

1	Status	Final Text
2	Date of Last Update	2017/04/13
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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 2017a	
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: 2016041920170413

Table CID 4021. PET Radiopharmaceutical

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID	Other Names
...
<u>BGMSRT</u>	<u>426504-C-D6858</u>	Florbetaben F ¹⁸ [^]	<u>712736002</u>	<u>C3818757</u>	NeuroCeq™
...
DCM	126503	Flubatine F ¹⁸ [^]			NCFHEB
<u>DCM</u>	<u>426742</u>	<u>Flubatine F¹⁸[^]</u>			<u>NGFHEB</u>
...
<u>DCM</u>	<u>126717</u>	<u>THK5351 F¹⁸[^]</u>			
<u>DCM</u>	<u>126718</u>	<u>Flurpiridaz F¹⁸[^]</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 ¹⁸ [^]	A beta-amyloid PET radiotracer.	<u>Retired.</u> <u>Replaced with (C-D6858, SRT, "Florbetaben F¹⁸[^]").</u>
126503	Flubatine F ¹⁸ [^]	A nicotinic $\alpha 4\beta 2$ receptor (nAChR) PET radiotracer.	
126712	Flubatine F ¹⁸ [^]	An F 18 Flubatine PET radiotracer.	<u>Retired.</u> <u>Replaced with (126503, DCM, "Flubatine F¹⁸[^]").</u>
<u>126717</u>	<u>THK5351 F¹⁸[^]</u>	<u>A PET radiotracer used for tau brain imaging.</u> <u>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</u>	

Code Value	Code Meaning	Definition	Notes
<u>126718</u>	<u>Flurpiridaz F^18^</u>	<u>A PET radiotracer used for myocardial perfusion imaging.</u> <u>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. Seminars in Nuclear Medicine. 2011 Jul;41(4):305–13. doi:10.1053/j.semnuclmed.2011.02.004</u> <u>See SNMMI. Flurpiridaz. http://interactive.snm.org/docs/PET_PROS/flurpiridaz_%2007_30_12_Final.pdf</u>	