

## DICOM Correction Item

Correction Number      CP- 1001	
Log Summary: Addition of Pupillograph device	
Type of Modification Addition	Name of Standard PS 3.3 – 2009
<p>Rationale for Correction:</p> <p>The current standard is not considering the specific device type for acquisition of pupillography images. Typically images acquired with a pupillographer are divided in 4 subclasses, for the different light conditions used during acquisition (Dynamic, Scotopic, Mesopic and Photopic). The acquired pupillography would very likely be considered a multiframe, especially when the light condition dynamic is used, which serves to measure in time the change of the pupil's form.</p> <p>For an interpreting workstation (Image Display) it might be useful to understand which type of image was acquired and illumination type used for acquisition. Note that the pupillography is completely compatible with the modality OP, so there is no need to add a modality.</p>	
Sections of documents affected  PS 3.16 Section A, CID 4202 PS 3.16 Section A, CID 4203	
Correction Wording:	

**Add device type to Ophthalmic Photography Acquisition Device Context table**

**Context ID 4202**  
**Ophthalmic Photography Acquisition Device**  
 Type: **Extensible**                      Version: ~~20040921~~20100607

Coding Scheme Designator	Code Value	Code Meaning
...	...	...
<b><u>SRT</u></b>	<b><u>A-00FF4</u></b>	<b><u>Pupillograph</u></b>

**Add illumination types to 'Ophthalmic Photography Illumination' Context table**

**Context ID 4203**  
**Ophthalmic Photography Illumination**  
 Type: **Extensible**                      Version: ~~20071016~~20100607

Coding Scheme Designator	Code Value	Code Meaning
...	...	...

<b><u>DCM</u></b>	<b><u>111627</u></b>	<b><u>Scotopic light</u></b>
<b><u>DCM</u></b>	<b><u>111628</u></b>	<b><u>Mesopic light</u></b>
<b><u>DCM</u></b>	<b><u>111629</u></b>	<b><u>Photopic light</u></b>
<b><u>DCM</u></b>	<b><u>111630</u></b>	<b><u>Dynamic light</u></b>

Add definitions to Annex D – DICOM Controlled Terminology Definitions

<b>Code Value</b>	<b>Code Meaning</b>	<b>Definition</b>	<b>Notes</b>
<b><u>111627</u></b>	<b><u>Scotopic light</u></b>	<b><u>Lighting condition approximately 0.04 lux</u></b>	
<b><u>111628</u></b>	<b><u>Mesopic light</u></b>	<b><u>Lighting condition approximately 4 lux</u></b>	
<b><u>111629</u></b>	<b><u>Photopic light</u></b>	<b><u>Lighting condition approximately 40 lux</u></b>	
<b><u>111630</u></b>	<b><u>Dynamic light</u></b>	<b><u>Acquisition preceded by intense light</u></b>	