

DICOM Correction Proposal Form

Correction Number CP-159	
Log Summary: Generalize Therapy Module to Intervention Module	
Type of Modification Clarification	Name of Standard PS 3.3
<p>Rationale for Correction:</p> <p>Interventional radiology is used for image-guided procedures, such as biopsies, that are recorded with DICOM SOP Instances. DICOM currently provides for describing interventional therapies and their relationship to images using the Therapy Module; it would be useful to use this same module for other interventional procedures as well.</p> <p>This CP Generalizes the Therapy Module to be the Intervention Module with just a minor change in one attribute name. The attribute descriptions in the Module are updated. The Therapy Description attribute is retired since its VR is incorrect, and a new description attribute is added.</p>	
<p>Sections of documents affected</p> <p>PS 3.3 Sections A and C.7.6.13</p> <p>PS 3.6 Section 6</p>	
Correction Wording:	

Part 3

**Table A.1-1
 COMPOSITE INFORMATION OBJECT MODULES OVERVIEW - IMAGES**

IODs Modules	CR	CT	MR	Enh MR	NM	US	US MF	SC	SC MF SB	SC MF GB	SC MF GW	SC MF TC	XA	RF	RT IM	PET	DX	MG	IO	VL EN	VL MC	VL SL	VL PH	
...																								
<u>Intervention Therapy</u>													U	U			U	U	U					
...																								

**Table A.14.-1
 X-RAY ANGIOGRAPHIC IMAGE IOD MODULES**

IE	Module	Reference	Usage
	...		
	<u>InterventionTherapy</u>	C.7.6.13	U
	...		

Table A.16-1 - XRF IMAGE IOD MODULES

IE	Module	Reference	Usage
	...		
	<u>Intervention</u> Therapy	C.7.6.13	U
	...		

**Table A.26-1
 DIGITAL X-RAY IMAGE IOD MODULES**

IE	Module	Reference	Usage
	...		
	<u>Intervention</u> Therapy	C.7.6.13	U
	...		

Notes: ...

2. The Device and InterventionTherapy Modules are User optional, though it is desirable that, if present, they are stored by an SCP. It is recognized that in some cases the digital image acquisition system will not have a user interface or direct connection that allows acquisition of these parameters, even if device or interventiontherapy have been used.

**Table A.27-1
 DIGITAL MAMMOGRAPHY X-RAY IMAGE IOD MODULES**

IE	Module	Reference	Usage
	...		
	<u>Intervention</u> Therapy	C.7.6.13	U
	...		

**Table A.28-1
 DIGITAL INTRA-ORAL X-RAY IMAGE IOD MODULES**

IE	Module	Reference	Usage
	...		
	<u>Intervention</u> Therapy	C.7.6.13	U
	...		

C.7.6.13 InterventionTherapy

Table C.7-19 describes the Attributes of therapies (e.g. or other interventions (e.g., during an angiographic procedure) which are associated with a study and/or image.

**Table C.7-19
INTERVENTIONTherapy MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
Interventional—Therapy Sequence	(0018,0036)	3	Introduces sequence of items describing interventional therapies or procedures.

>Include 'Code Sequence Macro' Table 8.8-1		Baseline Context ID is 9.	
>Interventional Status	(0018,0038)	2	Temporal relation of SOP Instance to therapeutic intervention Specialized as Enumerated Values: PRE INTERMEDIATE POST NONE Required if Interventional Therapy Sequence (0018,0036) is present.
>Interventional Drug Sequence	(0018,0029)	3	Sequence that identifies the interventional drug. May be present if Interventional Therapy Sequence (0018,0036) is present.
>>Include 'Code Sequence Macro' Table 8.8-1		Baseline Context ID is 10.	
>Intervention Drug Start Time	(0018,0035)	3	Time of administration of the interventional drug. May be present if Interventional Therapy Sequence (0018,0036) is present.
>Intervention Drug Stop Time	(0018,0027)	3	Time of completion of administration of the intervention drug.
> Administration Route Code Sequence	(0054,0302)	3	Sequence that identifies the Administration Route. This sequence shall contain exactly one item.
>>Include 'Code Sequence Macro' Table 8.8-1		Baseline Context ID is 11.	
> Intervention Therapy Description	(0018,0039 A)	3	Further description in free form text describing the therapy or other intervention . May be present if Interventional Therapy Sequence (0018,0036) is present.

Note: Therapy Description (0018,0039) was included in this Module in earlier editions, but its use has been retired. See PS 3.3-2003.

Part 6

(0018,0038)	Interventional Status		
(0018,0029)	Interventional Drug Sequence		
(0018,0036)	Interventional Therapy Sequence	SQ	1
(0018,0039)	Therapy Description	CS	1 <u>RET</u>
(0018,003A)	Intervention Description	ST	1