

DICOM Correction Item

Correction Number CP 724	
Log Summary: Add Terms to Calculated Value & Methods CIDs	
Type of Modification Addition	Name of Standard PS 3.16 2007
Rationale for Correction: <p>Clinical interest has been raised in support of providing in Mammography CAD results the average distance of individual calcifications in a calcification cluster and the standard deviation distance of individual calcifications in a calcification cluster. These values could be computed from 2-D space, for example Digital Mammography X-Ray, or 3-D space, for example Breast Tomosynthesis.</p> <p>This Correction Proposal adds new terms to context groups CID 6142 and CID 6140.</p>	
Sections of documents affected PS 3.16 Annex B, Annex D	
Correction Wording:	

Modify PS 3.16, Annex B

CID 6140 Calculation Methods

Context ID 6140
Calculation Methods
 Type: Extensible Version: 2005014020070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	R-10260	Estimated
DCM	112187	Unspecified method of calculation
DCM	112055	Agatston scoring method
DCM	112056	Volume scoring method
DCM	112057	Mass scoring method
<u>DCM</u>	<u>xxxxx7</u>	<u>Two-dimensional method</u>
<u>DCM</u>	<u>xxxxx8</u>	<u>Three-dimensional method</u>

CID 6142 Calculated Value

Context ID 6142
Calculated Value
 Type: Extensible Version: 2005032420070625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	112017	Cavity extent as percent of volume
DCM	112018	Calcification extent as percent of surface
DCM	112019	Calcification extent as percent of volume
DCM	112058	Calcium score
DCM	112191	Breast tissue density
DCM	112192	Volume of parenchymal tissue
DCM	112193	Volume of breast
DCM	112194	Mass of parenchymal tissue
DCM	112195	Mass of breast
<u>DCM</u>	<u>112196</u>	<u>Area of Vascular Calcification</u>
<u>DCM</u>	<u>112197</u>	<u>Volume of Vascular Calcification</u>
<u>DCM</u>	<u>112198</u>	<u>Percentage of Vascular Calcification</u>
<u>DCM</u>	<u>112199</u>	<u>Mass of Vascular Calcification</u>
<u>DCM</u>	<u>112200</u>	<u>Average calcification distance in a calcification cluster</u>
<u>DCM</u>	<u>112201</u>	<u>Standard deviation distance of calcifications in a cluster</u>

Add to PS 3.16, Annex D

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

Code Value	Code Meaning	Definition
<u>112200</u>	<u>Average calcification distance in a calcification cluster</u>	<u>The average nearest neighbor distance of all individual microcalcifications in a cluster.</u>
<u>112201</u>	<u>Standard deviation distance of calcifications in a cluster</u>	<u>The standard deviation of nearest neighbor distance of all individual microcalcifications in a cluster.</u>
<u>112188</u>	<u>Two-dimensional method</u>	<u>The calculation method was performed in two-dimensional space.</u>
<u>112189</u>	<u>Three-dimensional method</u>	<u>The calculation method was performed in three-dimensional space.</u>