

DICOM Correction Item

Correction Number	CP-393
Log Summary: Add Partial View Code Sequence	
Type of Modification	Name of Standard
Clarification	PS 3.3, PS 3.6, PS 3.16 2004
Rationale for Correction <p>In CP-193, Partial View and Partial View Description attributes were added to the Mammography Image module of the Digital Mammography X-Ray Image IOD. At the time, the Partial View Description attribute was created as free text, because we did not have sufficient knowledge or agreement on a common representation of the section of the breast contained in the image. This prevents any automated inference from being made as to the section of the breast contained in a partial view.</p> <p>To enable automated interpretation of Partial View images, specifically for CAD purposes and workstation hanging protocols, we propose adding a code sequence attribute that will allow the inclusion of one or two codes that define the section of the breast that the partial view represents.</p> <p>This correction proposal adds one attribute the Mammography Image Module and registry of data elements, and adds one new context group.</p>	
Sections of documents affected PS 3.3, PS 3.6, PS 3.16	
Correction Wording:	

Add Partial View Code Sequence to PS 3.3, Section C.8.11.7 Mammography Image Module:

C.8.11.7 Mammography Image Module

...

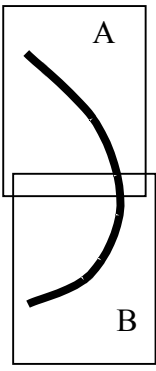
**Table C.8-70
MAMMOGRAPHY IMAGE MODULE ATTRIBUTES**

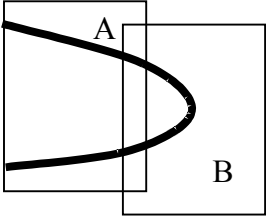
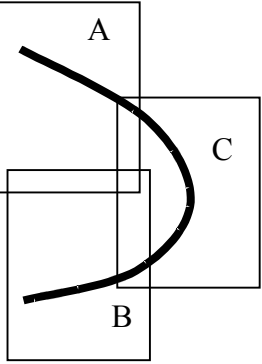
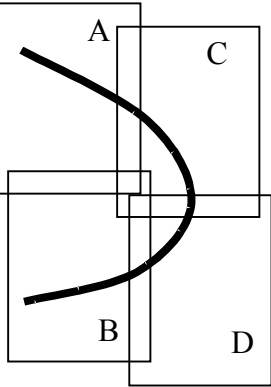
Attribute Name	Tag	Type	Attribute Description
...			
Partial View Description	(0028,1351)	3	Free text description of the portion of the breast captured in a partial view image.
<u>Partial View Code Sequence</u>	<u>(0028,1352)</u>	3	<u>Sequence that describes the portion or section of the breast captured in a partial view image. One or two Items may be present. See C.8.11.7.1.1.</u> <u>If this Attribute is absent, then the image may or may not be a partial view.</u>
<u>>Include 'Code Sequence Macro' (Table 8.8-1).</u>			<u>Defined Context ID is 4005</u>

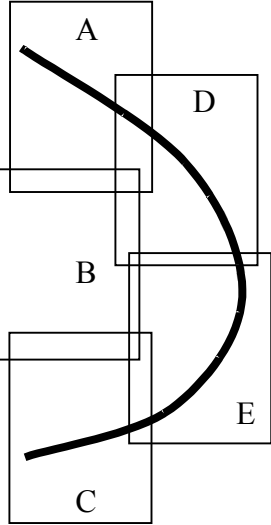
C.8.11.7.1 Mammography Image Attribute Descriptions

C.8.11.7.1.1 Partial View Code Sequence

The following combinations of coded terms may be used to express the breast sections, for example, for the left cranio-caudal (L CC) view. These terms would also apply to the R CC, and the right and left FB, XCC, XCCL and XCCM views:

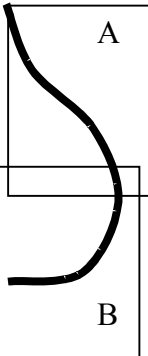
Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
A) item 1 = Lateral B) item 1 = Medial	axilla 

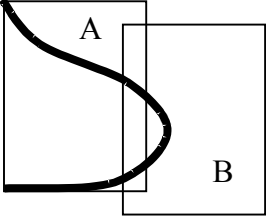
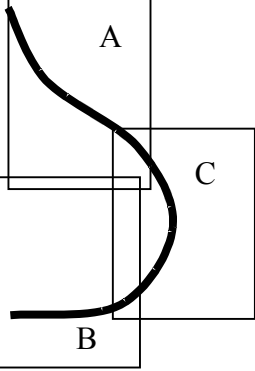
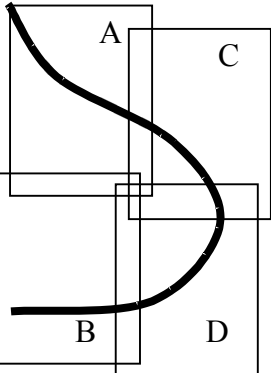
Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
A) item 1 = Posterior B) item 1 = Anterior	axilla 
A) item 1 = Lateral, item 2 = Posterior B) item 1 = Medial, item 2 = Posterior C) item1 = Anterior	axilla 
A) item 1 = Lateral, item 2 = Posterior B) item 1 = Medial, item 2 = Posterior C) item 1 = Lateral, item 2 = Anterior D) item 1 = Medial, item 2 = Anterior	axilla 

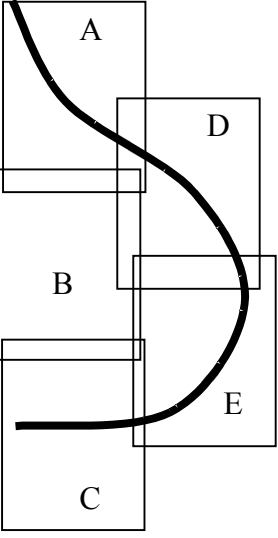
Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
A) item 1 = Lateral, item 2 = Posterior B) item 1 = Central, item 2 = Posterior C) item 1 = Medial, item 2 = Posterior D) item 1 = Lateral, item 2 = Anterior E) item 1 = Medial, item 2 = Anterior	axilla 

Note: If six images are required, then the “Central, Anterior” combination would be added.

The following combinations of coded terms may be used to express the breast sections, for example, for the left medio-lateral oblique (L MLO) view. These terms would also apply to the R MLO, and to the right and left LM, ML, LMO, and SIO views:

Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
A) item 1 = Superior B) item 1 = Inferior	axilla 

Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
A) item 1 = Posterior B) item 1 = Anterior	axilla  <p>The diagram shows a thick black curved line representing the axilla. A vertical rectangular box labeled 'A' is positioned on the left side of the curve. A horizontal rectangular box labeled 'B' is positioned on the right side of the curve, overlapping the right edge of box A.</p>
A) item 1 = Superior, item 2 = Posterior B) item 1 = Inferior, item 2 = Posterior C) item 1 = Anterior	axilla  <p>The diagram shows the axilla curve. Box 'A' is a vertical rectangle on the left. Box 'B' is a horizontal rectangle at the bottom, overlapping the bottom edge of box A. Box 'C' is a horizontal rectangle on the right, overlapping the right edge of box A.</p>
A) item 1 = Superior, item 2 = Posterior B) item 1 = Inferior, item 2 = Posterior C) item 1 = Superior, item 2 = Anterior D) item 1 = Inferior, item 2 = Anterior	axilla  <p>The diagram shows the axilla curve. Box 'A' is a vertical rectangle on the left. Box 'B' is a horizontal rectangle at the bottom, overlapping the bottom edge of box A. Box 'C' is a horizontal rectangle on the right, overlapping the right edge of box A. Box 'D' is a horizontal rectangle at the bottom, overlapping the bottom edge of box B.</p>

Partial View Code Sequence Items (Code Meaning)	Partial View Images (A, B, C, D, E)
<p>A) item 1 = Superior, item 2 = Posterior</p> <p>B) item 1 = Central, item 2 = Posterior</p> <p>C) item 1 = Inferior, item 2 = Posterior</p> <p>D) item 1 = Superior, item 2 = Anterior</p> <p>E) item 1 = Inferior, item 2 = Anterior</p>	<p>axilla</p> 

Note: If six images are required, then the “Central, Anterior” combination would be added.

Add Partial View Code Sequence to PS 3.6, Section 6 Registry of DICOM data elements:

Tag	Name	VR	VM
<u>(0028,1352)</u>	<u>Partial View Code Sequence</u>	<u>SQ</u>	<u>1</u>

Add Context Group to PS 3.16, Annex B:

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

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-4094A	Inferior
SRT	R-404D5	Medial
SRT	G-A104	Lateral
SRT	G-A110	Central