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Status	Letter Ballot
Date of Last Update	2024/01/14
Person Assigned	David Clunie mailto:dclunie@dclunie.com
Submitter Name	David Clunie mailto:dclunie@dclunie.com
Submission Date	2023/08/27
Correction Number CP-2334	
Log Summary: Add [18F]DCFPyL (Piflufolastat) PSMA PET radiopharmaceutical	
Name of Standard	
PS3.16	
Rationale for Correction:	
[18F]DCFPyL (Piflufolastat) is a PSMA PET radiopharmaceutical. It is distinct from other 18F PSMA agents such as PSMA-1007. See Voter AF, Werner RA, Pienta KJ, Gorin MA, Pomper MG, Solnes LB, et al. Piflufolastat F-18 (18F-DCFPyL) for PSMA PET imaging in prostate cancer. Expert Rev Anticancer Ther. 2022 Jul;22(7):681–94. doi:10.1080/14737140.2022.2081155	
Correction Wording:	

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Amend DICOM PS3.16 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

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CID 4021 PET Radiopharmaceutical

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Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML  
Keyword: PETRadiopharmaceutical  
FHIR Keyword: dicom-cid-4021-PETRadiopharmaceutical  
Type: Extensible  
Version: ~~20221201~~yyyymmdd  
UID: 1.2.840.10008.6.1.305

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Table CID 4021. PET Radiopharmaceutical

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Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
DCM	126752	28H1 ^89^Zr			
DCM	126713	2FA F^18^			FA-85380
DCM	126751	7D12 ^89^Zr			
DCM	126750	7E11 ^89^Zr			
SCT	129513004	Acetate C^11^	C-B1043	C1098488	
DCM	126729	AGN-150998 ^89^Zr			MP0112
SCT	129508003	Ammonia N^13^	C-B103C	C1268560	
DCM	126754	Anti-B220 ^89^Zr			Anti-CD45R
DCM	126700	ATSM Cu^60^			
DCM	126701	ATSM Cu^61^			
DCM	126702	ATSM Cu^62^			
SCT	422855001	ATSM Cu^64^	C-B07DB	C1828021	
DCM	126722	Benralizumab ^89^Zr			MEDI-563, KHK4563
DCM	126516	Bevacizumab ^89^Zr			Avastin™ ^89^Zr
DCM	126727	Blinatumomab ^89^Zr			AMG103, MT103
DCM	126735	Brentuximab ^89^Zr			Adcetris™
SCT	422540000	Butanol O^15^	C-B07DC	C1827030	
SCT	129507008	Carbon dioxide O^15^	C-B103B	C1268559	
SCT	129515006	Carbon monoxide C^11^	C-B1045	C1268564	
SCT	129506004	Carbon monoxide O^15^	C-B103A	C1268558	
SCT	129511002	Carfentanil C^11^	C-B103F	C1268562	
DCM	126513	Cetuximab ^89^Zr			Erbitux™ ^89^Zr
DCM	126517	cG250-F(ab')(2) ^89^Zr			
DCM	126703	Choline C^11^			
DCM	126715	CLR1404 I^124^			
DCM	126716	CLR1404 I^131^			
DCM	126746	cMAb U36 ^89^Zr			
DCM	126515	cU36 ^89^Zr			
NCIt	C96234	DCFBC F^18^		C2604127	N-[N-[(S)-1,3-dicarboxypropyl] carbamoyl]-4-fluorobenzyl-L-cysteine F^18^

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
NCIt	C116352	DCFPyL F <sup>18</sup> ^		C3492634	2-(3-(1-carboxy-5-[(6-fluoro-pyridine-3-carbonyl)-amino]-pentyl)-ureido)-pentanedioic acid F <sup>18</sup> ^
DCM	126762	Df-[FK](2) ^89^Zr			
DCM	126763	Df-[FK](2)-3PEG(4) ^89^Zr			
DCM	126520	Df-CD45 ^89^Zr			
DCM	126760	Df-FK ^89^Zr			
DCM	126761	Df-FK-PEG(3) ^89^Zr			
DCM	126747	DN30 ^89^Zr			
DCM	126765	DPA-713 ^11^C			
DCM	126766	DPA-714 ^18^F			
DCM	126519	E4G10 ^89^Zr			
DCM	126732	Ecromeximab ^89^Zr			KW-2871
UMLS	C2713594	Edotreotide Ga <sup>68</sup> ^		C2713594	DOTATOC, SMT487
SCT	423498000	EDTA Ga <sup>68</sup> ^	C-B07DD	C1828067	
DCM	126704	Fallypride C <sup>11</sup> ^			
DCM	126705	Fallypride F <sup>18</sup> ^			
DCM	126706	FLB 457 C <sup>11</sup> ^			
SCT	712736002	Florbetaben F <sup>18</sup> ^	C-D6858	C3818757	NeuroCeq™
SCT	456995000	Florbetapir F <sup>18</sup> ^	C-E0269	C3475363	AV-45, Amyvid™
SCT	879808000	Flortaucipir F <sup>18</sup> ^		C4742689	AV-1451, T807, Tauvid
DCM	126503	Flubatine F <sup>18</sup> ^			NCFHEB
SCT	456999006	Fluciclatide F <sup>18</sup> ^	C-E0265	C2987729	
SCT	457000009	Fluciclovine F <sup>18</sup> ^	C-E026A	C1311253	
SCT	423543007	Flumazenil C <sup>11</sup> ^	C-B07DE	C1827653	
SCT	422975006	Flumazenil F <sup>18</sup> ^	C-B07DF	C1828330	
SCT	424708001	Fluorethyltyrosin F <sup>18</sup> ^	C-B07E0	C1827913	
SCT	423546004	Fluorobenzothiazole F <sup>18</sup> ^	C-B07E4	C1827131	
SCT	456992002	Fluorocholine F <sup>18</sup> ^	C-E0273	C3531803	
SCT	35321007	Fluorodeoxyglucose F <sup>18</sup> ^	C-B1031	C0046056	
SCT	926372005	Fluoroestradiol F <sup>18</sup> ^		C1831937	FES
UMLS	C1541539	Fluoroetanidazole F <sup>18</sup> ^		C1541539	EF5
SCT	5811000122108	Fluoro-L-dopa F <sup>18</sup> ^	C-E0241	C0244672	
SCT	422763008	Fluoromethane F <sup>18</sup> ^	C-B07E2	C1827137	
SCT	422598008	Fluoromisonidazole F <sup>18</sup> ^	C-B07E1	C1827349	FMISO
UMLS	C2934038	Fluoropropyl-dihydrotetrabenazine F <sup>18</sup> ^		C2934038	AV-133, DTBZ
DCM	126707	Fluorotripride F <sup>18</sup> ^			
SCT	425236000	Fluorouracil F <sup>18</sup> ^	C-B07E3	C1827690	
DCM	126718	Flurpiridaz F <sup>18</sup> ^			BMS-747158-02
SCT	456997008	Flutemetamol F <sup>18</sup> ^	C-E0267	C2983948	Vizamyl™

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
DCM	126748	Fresolimumab ^89^Zr			GC1008
DCM	126731	GA201 ^89^Zr			RG1760, RO5083945
SCT	53315004	Germanium Ge^68^	C-128A2	C0303198	
DCM	126724	Glembatumumab vedotin ^89^Zr			CDX-011, CR011-vcMMAE
SCT	129509006	Glutamate N^13^	C-B103D	C1268561	
DCM	126709	Glutamine C^11^			
DCM	126710	Glutamine C^14^			
DCM	126711	Glutamine F^18^			
UMLS	C2981788	ISO-1 F^18^		C2981788	
DCM	126514	J591 ^89^Zr			
DCM	126740	Margetuximab ^89^Zr			MGAH22
DCM	126730	MEDI-551 ^89^Zr			
SCT	424789007	Mespiperone C^11^	C-B07E5	C1828032	
SCT	129510001	Methionine C^11^	C-B103E	C0252667	
UMLS	C4506764	MK-6240 F^18^		C4506764	
DCM	126738	Mogamulizumab ^89^Zr			AMG761, KW-0761, Poteligeo™
DCM	126510	Monoclonal Antibody ^64^Cu			
DCM	126511	Monoclonal Antibody ^89^Zr			
SCT	423249007	Monoclonal antibody I^124^	C-114AA	C1827605	
DCM	126753	Nanocolloidal albumin ^89^Zr			Nanocoll
DCM	126714	Nifene F^18^			
DCM	126721	Obinituzimab ^89^Zr			Afutuzumab, Gazyva™
DCM	126723	Ocaratuzumab ^89^Zr			AME-133v, LY2469298
SCT	129504001	Oxygen O^15^	C-B1038	C1268556	
SCT	129505000	Oxygen-water O^15^	C-B1039	C1268557	
SCT	129514005	Palmitate C^11^	C-B1044	C1268563	
DCM	126736	Panitumumab ^89^Zr			ABX-EGF, Vectibix™
DCM	126728	Pegdinetanib ^89^Zr			BMS-844203, CT-322, Angiocept™
<b>NCIt</b>	<b>C116352</b>	<b>Piflufolastat F^18^</b>		<b>C3492634</b>	<b>DCFPyL, Pylarify™, Pylclari™</b>
DCM	126725	Pinatuzumab vedotin ^89^Zr			RG7593, DCDT2980S
DCM	126500	Pittsburgh compound B C^11^			PIB
UMLS	C1609883	PK11195 ^11^C		C1609883	(11C)1-(2-chlorophenyl)-N-methyl-N-(1-methylpropyl)-3-isoquinoline carboxamide
DCM	126726	Polatuzumab vedotin ^89^Zr			RG7596, DCDS4501A
DCM	126758	PSMA-1007 F^18^			
NCIt	C118961	PSMA-11 Ga^68^		C3899042	Glu-NH-CO-NH-Lys(Ahx)-HBED-CC Ga^68^
DCM	126759	PSMA-617 Ga^68^			
SCT	422789008	PTSM Cu^62^	C-B07E7	C1827357	
DCM	126518	R1507 ^89^Zr			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
SCT	129512009	Raclopride C <sup>11</sup> ^	C-B1042	C0752264	
DCM	126742	Ranibizumab ^89^Zr			Lucentis™
DCM	126737	Rituximab ^89^Zr			IDEC-C2B8, Rituxan™
DCM	126755	RO5323441 ^89^Zr			
DCM	126756	RO542908 ^89^Zr			
DCM	126719	RO6924963 ^11^C			RO-963
DCM	126720	RO6931643 ^11^C			RO-643
DCM	126757	RO6958948 ^18^F			RO-948
DCM	126733	Roledumab ^89^Zr			LFB-R593
SCT	129503007	Rubidium chloride Rb^82^	C-B1037	C1268555	
DCM	126741	SAR3419 ^89^Zr			
NCIt	C122684	Sarcosine C <sup>11</sup> ^		C4055275	
SCT	129501009	Sodium fluoride F <sup>18</sup> ^	C-B1032	C0304965	
SCT	422980002	Sodium iodide I <sup>124</sup> ^	C-B07E8	C1828393	
SCT	71633006	Sodium Na <sup>22</sup> ^	C-155A1	C1268566	
SCT	129499001	Spiperone F <sup>18</sup> ^	C-B1033	C1268552	
DCM	126502	T807 F <sup>18</sup> ^			AV-1451
UMLS	C4550127	THK5317 F <sup>18</sup> ^		C4550127	
UMLS	C4279748	THK5351 F <sup>18</sup> ^		C4279748	
SCT	129502002	Thymidine F <sup>18</sup> ^	C-B1036	C1268554	FLT
DCM	126512	Trastuzumab ^89^Zr			Herceptin™ ^89^Zr
DCM	126749	TRC105 ^89^Zr			
SCT	724025002	Dotatate Ga <sup>68</sup> ^		C1742831	
DCM	126739	Ublituximab ^89^Zr			LFB-R603, TG-1101
UMLS	C4506788	UCB-J C <sup>11</sup> ^		C4506788	
DCM	126734	XmAb5574 ^89^Zr			MOR208

For reference unchanged:

## D DICOM Controlled Terminology Definitions (Normative)

**Table D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")**

Code Value	Code Meaning	Definition	Notes
126758	PSMA-1007 F <sup>18</sup> ^	<p>A PET radiotracer targeting PMSA used for prostate cancer imaging.</p> <p>See Giesel FL, Hadaschik B, Cardinale J, Radtke J, Vinsensia M, Lehnert W, et al. F-18 labelled PSMA-1007: biodistribution, radiation dosimetry and histopathological validation of tumor lesions in prostate cancer patients. Eur J Nucl Med Mol Imaging. 2017 Apr 1;44(4):678–88. doi:10.1007/s00259-016-3573-4. <a href="http://link.springer.com/article/10.1007/s00259-016-3573-4">http://link.springer.com/article/10.1007/s00259-016-3573-4</a></p>	