

DICOM Correction Item

Correction Number		CP-469
Log Summary: Add Radiation Dose Comment inside sequence		
Type of Modification	Name of Standard	
Extension	PS 3.3 - 2004	
Rationale for Correction		
<p>The Radiation Dose Module used in MPPS message (PS 3.3 Table C.4-16) defines "Comments on Radiation Dose" outside the Exposure Dose Sequence. Since this sequence shows radiation parameters for different scans, it would be better to have this (or similar) attribute within Exposure Dose Sequence to allow user to label each scan separately, e.g., to show special dose reduction techniques applied.</p>		
Sections of documents affected		
PS 3.3 Section C.4.16		
Correction Wording:		

C.4.16 Radiation Dose

...

Table C.4-16
RADIATION DOSE MODULE ATTRIBUTES

Attribute Name	Tag	Attribute Description
...		
Comments on Radiation Dose	(0040,0310)	User-defined comments on any special conditions related to radiation dose encountered during this Performed Procedure Step.
Exposure Dose Sequence	(0040,030E)	Exposure Dose Sequence will contain Total Number of Exposures (0040, 0301) items plus an item for each fluoroscopy episode not already counted as an exposure.
>Radiation Mode	(0018,115A)	Specifies X-Ray radiation mode. Enumerated Values: CONTINUOUS PULSED
>KVp	(0018,0060)	Peak kilo voltage output of the x-ray generator used. An average in the case of fluoroscopy (continuous radiation mode).
>X-ray Tube Current in μ A	(0018,8151)	X-ray Tube Current in μ A. An average in the case of fluoroscopy (continuous radiation mode).
>Exposure Time	(0018,1150)	Time of x-ray exposure or fluoroscopy in msec.
>Filter Type	(0018,1160)	Type of filter(s) inserted into the X-Ray beam (e.g. wedges). See C.7.10 for Defined Terms.

>Filter Material	(0018,7050)	The X-Ray absorbing material used in the filter. May be multi-valued. See C.7.10 for Defined Terms.
<u>>Comments on Radiation Dose</u>	<u>(0040,0310)</u>	<u>User-defined comments on any special conditions related to radiation dose encountered during during the episode described by this Exposure Dose Sequence Item.</u>