

DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2018/03/25
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Correction Number	CP-Add-OCTA-Algorithm-Family-Code
Log Summary:	Add a new code to CID 4270 OCT-A Algorithm Families for ratio analysis
Name of Standard	PS3.16
Rationale for Correction:	A new algorithm family is being used in the OCT-A eye care domain to perform "ratio analysis"
Correction Wording:	

Update CID 4270 to include new code for OCT-A ratio analysis

CID 4270 OCT-A Processing Algorithm Families

Type: Extensible

Version: ~~20170405~~ yyyymmdd

UID: 1.2.840.10008.6.1.1150

Table CID 4270. OCT-A Processing Algorithm Families

Coding Scheme Designator	Code Value	Code Meaning
DCM	128252	OCT-A amplitude decorrelation
DCM	128253	OCT-A complex variance
DCM	128254	OCT-A speckle variance
DCM	128255	OCT-A correlation mapping
DCM	128256	Doppler OCT-A
<u>DCM</u>	<u>xxxxxx</u>	<u>OCT-A ratio analysis</u>

Update Annex D to include definition of OCT-A ratio analysis

128255	OCT-A correlation mapping	OCT angiography method that	
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		differentiates flow regions. Static regions usually have high correlation values while flow regions have lower correlation values.	
128256	Doppler OCT-A	OCT angiography method that utilizes the Doppler phase resolved information to provide the velocity of flow. Sometimes referred to as the phase variance method.	
<u>xxxxxx</u>	<u>OCT-A ratio analysis</u>	<u>OCT angiography method that utilizes a one-sided ratio on a pixel by pixel basis between various combinations of B-scan repetitions. Individual ratio calculations are averaged or combined across eligible frame combinations for each pixel in the OCT image.</u>	