

## DICOM Correction Item

Correction Number CP-889	
Log Summary: Stereotactic Information for Mammography	
Type of Modification Addition	Name of Standard PS 3.3-2008
<p>Rationale for Correction:</p> <p>Improve identification for stereotactic images in mammography.</p> <p>Now that digital stereotactic biopsy images are being displayed on softcopy review workstations based on automated hanging protocols, it is necessary to define labeling so that stereo images can be identified separately from FFDM images and displayed correctly.</p> <p>The ACR Subcommittee on QA that is creating a QC manual for digital mammography, the ACR BI-RADS® Committee, and the ACR Stereotactic Breast Biopsy Committee have approved the proposed terms and labeling.</p>	
Sections of documents affected PS 3.3, C.8.11.7	
Correction Wording:	
<i>Update PS 3.3, C.8.11.7:</i>	

### C.8.11.7 Mammography Image Module

Table C.8-74 contains IOD Attributes that describe a Digital -Mammography X-Ray Image including its acquisition and positioning.

**Table C.8-74  
MAMMOGRAPHY IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
<u>Image Type</u>	<u>(0008,0008)</u>	<u>1</u>	<u>Image identification characteristics.</u> <u>See C.8.11.7.1.4 for specialization.</u>
Positioner Type	(0018,1508)	1	Enumerated Values: MAMMOGRAPHIC NONE
...			

#### C.8.11.7.1 Mammography Image Attribute Descriptions

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##### C.8.11.7.1.4 Image Type

Value 1 and Value 2 shall identify the Pixel Data Characteristics in accordance with Section C.8.11.3.1.1.

Value 3 shall be present and have zero length (null value), except when used to identify a stereotactic mammography image.

Note: In a previous version of PS 3.3, Value 3 was required to be zero length (null value). If Value 3 is zero length, the image may or may not be a stereotactic mammography image, if the Instance was created before these terms were defined.

The Enumerated Values for Value 3 of stereotactic mammography images are:

Enumerated Value	Definition	ACR MQCM Equivalent
<u>STEREO_SCOUT</u>	<u>A localizer image for a stereotactic acquisition.</u>	<u>...SC</u>
<u>STEREO_MINUS</u>	<u>The paired image obtained with the X-Ray source angle decreased from the scout position, to determine positioning coordinates prior to needle positioning.</u>	<u>...ST-</u>
<u>STEREO_PLUS</u>	<u>The paired image obtained with the X-Ray source angle increased from the scout position, to determine positioning coordinates prior to needle positioning.</u>	<u>...ST+</u>
<u>PREFIRE_MINUS</u>	<u>The paired image obtained with the X-Ray source angle decreased from the scout position, with the biopsy needle in position prior to needle deployment.</u>	<u>...PRF-</u>
<u>PREFIRE_PLUS</u>	<u>The paired image obtained with the X-Ray source angle increased from the scout position, with the biopsy needle in position prior to needle deployment.</u>	<u>...PRF+</u>
<u>POSTFIRE_MINUS</u>	<u>The paired image obtained with the X-Ray source angle decreased from the scout position, with the biopsy needle in position following needle deployment through the targeted lesion.</u>	<u>...POF-</u>
<u>POSTFIRE_PLUS</u>	<u>The paired image obtained with the X-Ray source angle increased from the scout position, with the biopsy needle in position following needle deployment through the targeted lesion.</u>	<u>...POF+</u>
<u>POSTBIOPSY_MINUS</u>	<u>The image obtained following tissue acquisition with the X-Ray source angle decreased from the scout position.</u>	<u>...POB-</u>
<u>POSTBIOPSY_PLUS</u>	<u>The image obtained following tissue acquisition with the X-Ray source angle increased from the scout position.</u>	<u>...POB+</u>
<u>POSTBIOPSY</u>	<u>The image obtained following tissue acquisition with the X-Ray source in the scout position.</u>	<u>...POB</u>