

## DICOM Correction Item

Correction Number CP-733	
Log Summary: Modify Hemodynamic Measurement Group template	
Type of Modification Modification	Name of Standard PS 3.3, PS 3.16
Rationale for Correction:  Modify Hemodynamic Measurement Group template to use structure for findings templates similar to that used in other measurement group templates, i.e., Container concept name (121070, DCM, "Findings") post-coordinated with a concept modifier. Also add ECG measurements.	
Sections of documents affected  PS 3.16 Annex A TID 3501 and TID 3520	
Correction Wording:	

### TID 3501 Hemodynamics Measurement Group

The Hemodynamic Measurement Group template provides a structure for measurements acquired during a single procedure phase in a cardiac catheterization lab.

#### TID 3501 Hemodynamics Measurement Group Type: Extensible

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	<del>DCID (3654)</del> <b>Hemodynamic Measurement phase</b> <u>EV (121070, DCM, "Findings")</u>	1	M		
<u>2</u>	≥	<u>HAS ACQ CONTEXT</u>	<u>CODE</u>	<u>EV (G-72BB, SRT, "Catheterization Procedure Phase")</u>	<u>1</u>	<u>M</u>		<u>DCID (3651) Hemodynamic Measurement phase</u>
<u>23</u>	>	HAS ACQ CONTEXT	INCLUDE	DTID (3520) Hemodynamic Clinical Context	1	U		
<u>34</u>	>	HAS ACQ CONTEXT	TEXT	EV (121124, DCM, "Procedure Action ID")	1	U		
<u>45</u>	>	CONTAINS	INCLUDE	DTID (3510) Vital signs	1-n	U		
<u>56</u>	>	CONTAINS	INCLUDE	DTID (3504) Arterial Pressure Measurement	1-n	U		
<u>67</u>	>	CONTAINS	INCLUDE	DTID (3505) Atrial Pressure Measurement	1-n	U		
<u>78</u>	>	CONTAINS	INCLUDE	DTID (3506) Venous Pressure Measurement	1-n	U		
<u>89</u>	>	CONTAINS	INCLUDE	DTID (3507) Ventricular Pressure Measurement	1-n	U		
<u>910</u>	>	CONTAINS	INCLUDE	DTID (3508) Gradient Measurement	1-n	U		
<u>4011</u>	>	CONTAINS	INCLUDE	DTID (3509) Blood Velocity Measurements	1-n	U		
<u>4412</u>	>	CONTAINS	INCLUDE	DTID (3515) Cardiac Output Measurement by Indicator	1-n	U		

				Dilution				
<del>12</del> <u>13</u>	>	CONTAINS	INCLUDE	DTID (3516) Blood lab measurements	1-n	U		
<del>13</del> <u>14</u>	>	CONTAINS	INCLUDE	DTID (3560) Derived Hemodynamic Measurements	1-n	U		
<u>15</u>	≥	<u>CONTAINS</u>	<u>INCLUDE</u>	<u>DTID (3714) ECG Lead Measurements</u>	<u>1-n</u>	<u>U</u>		

**Content Item Descriptions**

Row ~~34~~ Procedure Action ID allows linkage between the hemodynamic measurements recorded in this Template and a procedure step or phase recorded in the Procedure Log, e.g., using TID 3100.

**TID 3520 Hemodynamic Clinical Context**

The Clinical Context template allows the recording of information about the patient's clinical state that may affect interpretation of the hemodynamic measurements. This Template includes several coded conditions (e.g., complications, drugs, physiological challenges, etc.), each of which may have a Concept Modifier of "Relative Time". This Modifier indicates the temporal relationship of the hemodynamic measurements to the conditions recorded in this template. E.g., the Content Item structure:

[CONTAINER] "Findings"  
HAS ACQ CONTEXT "Cath Procedure Phase" "Post-intervention phase"  
 HAS ACQ CONTEXT [CONTAINER] "Clinical Context"  
 CONTAINS [CODE] "Complication" "Arrhythmia"  
 HAS CONCEPT MOD [CODE] "Relative Time" "After"  
 CONTAINS [CONTAINER] "Arterial Measurements"

...

conveys the semantics that this group of measurements for the post-intervention phase of a cath procedure was made after an occurrence of arrhythmia in the patient.