

DICOM Correction Item

Correction Number		CP-623
Log Summary: Additional isotopes and radiopharmaceuticals for PET.		
Type of Modification	Name of Standard	
Enhancement	PS 3.16-2004	
Rationale for Correction		
The lists of isotopes and radiopharmaceuticals in PS 3.16 are incomplete. The purpose of this CP is to update these lists.		
Sections of documents affected		
PS 3.16 Context ID 4020 and Context ID 4021.		
Correction Wording:		

Add the following lines (shown in bold) to PS3.16 Context ID 4020. The editor may sort the list by Code Meaning if desired.

**Context ID 4020
 PET Radionuclide**

Type: Extensible Version: 2002090470625

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SNM3	C-111A1	F ¹⁸ Fluorine
SNM3	C-159A2	Rb ⁸² Rubidium
SNM3	C-107A1	N ¹³ Nitrogen
SNM3	C-105A1	C ¹¹ Carbon
SNM3	C-128A2	Ge ⁶⁸ Germanium
SNM3	C-155A1	Na ²² Sodium
<u>SRT</u>	<u>C-1018C</u>	<u>¹⁴Oxygen</u>
<u>SRT</u>	<u>C-B1038</u>	<u>¹⁵Oxygen</u>
<u>SRT</u>	<u>C-127A4</u>	<u>⁶⁰Copper</u>
<u>SRT</u>	<u>C-127A1</u>	<u>⁶¹Copper</u>
<u>SRT</u>	<u>C-127A5</u>	<u>⁶²Copper</u>
<u>SRT</u>	<u>C-127A2</u>	<u>⁶⁴Copper</u>
<u>SRT</u>	<u>C-131A1</u>	<u>⁶⁶Gallium</u>
<u>SRT</u>	<u>C-131A3</u>	<u>⁶⁸Gallium</u>
<u>SRT</u>	<u>C-113A1</u>	<u>⁷⁵Bromine</u>

<u>SRT</u>	<u>C-113A2</u>	<u>⁷⁶Bromine</u>
<u>SRT</u>	<u>C-113A3</u>	<u>⁷⁷Bromine</u>
<u>SRT</u>	<u>C-114A5</u>	<u>¹²⁴Iodine</u>
<u>SRT</u>	<u>C-135A4</u>	<u>³⁸Potassium</u>
<u>SRT</u>	<u>C-149A1</u>	<u>⁵²Manganese</u>
<u>SRT</u>	<u>C-163AA</u>	<u>^{94m}Technetium</u>
<u>SRT</u>	<u>C-166A2</u>	<u>⁴⁵Titanium</u>
<u>SRT</u>	<u>C-162A3</u>	<u>⁸⁶Yttrium</u>
<u>SRT</u>	<u>C-141A1</u>	<u>⁶²Zinc</u>

Add the following lines (shown in bold) to PS3.16 Context ID 4021

Context ID 4021
PET Radiopharmaceutical
Type: Extensible Version: ~~20020904~~2002090470625

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	V1.1	C-B1043	Acetate C ¹¹
SRT	V1.1	C-B103C	Ammonia N ¹³
<u>SRT</u>		<u>C-B07DB</u>	<u>ATSM Cu⁶⁴</u>
<u>SRT</u>		<u>C-B07DC</u>	<u>Butanol O¹⁵</u>
SRT	V1.1	C-B103B	Carbon dioxide O ¹⁵
SRT	V1.1	C-B1045	Carbon monoxide C ¹¹
SRT	V1.1	C-B103A	Carbon monoxide O ¹⁵
SRT	V1.1	C-B103F	Carfentanil C ¹¹
<u>SRT</u>		<u>C-B07DD</u>	<u>EDTA Ga⁶⁸</u>
<u>SRT</u>		<u>C-B07DE</u>	<u>Flumazenil C¹¹</u>
<u>SRT</u>		<u>C-B07DF</u>	<u>Flumazenil F¹⁸</u>
<u>SRT</u>		<u>C-B07E0</u>	<u>Fluorethyltyrosin F¹⁸</u>
SNM3		C-B1031	Fluorodeoxyglucose F ¹⁸
<u>SRT</u>		<u>C-B07E1</u>	<u>Fluoromisonidazole F¹⁸</u>
<u>SRT</u>		<u>C-B07E2</u>	<u>Fluoromethane F¹⁸</u>
<u>SRT</u>		<u>C-B07E3</u>	<u>Fluorouracil F¹⁸</u>
<u>SRT</u>		<u>C-B07E4</u>	<u>Fluorobenzothiazole F¹⁸</u>
SRT	V1.1	C-B1034	Fluoro-L-dopa F ¹⁸
SRT	V1.1	C-B1046	Germanium Ge ⁶⁸

SRT	V1.1	C-B103D	Glutamate N ¹³
<u>SRT</u>		<u>C-B07E5</u>	<u>Mespiperone C¹¹</u>
SRT	V1.1	C-B103E	Methionine C ¹¹
<u>SRT</u>		<u>C-B07E6</u>	<u>Monoclonal antibody I¹²⁴</u>
SRT	V1.1	C-B1038	Oxygen O ¹⁵
SRT	V1.1	C-B1039	Oxygen-water O ¹⁵
SRT	V1.1	C-B1044	Palmitate C ¹¹
<u>SRT</u>		<u>C-B07E7</u>	<u>PTSM Cu⁶²</u>
SRT	V1.1	C-B1042	Raclopride C ¹¹
SRT	V1.1	C-B1037	Rubidium chloride Rb ⁸²
SNM3		C-B1032	Sodium fluoride F ¹⁸
<u>SRT</u>		<u>C-B07E8</u>	<u>Sodium iodide I¹²⁴</u>
SRT	V1.1	C-B1047	Sodium Na ²²
SRT	V1.1	C-B1033	Spiperone F ¹⁸
SRT	V1.1	C-B1036	Thymidine (FLT)F ¹⁸