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8	Correction Number CP-1885	
9	Log Summary: Correct conflict in number of values between General Anatomy Optional and Required Macros causing conflict in DX introduced by CP 1744	
10		
11	Name of Standard	
12	PS3.3	
13	Rationale for Correction:	
14	CP 1744 added the General Anatomy Optional Macro to the General Image Module (Anatomic Region Sequence is Type 3 so if present must have a value) without realizing that this would cause a conflict in DX family IODs that use the DX Anatomy Module that invokes the General Anatomy Required Macro (Anatomic Region Sequence is Type 2 and may be empty).	
15		
16		
17	Resolve the conflict by instatinating the Attributes of the Macro inline and using a type and condition on Anatomic Region Sequence that allows an empty value when using in an IOD that invokes the General Anatomy Required Macro.	
18		
19	Correction Wording:	

Amend DICOM PS3.3 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

10.5 General Anatomy Macros

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 included in this Sequence.
>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>CID 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 are permitted in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>DCID 2, unless otherwise defined in the Macro invocation.</i>
Include Table 10-8 "Primary Anatomic Structure Macro Attributes"			<i>CID may be defined in the Macro invocation.</i>

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 shall be included in this Sequence.
>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>CID 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 are permitted in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>DCID 2, unless otherwise defined in the Macro invocation.</i>
Include Table 10-8 "Primary Anatomic Structure Macro Attributes"			<i>CID may be defined in the Macro invocation.</i>

Table 10-7. General Anatomy Optional Macro Attributes

Attribute Name	Tag	Type	Attribute Description
Anatomic Region Sequence	(0008,2218)	3	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 is permitted in this Sequence.
>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>CID 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 are permitted in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>DCID 2, unless otherwise defined in the Macro invocation.</i>

Attribute Name	Tag	Type	Attribute Description
<i>Include Table 10-8 "Primary Anatomic Structure Macro Attributes"</i>			<i>CID may be defined in the Macro invocation.</i>

Table 10-7b. Multiple Site General Anatomy Optional Macro Attributes

Attribute Name	Tag	Type	Attribute Description
Anatomic Region Sequence	(0008,2218)	3	Sequence that identifies the anatomic region of interest in this Instance (i.e., external anatomy, surface anatomy, or general region of the body). One or more Items are permitted in this Sequence.
<i>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>CID 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 in this Instance One or more Items are permitted in this Sequence.
<i>>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>DCID 2, unless otherwise defined in the Macro invocation.</i>
<i>Include Table 10-8 "Primary Anatomic Structure Macro Attributes"</i>			<i>CID may be defined in the Macro invocation.</i>

Table 10-8. Primary Anatomic Structure Macro Attributes

Attribute Name	Tag	Type	Attribute Description
Primary Anatomic Structure Sequence	(0008,2228)	3	Sequence of Items that identifies the primary anatomic structure(s) of interest in this Instance. One or more Items are permitted in this Sequence.
<i>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>CID may be defined in the Macro invocation.</i>
<i>>Primary Anatomic Structure Modifier Sequence</i>	(0008,2230)	3	Sequence of Items that modifies the primary anatomic structure of interest in this Instance. One or more Items are permitted in this Sequence.
<i>>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>DCID 2.</i>

C.7.6.1 General Image Module

Table C.7-9. General Image Module Attributes

Attribute Name	Tag	Type	Attribute Description
<i>Include Table 10-7 "General Anatomy Optional Macro Attributes"</i>			<i>Baseline CID for the Anatomic Region Sequence is CID 4031 for humans and CID 7483 for animals.</i>
<u>Anatomic Region Sequence</u>	<u>(0008,2218)</u>	<u>2C</u>	<u>Sequence that identifies the anatomic region of interest in this Instance (i.e., external anatomy, surface anatomy, or general region of the body).</u> <u>Zero or one Item shall be included in this Sequence.</u> <u>Required if the IOD invokes the General Anatomy Required Macro in the top level Data Set. May be present otherwise.</u>
<i>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>Baseline CID for the Anatomic Region Sequence is CID 4031 for humans and CID 7483 for animals.</i>

Attribute Name	Tag	Type	Attribute Description
>Anatomic Region Modifier Sequence	(0008,2220)	3	<u>Sequence of Items that modifies the anatomic region of interest of this Instance.</u> <u>One or more Items are permitted in this Sequence.</u>
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			<i>DCID 2, unless otherwise defined in the Macro invocation.</i>
Include Table 10-8 "Primary Anatomic Structure Macro Attributes"			<i>No Baseline CID is defined.</i>

C.8.11.2 DX Anatomy Imaged Module

Table C.8-69. DX Anatomy Imaged Module Attributes

Attribute Name	Tag	Type	Attribute Description
<i>Include Table 10-6 "General Anatomy Required Macro Attributes"</i>			<i>Defined CID for the Anatomic Region Sequence is CID 4009 for humans, and CID 7482 for animals. This is the anatomic region that is placed on the table or bucky for examination.</i> Note It is strongly recommended that Anatomic Region Sequence (0008,2218) be present with a value, in order to ensure that images may be positioned correctly relative to one another for display.

C.8.11.2.1 DX Anatomy Imaged Attribute Descriptions

The Attributes in this Module extend the function of Body Part Examined (0018,0015) as used in other IODs, and are intended to be used to facilitate the management of images and Series in terms of routing, storage and display, as well as to dictate certain Conditions on Attributes and Modules in the DX IOD.