

DICOM Correction Item

Correction Number CP- 480	
Log Summary: Add MG Series Attribute for Screening/Diagnostic	
Type of Modification Addition	Name of Standard PS 3.3, 3.16 - 2004
<p>Rationale for Correction:</p> <p>When performing CAD on a series of digital mammography images, it is beneficial to know if the images for the exam were captured for screening or diagnostic purposes. Whether the images were being processed for the current exam or if the images were retrieved from a PACS, this information would be useful to CAD to perform different types of algorithms.</p> <p>It is preferred to use coded terminology. CP-409 added Reason for Requested Procedure Code Sequence (0040,100A) to the General Series module, but no context ID is defined. The proposal is to add this attribute to the Mammography Series module, with defined context IDs 6051 and 6055 (PS 3.16-2004).</p> <p>To achieve this requires factoring out and specializing the Request Attributes Sequence.</p>	
<p>Sections of documents affected</p> <p>PS 3.3 Sections 10, C.7.3.1, C.8.8.1, C.8.11.6</p> <p>PS 3.16 Annex B, CID 6051</p>	
Correction Wording:	

PS 3.3 Add Section 10-x Request Attributes Macro:

**Table 10-x
 REQUEST ATTRIBUTES MACRO ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
Requested Procedure ID	(0040,1001)	1	Identifier that identifies the Requested Procedure in the Imaging Service Request.
Reason for the Requested Procedure	(0040,1002)	3	Reason for requesting this procedure.
Reason for Requested Procedure Code Sequence	(0040,100A)	3	Coded Reason for requesting this procedure.
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>Context ID may be defined in the macro invocation.</i>	
Scheduled Procedure Step ID	(0040,0009)	1	Identifier that identifies the Scheduled Procedure Step.
Scheduled Procedure Step Description	(0040,0007)	3	Institution-generated description or classification of the Scheduled Procedure Step to be performed.
Scheduled Protocol Code Sequence	(0040,0008)	3	Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items.
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>Context ID may be defined in the macro invocation.</i>	
>Protocol Context Sequence	(0040,0440)	3	Sequence that specifies the context for the Scheduled Protocol Code Sequence Item.

			One or more items may be included in this sequence.
<i>>>Include 'Content Item Macro' Table 10-2</i>		<i>Context ID may be defined in the macro invocation.</i>	
>> Content Item Modifier Sequence	(0040,0441)	3	Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1.
<i>>>>Include 'Content Item Macro' Table 10-2</i>		<i>Context ID may be defined in the macro invocation.</i>	

PS 3.3 C.7.3.1 Factor out Request Attributes Macro from General Series Module:

C.7.3.1 General Series Module

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**Table C.7-5a
GENERAL SERIES MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...
Request Attributes Sequence	(0040,0275)	3	Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items.
<i>>Include Table 10-x Request Attributes Macro</i>		<i>No Baseline Context IDs defined</i>	
>Requested Procedure ID	(0040,1001)	1C	Identifier that identifies the Requested Procedure in the Imaging Service Request. Required if Sequence Item is present.
>Reason for the Requested Procedure	(0040,1002)	3	Reason for requesting this procedure.
>Reason for Requested Procedure Code Sequence	(0040,100A)	3	Coded Reason for requesting this procedure.
<i>>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>	
>Scheduled Procedure Step ID	(0040,0009)	1C	Identifier that identifies the Scheduled Procedure Step. Required if Sequence Item is present.
>Scheduled Procedure Step Description	(0040,0007)	3	Institution-generated description or classification of the Scheduled Procedure Step to be performed.
>Scheduled Protocol Code Sequence	(0040,0008)	3	Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items.
<i>>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>	

>>Protocol Context Sequence	(0040,0440)	3	Sequence that specifies the context for the Scheduled Protocol Code Sequence Item. One or more items may be included in this sequence.
>>>Include 'Content Item Macro' Table 10-2		No Baseline Template is defined.	
>>> Content Item Modifier Sequence	(0040,0441)	3	Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1.
>>>>Include 'Content Item Macro' Table 10-2		No Baseline Template is defined.	
Performed Procedure Step ID	(0040,0253)	3	User or equipment generated identifier of that part of a Procedure that has been carried out within this step.

PS 3.3 C.8.8.1 Factor out Request Attribute Macro from RT Series Module Attributes

C.8.8.1 RT Series Module

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Table C.8-37 - RT SERIES MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
...
Request Attributes Sequence	(0040,0275)	3	Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items.
>Include Table 10-x Request Attributes Macro		No Baseline Context IDs defined	
>Requested Procedure ID	(0040,1001)	1C	Identifier which identifies the Requested Procedure in the Imaging Service Request. Required if Sequence Item is present.
>Scheduled Procedure Step ID	(0040,0009)	1C	Identifier which identifies the Scheduled Procedure Step. Required if Sequence Item is present.
>Scheduled Procedure Step Description	(0040,0007)	3	Institution-generated description or classification of the Scheduled Procedure Step to be performed.
>Scheduled Protocol Code Sequence	(0040,0008)	3	Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items.
>>Include 'Code Sequence Macro' Table 8.8-1		No Baseline Context ID is defined.	
>>Protocol Context Sequence	(0040,0440)	3	Sequence that specifies the context for the Scheduled Protocol Code Sequence

			Item. One or more items may be included in this sequence.
>>>Include 'Content Item Macro' Table 10-2		No Baseline Template is defined.	
>>> Content Item Modifier Sequence	(0040,0441)	3	Sequence that specifies modifiers for a Protocol Context Content Item. One or more items may be included in this sequence. See Section C.4.10.1.
>>>>Include 'Content Item Macro' Table 10-2		No Baseline Template is defined.	
Performed Procedure Step ID	(0040,0253)	3	User or equipment generated identifier of that part of a Procedure that has been carried out within this step.
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Add to PS 3.3, Table C.8-73 Mammography Series Module Attributes

C.8.11.6 Mammography Series Module

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Table C.8-73
MAMMOGRAPHY SERIES MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
Modality	(0008,0060)	1	Type of equipment that originally acquired the data used to create the images in this Series. Enumerated Value: MG See section C.7.3.1.1.1 for further explanation.
<u>Request Attributes Sequence</u>	<u>(0040,0275)</u>	<u>3</u>	<u>Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items.</u>
<u>>Include Table 10-x Request Attributes Macro</u>		<u>For Reason for Requested Procedure Code Sequence (0040,100A) the Baseline Context IDs are 6051 and 6055. No Baseline Context IDs are defined for other Attributes.</u> <u>Note: For example, Requested Procedure Code Sequence (0040,100A) may be used to convey whether the images in the Series were taken for screening or diagnostic purposes.</u>	
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Modify PS 3.16, Annex B, Modify CID 6051

CID 6051 Breast Procedure Reason

Context ID 6051

Breast Procedure Reason

Type: Extensible Version: 20040112-20050110

Note: Some of these terms were obtained from BI-RADS®

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
<i>Include CID 6061</i>		
SRT	R-42453	Screening
DCM	111415	Additional evaluation requested from prior outside 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 at current screening
SRT	P5-C0610	Brachytherapy
DCM	111420	History of benign breast biopsy
DCM	111421	Personal history of breast cancer with breast conservation therapy