

DICOM Correction Item

Correction Number		CP-282
Log Summary: Clarify Value Multiplicity for Matching Keys in Query/Retrieve		
Type of Modification	Name of Standard	
Clarification	PS 3.4 2001	
Rationale for Correction		
<p>There is no provision in the standard that the Query/Retrieve SCU may perform OR operations in the query by entering more than one value in the Key Attribute, for example, 'CT\MR' for Modality (0008,0060) to retrieve information about CT or MR series within the study. The only explicit case where such operation is allowed is List of UID Matching.</p> <p>However, there is a statement at the end of section C.2.2.2:</p> <p>"The Value Multiplicity (VM) may be larger than the VM as specified in PS 3.6 for the Key Attribute."</p> <p>This statement may be interpreted as "relaxing" value multiplicity requirements for SCUs that may try to rely on the OR operations to be performed by SCP.</p> <p>It is proposed to explicitly state that the multiplicity of the Key is defined by the Matching type.</p>		
Sections of documents affected		
PS 3.4 Section C.2.2.2.		
Correction Wording:		

Add the following text to Section C.2.2.2 of PS 3.4:

C.2.2.2 Attribute Matching

The following types of matching may be performed on Key Attributes in the Query/Retrieve Service Class:

- Single Value Matching
- List of UID Matching
- Universal Matching
- Wild Card Matching
- Range Matching
- Sequence Matching

Matching requires special characters (i.e. "*", "?", "-", and "\") which need not be part of the character repertoire for the VR of the Key Attributes.

The total length of the Key Attribute may exceed the length as specified in the VR in PS 3.5. The Value Multiplicity (VM) may be larger than the VM **as** specified in PS 3.6 for the Key Attribute, **as defined for particular Matching Type**.