

### DICOM Correction Item

Correction Number		CP-674
Log Summary: Group arterial analysis reference points into Container		
Type of Modification	Name of Standard	
Modification	PS 3.16 2006	
Rationale for Correction		
<p>Template 3215 provides for identifying a set of reference points for arterial lesion analysis. However, the semantics of the content item (simply "Relative Position") does not convey that these relative positions are the reference points for the analysis. This change encapsulates those identified points into a container that explicitly classifies them as "Reference Points".</p> <p>The Diameter Graph container in TID 3215 is also corrected to make its contents mandatory, and to move two measurements that are not formally part of the graph out of the container.</p>		
Sections of documents affected		
PS 3.16 Annex B		
Correction Wording:		

**TID 3215      Angiographic Lesion Analysis Template**

**TID 3215  
ANGIOGRAPHIC LESION ANALYSIS  
Type: Extensible**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...								
7	>	CONTAINS	CODE	EV (122430, DCM, "Reference Method")	1	M		DCID (3465) QA Reference Method
<del>8</del>	>	<b>CONTAINS</b>	<b>CONTAINER</b>	<b>EV (122438, DCM, "Reference Points")</b>	<b>1</b>	<b>U</b>		
<del>89</del>	>	CONTAINS	NUM	EV (122337, DCM, "Relative Position")	1-n	<del>UM</del>		\$Unit = DT (mm, UCUM, "mm")
<del>9</del> <del>10</del>	>>>	HAS PROPERTIES	INCLUDE	DTID (300) Measurement	1	U		\$Measurement = EV (G-0364, SRT, "Vessel Luminal Diameter") \$Unit = DT (mm, UCUM, "mm")
<del>40</del> <del>11</del>	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		\$Measurement = EV (G-0364, SRT, "Vessel Luminal Diameter") \$TargetSite = (122382, DCM, "Site of Luminal Minimum") \$Unit = DT (mm, UCUM, "mm")
...								
<del>45</del> <del>16</del>	>	CONTAINS	CONTAINER	EV (122517, DCM, "Densitometrical Luminal Cross-sectional Area Graph")	1	U		
<del>46</del> <del>17</del>	>>	CONTAINS	NUM	EV (122511, <del>SUP76</del> <b>DCM</b> , "Graph Increment")	1	M		Value = 1 Units = DT ({pixels}, UCUM, "pixels")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
<del>17</del> <b>18</b>	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	<del>UM</del>		\$Measurement = EV (G-0366, SRT, "Vessel Lumen Cross-Sectional Area") \$Unit = (mm2, UCUM, "mm^2")
<del>18</del> <b>19</b>	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		\$Measurement = EV (G-0366, SRT, "Vessel Lumen Cross-Sectional Area") \$Derivation = EV (R-41D2D, SRT, "Calculated") <b>\$Method = EV(122474, DCM, "Densitometric method")</b> \$TargetSite = EV (122481, DCM, "Contour Start") \$Unit = (mm2, UCUM, "mm^2")
<del>19</del> <b>20</b>	>>	CONTAINS	INCLUDE	DTID (300) Measurement	1	U		\$Measurement = EV (G-0366, SRT, "Vessel Lumen Cross-Sectional Area") \$Derivation = EV (R-41D2D, SRT, "Calculated") <b>\$Method = EV(122474, DCM, "Densitometric method")</b> \$TargetSite = EV (122482, DCM, "Contour End") \$Unit = (mm2, UCUM, "mm^2")
<del>20</del> <b>21</b>	>	CONTAINS	INCLUDE	DTID (300) Measurement	1	M		\$Measurement = EV (R-101BC, SRT, "Lesion Length") \$Unit = DT (mm, UCUM, "mm")
...								

**Content Item Descriptions**

Row 8	<u>Set of u</u> ser defined reference positions for method that requires local reference position.
<b>Row 9</b>	<b><u>Distance of local reference position from an arbitrary landmark.</u></b>
Row <del>9</del> <b>10</b>	Diameter at a local reference position.
Row <del>10</del> <b>11</b>	The reference diameter for the arterial lesion calculated with the applicable reference method
...	

*Note to editor: renumber template rows and description references consistent with row insertion*

**DICOM Code Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")**

Code Value	Code Meaning	Definition	Notes
...			
122517	Densitometrical Luminal Cross-sectional Area Graph	Ordered set of cross-sectional Vessel Lumen Cross-Sectional Area values derived from contours (direction proximal to distal) based on densitometric method	

...			
<u>122438</u>	<u>Reference Points</u>	<u>Container for spatial locations or coordinates used for calculation</u>	