

DICOM Correction Item

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| Correction Number | | CP-634 |
| Log Summary: Make Anatomic Region Sequence Type 1 for Enhanced Frame Anatomy | | |
| Type of Modification | Name of Standard | |
| Correction | PS 3.3 2006 | |
| <p>Rationale for Correction</p> <p>Anatomic Region Sequence is Type 2 in the mandatory Frame Anatomy functional group in enhanced images; unfortunately, even though the semantics of Type 2 requires a value unless it is "unknown", early prototype implementations are sending nothing in this attribute even when the anatomy is know.</p> <p>Since a coded specification of the anatomy imaged is vital for effective hanging of images downstream, it is proposed to make this attribute Type 1, since it is inconceivable that a contemporary CT or MR device would not be capable of obtaining this information from the selected protocol or the operator.</p> <p>Accordingly the use of the General Anatomy Required Macro is changed to the use of the General Anatomy Required Macro.</p> | | |
| Sections of documents affected | | |
| PS 3.3 C.7.6.16.2.8 | | |
| Correction Wording: | | |

10.5 GENERAL ANATOMY MACROS

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**Table 10-5
 GENERAL ANATOMY MANDATORY MACRO ATTRIBUTES**

| Attribute Name | Tag | Type | Attribute Description |
|--|-------------|---|---|
| Anatomic Region Sequence | (0008,2218) | 1 | Sequence that identifies the anatomic region of interest in this Instance (i.e. external anatomy, surface anatomy, or general region of the body). Only a single Item shall be permitted in this sequence. |
| >Include 'Code Sequence Macro' Table 8.8-1 | | <i>Context ID may be defined in the macro invocation.</i> | |
| >Anatomic Region Modifier Sequence | (0008,2220) | 3 | Sequence of Items that modifies the anatomic region of interest of this Instance One or more Items may be included in this Sequence. |
| >>Include 'Code Sequence Macro' Table 8.8-1 | | <i>Defined Context ID is 2, unless otherwise defined in the macro invocation.</i> | |
| Include 'Primary Anatomic Structure Macro' Table 10- | | <i>Context ID may be defined in the macro</i> | |

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| 8 | <i>invocation.</i> |
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Table 10-6
GENERAL ANATOMY REQUIRED MACRO ATTRIBUTES

| Attribute Name | Tag | Type | Attribute Description |
|--|-------------|---|---|
| Anatomic Region Sequence | (0008,2218) | 2 | Sequence that identifies the anatomic region of interest in this Instance (i.e. external anatomy, surface anatomy, or general region of the body). Zero or one Item may be present in this Sequence. |
| <i>>Include 'Code Sequence Macro' Table 8.8-1</i> | | <i>Context ID may be defined in the macro invocation.</i> | |
| <i>>Anatomic Region Modifier Sequence</i> | (0008,2220) | 3 | Sequence of Items that modifies the anatomic region of interest of this Instance One or more Items may be included in this Sequence. |
| <i>>>Include 'Code Sequence Macro' Table 8.8-1</i> | | <i>Defined Context ID is 2, unless otherwise defined in the macro invocation.</i> | |
| <i>Include 'Primary Anatomic Structure Macro' Table 10-8</i> | | <i>Context ID may be defined in the macro invocation.</i> | |

C.7.6.16.2.8 Frame Anatomy Macro

Table C.7.6.16-9 specifies the attributes of the Frame Anatomy Functional Group macro.

**Table C.7.6.16-9
 FRAME ANATOMY MACRO ATTRIBUTES**

| Attribute Name | Tag | Type | Attribute Description |
|---|-------------|-------------|--|
| Frame Anatomy Sequence | (0020,9071) | 1 | Identifies anatomic characteristics of this frame. Only a single Item shall be permitted in this sequence. |
| >Frame Laterality | (0020,9072) | 1 | <p>Laterality of (possibly paired) body parts (as described in Anatomic Region Sequence (0008,2218)) examined.</p> <p>Enumerated Values: R = right L = left U = unpaired B = both left and right</p> <p>Note: This Attribute is mandatory, in order to ensure that frames may be positioned correctly relative to one another for display.</p> <p>Shall be consistent with any laterality information contained in Primary Anatomic Structure Modifier Sequence (0008,2230), if present.</p> |
| <p>>Include 'General Anatomy Required Mandatory Macro' Table 40-6 10-5</p> | | | <p>Defined Context ID for the Anatomic Region Sequence is 4030.</p> <p>Defined Context ID for Anatomic Region Sequence (0008,2218) and Primary Anatomic Structure Modifier Sequence (0008,2230) is 2.</p> |