

1	STATUS	Assigned
2	Date of Last Update	2016/11/18
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	David Clunie
6		mailto:dclunie@dclunie.com
7	Submission Date	2016/02/17

8	Correction Number CP-1590	
9	Log Summary: Add more PET Radiotracers	
10	Name of Standard	
11	PS3.16	
12	Rationale for Correction:	
13	Add more radiotracers that have become available.	
14	Use SNOMED code instead of DCM code for Florbetaben (already in DICOM-SNOMED subset and UMLS).	
15	Remove duplicates.	
16	Correction Wording:	

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

## CID 4021 PET Radiopharmaceutical

Type: Extensible

Version: 20160419yyymmdd

Table CID 4021. PET Radiopharmaceutical

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID	Other Names
...	...	...	...	...	...
<del>DCMSRT</del>	<del>126501-C-D6858</del>	Florbetaben F <sup>18</sup> ^	<del>712736002</del>	<del>C3818757</del>	NeuroCeq™
...	...	...	...	...	...
DCM	126503	Flubatine F <sup>18</sup> ^			NCFHEB
<del>DCM</del>	<del>126712</del>	<del>Flubatine F<sup>18</sup>^</del>			<del>NGFHEB</del>
...	...	...	...	...	...
<u>DCM</u>	<u>dddd1</u>	<u>THK5351 F<sup>18</sup>^</u>	...	...	
<u>DCM</u>	<u>dddd2</u>	<u>Flurpiridaz F<sup>18</sup>^</u>	...	...	<u>BMS-747158-02</u>
...	...	...	...	...	...

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

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
126501	Florbetaben F <sup>18</sup> ^	A beta-amyloid PET radiotracer.	<b>Retired.</b>  <b>Replaced with (C-D6858, SRT, "Florbetaben F<sup>18</sup>^").</b>
126503	Flubatine F <sup>18</sup> ^	A nicotinic $\alpha 4\beta 2$ receptor (nAChR) PET radiotracer.	
126712	Flubatine F <sup>18</sup> ^	An F 18 Flubatine PET radiotracer.	<b>Retired.</b>  <b>Replaced with (126503, DCM, "Flubatine F<sup>18</sup>^").</b>
dddd1	THK5351 F <sup>18</sup> ^	A PET radiotracer used for tau brain imaging.  See Harada R, Okamura N, Furumoto S, Furukawa K, Ishiki A, Tomita N, et al. 18F-THK5351: A Novel PET Radiotracer for Imaging Neurofibrillary Pathology in Alzheimer Disease. Journal of Nuclear Medicine. 2016 Feb 1;57(2):208–14. doi:10.2967/jnumed.115.164848	

<b>Code Value</b>	<b>Code Meaning</b>	<b>Definition</b>	<b>Notes</b>
dddd2	Flurpiridaz F <sup>18</sup>	<p>A PET radiotracer used for myocardial perfusion imaging.</p> <p>See Yu M, Nekolla SG, Schwaiger M, Robinson SP. The Next Generation of Cardiac Positron Emission Tomography Imaging Agents: Discovery of Flurpiridaz F-18 for Detection of Coronary Disease. <i>Seminars in Nuclear Medicine</i>. 2011 Jul;41(4):305–13. doi:10.1053/j.semnuclmed.2011.02.004</p> <p>See SNMMI. Flurpiridaz. <a href="http://interactive.snm.org/docs/PET_PROS/flurpiridaz_%2007_30_12_Final.pdf">http://interactive.snm.org/docs/PET_PROS/flurpiridaz_%2007_30_12_Final.pdf</a></p>	