

1	Status	Final Text
2	Date of Last Update	2016/05/25
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	Jörg Riesmeier
6		mailto:mail@jriesmeier.com
7	Submission Date	2015/08/24

8	Correction Number CP-1543	
9	Log Summary: PET image library corrections	
10	Name of Standard	
11	PS3.16 2016b	
12	Rationale for Correction:	
13	Units should be specified as EV for the half-life.	
14	The Glucose Measurement Date and Time are only needed if the Glucose Measurement is present and it does not have an Observation	
15	DateTime.	
16	Fix incorrectly numbered rows.	
17	Correct codes for Glucose Measurement Date and Glucose Measurement Time that are duplicates (assigned to Prospective gating	
18	and Retrospective gating, respectively).	
19	Correction Wording:	

Amend DICOM PS3.16 as follows:

## TID 1607 Image Library Entry Descriptors for PET

Table TID 1607. Image Library Entry Descriptors for PET

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
3		HAS ACQ CONTEXT	NUM	EV (R-42806, SRT, "Half-life of radiopharmaceutical")	1	U		UNITS = EV.(s, UCUM, "s")
...	...	...	...	...	...	...	...	...
13		HAS ACQ CONTEXT	NUM	EV (14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
14		HAS ACQ CONTEXT	DATE	EV ( <del>109081</del> 127857, DCM, "Glucose Measurement Date")	1	MC	<b><u>IF Row 13 Glucose is present and does not contain Observation DateTime (0040,A032).</u></b>	
15		HAS ACQ CONTEXT	TIME	EV ( <del>109082</del> 127858, DCM, "Glucose Measurement Time")	1	MC	<b><u>IF Row 13 Glucose is present and does not contain Observation DateTime (0040,A032).</u></b>	

### Content Item Descriptions

<b>Row 3</b>	Half-life of radiopharmaceutical	The units for half life are chosen to be seconds, to match the units used for Radionuclide Half Life (0018,1075). See PS3.3 Section C.8.9.2.
<b>Row 14</b>	<b><u>Glucose Measurement Date</u></b>	<b><u>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").</u></b>
<b>Row 15</b>	<b><u>Glucose Measurement Time</u></b>	<b><u>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").</u></b>

## TID 3471 PET Covariates Acquisition Context

Table TID 3471. PET Covariates Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	NUMERIC	(14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
2	DATE	( <del>109081</del> 127857, DCM, "Glucose Measurement Date")	1	MC	<b><u>IFF Row 1 is present and does not contain Observation DateTime (0040,A032)</u></b>	
3	TIME	( <del>109082</del> 127858, DCM, "Glucose Measurement Time")	1	MC	<b><u>IFF Row 1 is present and does not contain Observation DateTime (0040,A032)</u></b>	

## Content Item Descriptions

<b>Row 2</b>	<b>Glucose Measurement Date</b>	<b>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").</b>
<b>Row 3</b>	<b>Glucose Measurement Time</b>	<b>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").</b>

## TID 15101 NM/PET Protocol Context

Table TID 15101. NM/PET Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...
12		NUMERIC	EV (14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
13	>	DATE	EV ( <del>409081</del> <b>127857</b> , DCM, "Glucose Measurement Date")	1	MC	<b>IFF Row 12 is present and does not contain Observation DateTime (0040,A032)</b>	
14	>	TIME	EV ( <del>409082</del> <b>127858</b> , DCM, "Glucose Measurement Time")	1	MC	<b>IFF Row 12 is present and does not contain Observation DateTime (0040,A032)</b>	

## Content Item Descriptions

<b>Row 13</b>	<b>Glucose Measurement Date</b>	<b>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").</b>
<b>Row 14</b>	<b>Glucose Measurement Time</b>	<b>In an earlier edition of the standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").</b>

## D DICOM Controlled Terminology Definitions (Normative)

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
109081	Prospective gating	Certain thresholds have been set for a gating window that defines the acceptance of measurement data during the acquisition; see Cardiac Synchronization Technique (0018,9037).	
109082	Retrospective gating	Certain thresholds have been set for a gating window that defines the acceptance of measurement data after the acquisition; see Cardiac Synchronization Technique (0018,9037).	
<b>127857</b>	<b>Glucose Measurement Date</b>	<b>The date that a glucose measurement was performed.</b>	
<b>127858</b>	<b>Glucose Measurement Time</b>	<b>The time that a glucose measurement was performed.</b>	