T-12730	Patella	PATELLA
D4-32012	Patent ductus arteriosus	
T-D6000	Pelvis	PELVIS
R-FAB58	Pelvis and lower extremeties	
T-91000	Penis	PENIS
T-D2700	Perineum	
T-47630	Peroneal artery	
T-55002	Pharynx	PHARYNX
T-20101	Pharynx and larynx	
T-47500	Popliteal artery	
T-D9310	Popliteal fossa	

T-48810	Portal vein	
T-45320	Posterior communication artery	
T-49535	Posterior medial tributary	
T-47600	Posterior tibial artery	
T-F7001	Primitive aorta	
T-F7040	Primitive pulmonary artery	
T-9200B	Prostate	PROSTATE
T-44000	Pulmonary artery	
D4-33142	Pulmonary artery conduit	
T-32190	Pulmonary chamber of cor triatriatum	
T-48500	Pulmonary vein	
D4-33512	Pulmonary vein confluence	
D4-33514	Pulmonary venous atrium	
T-47300	Radial artery	
T-59600	Rectum	RECTUM
T-46600	Renal artery	
T-72000	Renal pelvis	
T-48740	Renal vein	
T-D4900	Retroperitoneum	
T-11300	Rib	RIB
T-32200	Right atrium	
T-32210	Right auricular appendage	
T-47410	Right femoral artery	
T-D4212	Right hypochondriac region	
T-D7010	Right inguinal region	
T-D4120	Right lower quadrant of abdomen	
T-D2342	Right lumbar region	
T-44200	Right pulmonary artery	
T-D4110	Right upper quadrant of abdomen	
T-32500	Right ventricle	
T-32540	Right ventricle inflow	
D4-31022	Right ventricle outflow chamber	
T-32550	Right ventricle outflow tract	
T-15680	Sacroiliac joint	
T-11AD0	Sacrum	SSPINE
T-D930A	Saphenofemoral junction	
T-49530	Saphenous vein	
T-D1160	Scalp	SCALP
T-12280	Scapula	SCAPULA
T-AA110	Sclera	SCLERA

T-98000	Scrotum	SCROTUM
T-D1460	Sella turcica	
T-12980	Sesamoid bones of foot	
T-D2220	Shoulder	SHOULDER
T-59470	Sigmoid colon	
T-11100	Skull	SKULL
T-58000	Small intestine	
T-A7010	Spinal cord	
T-D0146	Spine	SPINE
T-C3000	Spleen	SPLEEN
T-46460	Splenic artery	
T-48890	Splenic vein	
T-15610	Sternoclavicular joint	
T-11210	Sternum	STERNUM
T-57000	Stomach	STOMACH
T-46100	Subclavian artery	
T-48330	Subclavian vein	
T-D4210	Subcostal	
T-D1603	Submandibular area	
T-61300	Submandibular gland	SUBMANDIBULAR
T-D3213	Subxiphoid	
T-45270	Superficial temporal artery	
T-48530	Superior left pulmonary vein	
T-46510	Superior mesenteric artery	
T-48510	Superior right pulmonary vein	
T-45210	Superior thyroid artery	
T-48610	Superior vena cava	
T-D1620	Supraclavicular region of neck	
T-D4240	Suprapubic region	
T-11218	Suprasternal notch	
T-44007	Systemic collateral artery to lung	
D4-33516	Systemic venous atrium	
T-15770	Tarsal joint	
T-15290	Temporomandibular joint	TMJ
T-94000	Testis	TESTIS
T-D9100	Thigh	THIGH
T-42070	Thoracic aorta	
T-11502	Thoracic spine	TSPINE
T-D00F8	Thoraco-lumbar spine	TLSPINE
T-D3000	Thorax	
T-D8810	Thumb	THUMB

T-C8000	Thymus	THYMUS
T-B6000	Thyroid	THYROID
T-D9800	Toe	TOE
T-53000	Tongue	TONGUE
T-25000	Trachea	TRACHEA
T-DD006	Trachea and bronchus	
D4-31400	Truncus arteriosus communis	
T-46400	Truncus coeliacus	
T-47200	Ulnar artery	
T-F1810	Umbilical artery	
T-D4230	Umbilical region	
T-48817	Umbilical vein	
T-04002	Upper inner quadrant of breast	
T-04004	Upper outer quadrant of breast	
T-70010	Upper urinary tract	
T-73800	Ureter	URETER
T-75000	Urethra	URETHRA
T-83000	Uterus	UTERUS
T-88920	Uterus and fallopian tubes	
T-82000	Vagina	VAGINA
A-04140	Vascular graft	
T-48000	Vein	
T-48003	Venous network	
T-32400	Ventricle	
T-45700	Vertebral artery	
T-11011	Vertebral column and cranium	
T-81000	Vulva	VULVA
T-15460	Wrist joint	WRIST
T-11167	Zygomatic arch	ZYGOMA

Table L-2
Corresponding SNOMED Terms for Animals

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined
SRT	T-D4000	Abdomen	ABDOMEN
SRT	T-D8030	All legs	LEGS
SRT	T-1531B	Atlantal-axial joint	ATLANTOAXIAL
SRT	T-15311	Atlanto-occipital joint	ATLANTOOCCIPITAL
SRT	T-74000	Bladder	BLADDER
SRT	T-12771	Calcaneal tubercle	

SRT	T-D0788	Carpus	CARPUS
SRT	T-11501	Cervical spine	CSPINE
SRT	T-D00F7	Cervico-thoracic spine	CTSPINE
SRT	T-D3000	Chest	CHEST
SRT	R-FAB55	Chest and Abdomen	CHESTABDOMEN
SRT	T-11B02	Coccygeal vertrebrae	TAIL
SRT	T-59300	Colon	COLON
SRT	T-D0310	Digit	DIGIT
SRT	T-110A2	Distal phalanx	DISTALPHALANX
SRT	T-D8300	Elbow	ELBOW
SRT	T-D0010	Entire body	WHOLEBODY
SRT	T-56000	Esophagus	ESOPHAGUS
SRT	T-12710	Femur	FEMUR
SRT	T-D8640	Fetlock of forelimb	FOREFETLOCK
SRT	T-D9540	Fetlock of hindlimb	HINDFETLOCK
SRT	T-D04F2	Forefoot	FOREFOOT
SRT	T-22200	Frontal sinus	FRONTALSINUS
SRT	T-D9713	Hindfoot	HINDFOOT
SRT	T-15710	Hip joint	HIP
SRT	T-12410	Humerus	HUMERUS
SRT	T-11503	Lumbar spine	LSPINE
SRT	T-D00F9	Lumbo-sacral spine	LSSPINE
SRT	T-11180	Mandible	JAW
SRT	T-54170	Mandibular dental arch	
SRT	T-540EE	Mandibular incisor teeth	
SRT	T-54160	Maxillary dental arch	
SRT	T-540ED	Maxillary incisor teeth	
SRT	T-1254D	Metacarpus	METACARPUS
SRT	T-12847	Metatarsus	METATARSUS
SRT	T-22000	Nasal sinus	
SRT	T-127EC	Navicular	NAVICULAR
SRT	T-D14AD	Orbital region	
SRT	T-D8650	Pastern of forefoot	FOREPASTERN
SRT	T-D9550	Pastern of hindfoot	HINDPASTERN
SRT	T-12730	Patella	PATELLA
SRT	T-D6000	Pelvis	PELVIS
SRT	T-12403	Radius and ulna	RADIUSULNA
SRT	T-11AD0	Sacrum	SSPINE
SRT	T-D2220	Shoulder	SHOULDER
SRT	T-11100	Skull	SKULL
SRT	T-15728	Stiffle	STIFLE

SRT	T-11096	Tarsus	TARSUS
SRT	T-11502	Thoracic spine	TSPINE
SRT	T-D00F8	Thoraco-lumbar spine	TLSPINE
SRT	T-12701	Tibia and fibula	TIBIAFIBULA
SRT	T-50110	Upper gastro-intestinal tract	UGITRACT
SRT	T-75000	Urethra	URETHRA
SRT	T-70000	Urinary tract	URINARYTRACT
SRT	T-D8040	Wing	WING