

DICOM Correction Item

Correction Number	CP-329
Log Summary: Clarification of usage of Center of Rotation Offset in NM IODs	
Type of Modification	Name of Standard
Clarification	PS 3.3 2001
Rationale for Correction: The NM IOD contains two attributes that convey information about COR correction factors for TOMO and GATED TOMO image data. (0028,0051) Corrected Image can be used to indicate that the image pixel data has already been COR (Center of Rotation) corrected, and Center of Rotation Offset (0018,1145) can be used to pass a correction factor for doing COR corrections. However, since both of these attributes are Type 3, there is a possibility for confusion – i.e. if Center of Rotation Offset contains a non-zero value and Correct Image is either not included or does not indicate COR correction has already been done, one does not know whether or not they should apply the COR correction value. The description of Center of Rotation Offset should be clarified so that Center of Rotation Offset shall only be non-zero if COR corrections have not been applied	
Sections of documents affected PS 3.3 C.8.4.11.1.5	
Correction Wording:	

Add the following text to the end of section C.8.4.11.1.5 Center of Rotation Offset

If:

- 1) Image Type (0008,0008) Value 3 is TOMO or GATED TOMO, and**
- 2) Corrected Image (0028,0051) does not include the value "COR", and**
- 3) Center of Rotation Offset (0018,1145) is non-zero,**

then the receiver should assume that Center of Rotation correction has not already been done.

If the Center of Rotation Offset is zero, no correction shall be applied.