

## DICOM Correction Item

Correction Number		CP-224																									
Log Summary: Addition of HighDose Treatment Techniques in RT Plan and RT Beams Treatment Record																											
Type of Modification: Extension	Name of Standard PS 3.3-2000 PS 3.6-2000																										
Rationale for Correction:  There is no definitive indication in the RT Beam Module whether a machine is to deliver a normal, total body irradiation (TBI), or high dose-rate (HDR) treatment. This information can be important to delivery systems or record and verify systems, where the different ranges of allowed dose for these different techniques can be validated prior to treatment.																											
Sections of document affected:  Part 3 (Information Object Definitions), Section C.8.8.14 (RT Beams Module) and Section C.8.8.21 (RT Beams Session Record Module). Part 6 (Data Dictionary)																											
Correction Wording:  In Part 3, Table C.8-46 (RT Beams Module Attributes) and Table C.8-53 (RT Beams Session Module Attributes), after the attribute Radiation Type (300A,00C6) add the following attribute:  <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><b>&gt;High-Dose Technique Type</b></td> <td style="width: 20%;"><b>(300A,00C7)</b></td> <td style="width: 10%;"><b>1C</b></td> <td style="width: 40%;"><b>Type of high-dose treatment technique. Required if treatment technique requires a dose that would normally require overriding of treatment machine safety controls.</b></td> </tr> <tr> <td colspan="4"><b>Defined Terms:</b></td> </tr> <tr> <td colspan="4"><b>NORMAL = Standard treatment</b></td> </tr> <tr> <td colspan="4"><b>TBI = Total Body Irradiation</b></td> </tr> <tr> <td colspan="4"><b>HDR = High Dose Rate</b></td> </tr> </table> In Part 6 (Data Dictionary), add the following attribute:  <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"><b>(300A,00C7)</b></td> <td style="width: 40%;"><b>High-Dose Technique Type</b></td> <td style="width: 20%;"><b>CS</b></td> <td style="width: 20%;"><b>1</b></td> </tr> </table>				<b>&gt;High-Dose Technique Type</b>	<b>(300A,00C7)</b>	<b>1C</b>	<b>Type of high-dose treatment technique. Required if treatment technique requires a dose that would normally require overriding of treatment machine safety controls.</b>	<b>Defined Terms:</b>				<b>NORMAL = Standard treatment</b>				<b>TBI = Total Body Irradiation</b>				<b>HDR = High Dose Rate</b>				<b>(300A,00C7)</b>	<b>High-Dose Technique Type</b>	<b>CS</b>	<b>1</b>
<b>&gt;High-Dose Technique Type</b>	<b>(300A,00C7)</b>	<b>1C</b>	<b>Type of high-dose treatment technique. Required if treatment technique requires a dose that would normally require overriding of treatment machine safety controls.</b>																								
<b>Defined Terms:</b>																											
<b>NORMAL = Standard treatment</b>																											
<b>TBI = Total Body Irradiation</b>																											
<b>HDR = High Dose Rate</b>																											
<b>(300A,00C7)</b>	<b>High-Dose Technique Type</b>	<b>CS</b>	<b>1</b>																								