

### DICOM Correction Item

Correction Number	CP-523
Log Summary:	Rename cath templates for cardiovascular use in general
Type of Modification	Name of Standard
Addition	PS 3.4-2004 PS 3.16-2004
Rationale for Correction:	
<p>Several templates and context groups originally specified as part of cardiac cath procedure related SRs are renamed to be used for more general cardiovascular SRs, in particular for the MR/CT angiography SR.</p> <p>Additionally the scope of the CID 3715 is clarified to be Lesion Margin rather than Lesion Morphology. The Concept Name that uses that CID is also changed.</p>	
Sections of documents affected	
PS 3.4 Annex Q PS 3.16 Annexes A, B, K	
Correction Wording:	

**Rename References to CID 3486 in PS3.16 Annex A**

**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") \$Derivation = DCID (3488) Min/Max/Mean \$TargetSite = BCID (3486) <b>IVUS Vascular</b> 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) <b>IVUS Vascular</b> 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) <b>IVUS Vascular</b> Measurement Sites

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
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) <b>IVUS Vascular</b> 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) <b>IVUS Vascular</b> 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, "%")

**Rename CID 3486 in PS3.16 Annex B**

**CID 3486 IVUS Vascular Measurement Sites**

This context group is the set of sites where IVUS vascular measurements can be made.

**Context ID 3486**

**IVUS Vascular Measurement Sites**

**Type: Extensible**

**Version: 20040614**

Code Scheme	Code Value	Concept Name
DCM	122380	Proximal Reference
DCM	122381	Distal Reference
DCM	122382	Site of Lumen Minimum



**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		
...								
4	>	CONTAINS	INCLUDE	DTID (3602) <u>Cardiovascular</u> Patient Characteristics	1	U		
...								

**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		
...								
5	>	HAS ACQ CONTEXT	INCLUDE	DTID (3602) <u>Cardiovascular</u> Patient Characteristics	1	U		
...								

**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		
...								
4	>	HAS OBS CONTEXT	INCLUDE	DTID (3602) <u>Cath Cardiovascular</u> Patient Characteristics	1	M		
...								

**Rename and extend TID 3602 in PS3.16 Annex A**

**TID 3602**      **Cath Cardiovascular 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 3602**  
**Gath 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		
...								
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")
<u>11</u>	≥	<u>CONTAINS</u>	<u>NUM</u>	<u>EV (8867-4, LN, "Heart Rate")</u>	<u>1</u>	<u>U</u>		<u>UNITS = EV ("H.B./min", UCUM, "BPM")</u>
<u>12</u>	≥	<u>CONTAINS</u>	<u>NUM</u>	<u>EV (F-008EC, SRT, "Systolic Blood Pressure")</u>	<u>1</u>	<u>U</u>		<u>Units = DCID (3500)</u>
<u>13</u>	≥	<u>CONTAINS</u>	<u>NUM</u>	<u>EV (F-008ED, SRT, "Diastolic Blood Pressure")</u>	<u>1</u>	<u>U</u>		<u>Units = DCID (3500)</u>

**Rename References to TID 3802 in PS3.4**

**Q.4.3.3 SOP Classes**

The Relevant Patient Information Model SOP Classes in the Relevant Patient Information Query Service Class identify the Relevant Patient Information Model, and the DIMSE-C operation supported. In some instances a Root template is specified. The ~~following~~ Standard SOP Classes are ~~identified~~ defined in Table Q.4-2.

**Table Q.4-2**  
**SOP Classes for the Relevant Patient Information Model**

SOP Class Name	SOP Class UID	Root Template
General Relevant Patient Information Query	1.2.840.10008.5.1.4.37.1	TID 9007 General Relevant Patient Information, or from the list in PS 3.16
Breast Imaging Relevant Patient Information Query	1.2.840.10008.5.1.4.37.2	TID 9000 Relevant Patient Information for Breast Imaging
Cardiac Relevant Patient Information Query	1.2.840.10008.5.1.4.37.3	TID 3802 <u>Cardiovascular</u> Patient History, <del>Cath</del>

**Rename References to TID 3802 in PS3.16 Annex A**

**TID 3800**  
**Cardiac Catheterization Report Root**  
**Type: Extensible**

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	INCLUDE	DTID (3802) " <u>Cardiovascular</u> Patient History, <del>Cath</del> "	1	U		

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

**TID 3802 Cardiovascular Patient History, Cath**

This template contains information about the ~~catheterization~~ a cardiovascular patient's past medical history. This information is considered to have some degree of "persistence" across different episodes.

**TID 3802  
Cardiovascular Patient History, Cath  
 Type: Extensible**

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
...								

**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		
...								
12	>	CONTAINS	INCLUDE	DTID (3802) <u>Cardiovascular Patient History, Cath</u>	1	U		
13	>	CONTAINS	INCLUDE	DTID (351) Previous Reports	1	U		

**Rename References to TID 3802 in PS3.16 Annex K**

**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 3802 Cardiovascular Patient History, Cath

**Change Concept name and rename References to CID 3715 in PS3.16 Annex A**

**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
...								
9	>	HAS PROPERTIES	CODE	<del>EV (122133, DCM, "Lesion Morphology")</del> EV (F-01740, SRT, " <u>Lesion Margin Characteristics</u> ")	1	U		DCID (3715) Lesion <b>Morphology Margin</b>
10	>	HAS PROPERTIES	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		DCID (3712) Vessel Descriptors

**Rename and extend CID 3715 in PS3.16 Annex B**

**CID 3715      Lesion Morphology Margin**

**Context ID 3715  
 Lesion Morphology Margin**

**Type: Extensible      Version: 20030327yyymmdd**

Coding Scheme Designator	Code Value	Code Meaning
SRT	G-A545	Smooth
SRT	G-A402	Irregular
SRT	R-00335	Multiple Irregularities
<b><u>SRT</u></b>	<b><u>R-403CC</u></b>	<b><u>Ulcerative</u></b>