

## DICOM Correction Item

Correction Number		CP-225									
Log Summary: RT Image Simulator diaphragm position											
Type of Modification: Extension		Name of Standard PS 3.3-2000									
<p>Rationale for Correction:</p> <p>Simulator “wires” are represented in the RT Image object using the collimator representation, since the wires represent the desired collimator position.</p> <p>However, there is currently no support to specify the position of the device that collimates the beam that produces the image. Although this diaphragm position is not relevant to the treatment parameters, recording of this diaphragm value is required by some countries for radiation dose purposes.</p>											
<p>Sections of document affected:</p> <p>Part 3 (Information Object Definitions), Section C.8.8.2 (RT Image Module)          Part 6 (Data Dictionary)</p>											
<p>Correction Wording:</p> <p>In Part 3, Table C.8-34 (RT Image Module Attributes), add the following attribute immediately before Beam Limiting Device Sequence (300A,00B6):</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; padding-left: 20px;">&gt;Diaphragm Position</td> <td style="width: 15%; padding-left: 20px;">(3002,0034)</td> <td style="width: 5%; padding-left: 20px;">3</td> <td style="padding-left: 20px;">Positions of diaphragm jaw pairs (in mm) in IEC BEAM LIMITING DEVICE coordinate axis in the IEC order X1, X2, Y1, Y2</td> </tr> </table> <p>In Part 6 (Data Dictionary), add the following attribute:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; padding-left: 20px;">(3002,0034)</td> <td style="width: 25%; padding-left: 20px;">Diaphragm Position</td> <td style="width: 15%; padding-left: 20px;">DS</td> <td style="width: 35%; padding-left: 20px;">4</td> </tr> </table>				>Diaphragm Position	(3002,0034)	3	Positions of diaphragm jaw pairs (in mm) in IEC BEAM LIMITING DEVICE coordinate axis in the IEC order X1, X2, Y1, Y2	(3002,0034)	Diaphragm Position	DS	4
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