

## DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2011/1102
Person Assigned	Harry Solomon
Submitter Name	WG-26
Submission date	2011/03/01

Correction Number	CP-1149
Log Summary:	Add Staining Equipment and Protocol Codes
Name of Standard	PS 3.3-2011 PS 3.6-2011 PS 3.16-2011 PS 3.17-2011
Rationale for Correction:	<p>With the recent adoption of the whole slide imaging SOP Class, WG-26 has been evaluating the pathology imaging workflow. Automated slide staining equipment is proposed as a new modality, with appropriate protocol codes, so that it can be managed using Modality Worklist. A correction to TID 8003 is also proposed for consistency with SNOMED concept use, and to allow multiple stains in one procedure step (e.g., for hematoxylin and eosin, commonly used in combination, but with separate codes in SNOMED)..</p>
Sections of documents affected	PS 3.3 Section C.7.3.1.1.1 PS 3.6 Annex A PS 3.16 Annex B, D PS 3.17 Annex NN
Correction Wording:	

*Add new modality to PS 3.3*

### **C.7.3.1.1.1 Modality**

Defined Terms for the Modality (0008,0060) are:

...

**STAIN = Automated Slide Stainer**

Add new row to PS 3.6 Annex A Table A-3

**Table A-3  
CONTEXT GROUP UID VALUES**

Context UID	Context Identifier	Context Group Name
...		
<u>1.2.840.10008.6.1.944</u>	<u>8130</u>	<u>Staining Protocols</u>

Add new Context Group to PS 3.16 Annex B

**CID 8130 Staining Protocols**

This Context Group is intended for use in the Scheduled Protocol Code Sequence (0040,0008) and the Performed Protocol Code Sequence (0040,0260) attributes for an automated slide stainer. When so used, an Item with value (P3-00003, SRT, "Staining") will also include a Protocol Context Sequence (0040,0440) using TID 8003 Specimen Staining to identify the specific stain substance.

**Context ID 8130  
Staining Protocols**

**Type: Extensible      Version: 20111028**

Coding Scheme	Code Value	Code Meaning
SRT	P3-00003	Staining
SRT	P3-50495	Hematoxylin and eosin stain method

Modify Template in PS 3.16 Annex C

**TID 8003      Specimen Staining**

**TID 8003  
Specimen Staining**

**Type: Extensible      Order: Significant**

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT ( <del>F-61D98G-C350</del> , SRT, " <u>StainUsing substance</u> ")	1-n	MC	IF Row 2 not present	DCID (8112) Specimen Stains
2	TEXT	DT ( <del>F-61D98G-C350</del> , SRT, " <u>StainUsing substance</u> ")	1	MC	IF Row 1 not present	

Modify PS 3.17 Annex NN Table NN 6-4

**Table NN.6-4 Specimen Preparation Sequence for Slide**

Specimen Preparation Sequence - Item #	Specimen Prep. Step Content Item Sequence - Item #	Template / Row	Value Type (0040,A040)	Concept Name Code Sequence (0040,A043)	Example Value	Comments
...						
6	1	8001 / 1	TEXT	(121041, DCM, "Specimen Identifier")	S07-100 A 5 1	Slide Staining
	2	8001 / 3	CODE	(111701, DCM, "Processing type")	(P3-00003, SRT, "Staining")	
	3	8001 / 4	DATETIME	(111702, DCM, "Datetime of processing")	200703240700	
	4	8001 / 9 8003 / 2	TEXT	( <del>F-61D98G-C350</del> , SRT, " <del>Stain</del> Using substance")	H&E (1)	