

DICOM Correction Item

Correction Number CP-424	
Log Summary: Clarify specializations of Referenced Image Sequence	
Type of Modification	Name of Standard
Clarification	PS 3.3 2003
<p>Rationale for Correction:</p> <p>With the addition of the Purpose of Reference Code Sequence to the Referenced Image Sequence in the General Image Module (Sup 49), it is unclear whether specializations of the Referenced Image Sequence in modality-specific modules include or exclude the Purpose of Reference Code Sequence.</p> <p>The Purpose of Reference Code Sequence is added to the X-Ray and VL Image modules. Further, conditionality is clarified in accordance with CP 312, and number of sequence items is clarified in accordance with CP 44.</p> <p>Where only a single item is allowed to be sent to identify the other plane or stereo view of a pair, the restriction is lifted if there is an explicit purpose of reference.</p>	
Sections of documents affected	
PS 3.3	
Correction Wording:	

Table C.8-26
X-RAY IMAGE MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
...			
Referenced Image Sequence	(0008,1140)	1C	A sequence which provides reference to a set of Image SOP Class/Instance identifying other images significantly related to this image. Shall be used to relate each plane to the corresponding plane present if Image Type (0008,0008) Value 3 is BIPLANE A or BIPLANE B; may be present otherwise. One or more items may be included in this sequence. When relating to the corresponding plane of a Biplane acquisition, only a single item shall be present. See Section C.8.7.1.1.12.
> Referenced SOP Class UID	(0008,1150)	1C	Uniquely identifies the referenced SOP Class. Required if Referenced Image Sequence (0008,1140) is sent.
> Referenced SOP Instance UID	(0008,1155)	1C	Uniquely identifies the referenced SOP Instance. Required if Referenced Image Sequence (0008,1140) is sent.
>Referenced Frame Number	(0008,1160)	3	References one or more image frames of a Multi-frame Image SOP Instance, identifying which frames are significantly related to this image, if the reference is not to all frames. Note: If this Attribute is not present, all frames of the SOP Instance are referenced.
>Purpose of Reference Code Sequence	(0040,A170)	3	Describes the purpose for which the reference is made. Only a single item shall be permitted in this sequence.
>>Include 'Code Sequence Macro' Table 8.8-1			Defined Context ID is 7201.
...			

C.8.7.1.1.12 Referenced Image Sequence

When Image Type (0008,0008) Value 3 is BIPLANE A or BIPLANE B, Referenced Image Sequence (0008,1140) shall be used to identify the corresponding SOP Instance of the Biplane acquisition. In this case, either:

- **only a single item shall be present, or**
- **multiple items may be present, each with the Purpose of Reference Code Sequence (0040,A170) present, and only the first item having the Purpose of Reference value (121314, DCM, "Other image of biplane pair").**

**Table C.8.12.1-1
 VL IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...			
Referenced Image Sequence	(0008,1140)	1C	<p>A sequence which provides that references to a set of Image SOP Class/Instance identifying other images significantly related to this image. One or more items may be included in this sequence.</p> <p>Shall be used to relate each of a stereo pair to the other member of the pair.</p> <p>Required if Image Type (0008,0008) Value 3 is present and has a value of "STEREO L" or "STEREO R". May also be present otherwise. See Section C.8.12.1.1.7.</p> <p>Encoded as a sequence of items: (0008,1150) and (0008,1155). When used to relate members of a stereo pair, only a single item shall be present.</p>
> Referenced SOP Class UID	(0008,1150)	1C	<p>Uniquely identifies the referenced SOP Class. Required if Referenced Image Sequence (0008,1140) is present.</p>
> Referenced SOP Instance UID	(0008,1155)	1C	<p>Uniquely identifies the referenced SOP Instance. Required if Referenced Image Sequence (0008,1140) is present.</p>
>Referenced Frame Number	(0008,1160)	3	<p>References one or more image frames of a Multi-frame Image SOP Instance, identifying which frames are significantly related to this image, if the reference is not to all frames.</p> <p>Note: If this Attribute is not present, all frames of the SOP Instance are referenced.</p>
>Purpose of Reference Code Sequence	(0040,A170)	3	<p>Describes the purpose for which the reference is made. Only a single item shall be permitted in this sequence.</p>
>>Include 'Code Sequence Macro' Table 8.8-1			Defined Context ID is 7201.

C.8.12.1.1.7 Referenced Image Sequence

When Image Type (0008,0008) Value 3 is STEREO L or STEREO R, Referenced Image Sequence (0008,1140) shall be used to identify the corresponding SOP Instance of the Stereoscopic acquisition. In this case, either:

- **only a single item shall be present, or**
- **multiple items may be present, each with the Purpose of Reference Code Sequence (0040,A170) present, and only the first item having the Purpose of Reference value (121315, DCM, "Other image of stereoscopic pair").**