

DICOM Correction Item

Correction Number CP-483	
Log Summary: RT Bolus ID and Description	
Type of Modification Omission	Name of Standard PS 3.3, PS 3.6 2004
<p>Rationale for Correction:</p> <p>The RT Beams module contains the Referenced Bolus Sequence (300C,00B0). Each bolus in the sequence references a ROI in the corresponding RT Structure Set module of the plan. This is suitable for dose calculation but does not allow for verification of the actual bolus during delivery. The Bolus should be treated similarly to other accessories. Therefore, an ID, a description, and the RT Alternate Accessory Identifier attribute should be added to the Bolus sequence. This applies to the RT Beams Module as well as the RT Beams Session Record Module.</p>	
<p>Sections of documents affected</p> <p>PS 3.3, C.8.8 (Radiotherapy modules)</p> <p>PS 3.6 Section 6 (Registry of DICOM Data Elements)</p>	
Correction Wording:	

In PS 3.3, Section C.8.8.14 Table C.8-50 (RT Beams Module Attributes), add the following attributes in the Referenced Bolus Sequence, after Referenced ROI Number (3006,0084):

Attribute Name	Tag	Type	Attribute Description
>Referenced Bolus Sequence	(300C,00B0)	3	Introduces sequence of boli associated with Beam. The sequence may contain one or more items.
...			
>>Bolus ID	(300A,00DC)	3	User-supplied identifier for the Bolus.
>>Bolus Description	(300A,00DD)	3	User-defined description for the Bolus.

In PS 3.3, C.8-53 (RT Beams Session Record Module Attributes), add the following attributes in the Referenced Bolus Sequence, after Referenced ROI Number (3006,0084):

Attribute Name	Tag	Type	Attribute Description
>Referenced Bolus Sequence	(300A,00B0)	3	Introduces sequence of boli associated with Beam. The sequence may contain one or more items.
...			
>>Bolus ID	(300A,00DC)	3	User-supplied identifier for the Bolus.

In PS3.6, Section 6, add the following new attributes:

Tag	Name	VR	VM
(300A,00DC)	Bolus ID	SH	1
(300A,00DD)	Bolus Description	ST	1