

1	STATUS	Final Text
2	Date of Last Update	2014/11/12
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5	Submitter Name	WG 3
6	Submission Date	2014/02/24

7	Correction Number CP-1375	
8	Log Summary: Add Various PET Radionuclides and Radiotracers	
9	Name of Standard	
10	PS 3.16 2014b	
11	Rationale for Correction:	
12	Various new PET Radionuclides and Radiotracers have been developed. Add codes for them, using DCM codes if necessary for	
13	those not in SNOMED or UMLS.	
14	Correction Wording:	

Amend DICOM PS 3.16 Content Mapping Resource - Context Groups as follows:

CID 4020 PET Radionuclide

Type: Extensible

Version: ~~20130207~~20141110

Table CID 4020. PET Radionuclide

Coding Scheme Designator	Code Value	Code Meaning
SRT	C-105A1	¹¹ C
SRT	C-107A1	¹³ N
SRT	C-1018C	¹⁴ O
SRT	C-B1038	¹⁵ O
SRT	C-111A1	¹⁸ F
SRT	C-155A1	²² Na
SRT	C-135A4	³⁸ K
DCM	126605	⁴³Sc
DCM	126600	⁴⁴Sc
SRT	C-166A2	⁴⁵ Ti
DCM	126601	⁵¹Mn
SRT	C-130A1	⁵²Fe
SRT	C-149A1	⁵² Mn
SRT	C-127A4	⁶⁰ Cu
SRT	C-127A1	⁶¹ Cu
SRT	C-127A5	⁶² Cu
SRT	C-141A1	⁶² Zn
SRT	C-127A2	⁶⁴ Cu
SRT	C-131A1	⁶⁶ Ga
SRT	C-131A3	⁶⁸ Ga
SRT	C-128A2	⁶⁸ Ge
DCM	126602	⁷⁰As
SRT	C-115A2	⁷²As
SRT	C-116A2	⁷³Se
SRT	C-113A1	⁷⁵ Br
SRT	C-113A2	⁷⁶ Br
SRT	C-113A3	⁷⁷ Br
SRT	C-159A2	⁸² Rb
SRT	C-162A3	⁸⁶ Y
DCM	126603	⁹⁰Nb
SRT	C-162A7	⁹⁰ Y
SRT	C-163AA	^{94m} Tc
SRT	C-114A5	¹²⁴ I
DCM	126606	¹⁵²Tb

CID 4021 PET Radiopharmaceutical

Type: Extensible

Version: ~~20130207~~20141110

Table CID 4021. PET Radiopharmaceutical

Coding Scheme Designator	Code Value	Code Meaning	Other Names
...
<u>DCM</u>	<u>126713</u>	<u>2FA F¹⁸</u>	<u>FA-85380</u>
<u>DCM</u>	<u>126700</u>	<u>ATSM Cu⁶⁰</u>	
<u>DCM</u>	<u>126701</u>	<u>ATSM Cu⁶¹</u>	
<u>DCM</u>	<u>126702</u>	<u>ATSM Cu⁶²</u>	
<u>DCM</u>	<u>126703</u>	<u>Choline C¹¹</u>	
<u>DCM</u>	<u>126715</u>	<u>CLR1404 I¹²⁴</u>	
<u>DCM</u>	<u>126716</u>	<u>CLR1404 I¹³¹</u>	
<u>UMLS</u>	<u>C2713594</u>	<u>Edotreotide Ga⁶⁸</u>	<u>DOTATOC, SMT487</u>
<u>DCM</u>	<u>126704</u>	<u>Fallypride C¹¹</u>	
<u>DCM</u>	<u>126705</u>	<u>Fallypride F¹⁸</u>	
<u>DCM</u>	<u>126706</u>	<u>FLB 457 C¹¹</u>	
<u>DCM</u>	<u>126712</u>	<u>Flubatine F¹⁸</u>	<u>NCFHEB</u>
<u>UMLS</u>	<u>C1831937</u>	<u>Fluoroestradiol (FES) F¹⁸</u>	
<u>UMLS</u>	<u>C1541539</u>	<u>Fluoroetanidazole F¹⁸</u>	<u>EF5</u>
<u>DCM</u>	<u>126707</u>	<u>Fluorotripride F¹⁸</u>	
<u>DCM</u>	<u>126709</u>	<u>Glutamine C¹¹</u>	
<u>DCM</u>	<u>126710</u>	<u>Glutamine C¹⁴</u>	
<u>DCM</u>	<u>126711</u>	<u>Glutamine F¹⁸</u>	
<u>UMLS</u>	<u>C2981788</u>	<u>ISO-1 F¹⁸</u>	
<u>DCM</u>	<u>126714</u>	<u>Nifene F¹⁸</u>	
<u>UMLS</u>	<u>C1742831</u>	<u>tyrosine-3-octreotate Ga⁶⁸</u>	<u>DOTATATE</u>

Amend DICOM PS 3.16 - Content Mapping Resource - Controlled Terminology Definitions to add the following new concepts:

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
126600	⁴⁴ Scandium	⁴⁴ Scandium	
126601	⁵¹ Manganese	⁵¹ Manganese	
126602	⁷⁰ Arsenic	⁷⁰ Arsenic	
126603	⁹⁰ Niobium	⁹⁰ Niobium	
126605	⁴³ Scandium	⁴³ Scandium	
126606	¹⁵² Terbium	¹⁵² Terbium	
126700	ATSM Cu ⁶⁰	A Cu 60 ATSM PET radiotracer.	
126701	ATSM Cu ⁶¹	A Cu 61 ATSM PET radiotracer.	
126702	ATSM Cu ⁶²	A Cu 62 ATSM PET radiotracer.	

Code Value	Code Meaning	Definition	Notes
126703	Choline C ¹¹	A C 11 Choline PET radiotracer.	
126704	Fallypride C ¹¹	A C 11 Fallypride PET radiotracer.	
126705	Fallypride F ¹⁸	An F 18 Fallypride PET radiotracer.	
126706	FLB 457 C ¹¹	A C 11 FLB 457 PET radiotracer.	
126707	Fluorotriopride F ¹⁸	An F 18 Fluorotriopride PET radiotracer.	
126709	Glutamine C ¹¹	A C 11 Glutamine PET radiotracer.	
126710	Glutamine C ¹⁴	A C 14 Glutamine PET radiotracer.	
126711	Glutamine F ¹⁸	An F 18 Glutamine PET radiotracer.	
126712	Flubatine F ¹⁸	An F 18 Flubatine PET radiotracer.	
126713	2FA F ¹⁸	An F 18 2FA PET radiotracer.	
126714	Nifene F ¹⁸	An F 18 Nifene PET radiotracer.	
126715	CLR1404 I ¹²⁴	An I 124 cancer targeted phospholipid ether PET radiotracer.	
126716	CLR1404 I ¹³¹	An I 131 cancer targeted phospholipid ether PET radiotracer.	