

|   |                     |                            |
|---|---------------------|----------------------------|
| 1 | STATUS              | Letter Ballot              |
| 2 | Date of Last Update | 2014/09/08                 |
| 3 | Person Assigned     | David Clunie               |
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| 5 | Submitter Name      | WG 3                       |
| 6 | Submission Date     | 2014/02/24                 |

|    |   |
|----|---|
| 7  | Correction Number CP-1374   |
| 8  | Log Summary: Add Zr 89 Monocolonal Antibody PET Radiotracers  |
| 9  | Name of Standard  |
| 10 | PS 3.16 2014b   |
| 11 | Rationale for Correction:   |
| 12 | A family of Zr 89 Monocolonal Antibody (mAb) PET Radiotracers has been developed and is in use in research, and these need to   |
| 13 | be coded for use in PET objects.  |
| 14 | A generic code for any Zr 89 Monocolonal Antibody (mAb) Radiotracers is also provided, where no specific pharmaceutical has yet |
| 15 | been defined.   |
| 16 | Cu 64 is also used for Monocolonal Antibody (mAb) Radiotracers.   |
| 17 | Correction Wording:   |

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

**CID 4020 PET Radionuclide**

Type: Extensible

Version: 20130207yyymmdd

**Table CID 4020. PET Radionuclide**

| Coding Scheme Designator | Code Value     | Code Meaning         |
|--------------------------|----------------|----------------------|
| ...                      | ...            | ...                  |
| <u>SRT</u>               | <u>C-168A4</u> | <u>^89^Zirconium</u> |
| ...                      | ...            | ...                  |

**CID 4021 PET Radiopharmaceutical**

Type: Extensible

Version: 20130207yyymmdd

**Table CID 4021. PET Radiopharmaceutical**

| Coding Scheme Designator | Code Value   | Code Meaning                            | Other Names              |
|--------------------------|--------------|---|--------------------------|
| ...                      | ...          | ...                                     | ...                      |
| <u>DCM</u>               | <u>dddd1</u> | <u>Monoclonal Antibody (mAb) ^64^Cu</u> |                          |
| <u>DCM</u>               | <u>dddd2</u> | <u>Monoclonal Antibody (mAb) ^89^Zr</u> |                          |
| <u>DCM</u>               | <u>dddd3</u> | <u>Trastuzumab ^89^Zr</u>               | <u>Herceptin™ ^89^Zr</u> |
| <u>DCM</u>               | <u>dddd4</u> | <u>Cetuximab ^89^Zr</u>                 | <u>Erbix™ ^89^Zr</u>     |
| <u>DCM</u>               | <u>dddd5</u> | <u>J591 ^89^Zr</u>                      |                          |
| <u>DCM</u>               | <u>dddd6</u> | <u>cU36 ^89^Zr</u>                      |                          |
| <u>DCM</u>               | <u>dddd7</u> | <u>Bevacizumab ^89^Zr</u>               | <u>Avastin™ ^89^Zr</u>   |
| <u>DCM</u>               | <u>dddd8</u> | <u>cG250-F(ab')(2) ^89^Zr</u>           |                          |
| <u>DCM</u>               | <u>dddd9</u> | <u>R1507 ^89^Zr</u>                     |                          |
| <u>DCM</u>               | <u>ddd10</u> | <u>E4G10 ^89^Zr</u>                     |                          |
| <u>DCM</u>               | <u>ddd11</u> | <u>Df-CD45 ^89^Zr</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 |
|------------|----------------------------------|---|-------|
| dddd1      | Monoclonal Antibody (mAb) ^64^Cu | A Cu 64 Monocolonal Antibody (mAb) PET Radiotracer. |       |
| dddd2      | Monoclonal Antibody (mAb) ^89^Zr | A Zr 89 Monocolonal Antibody (mAb) PET Radiotracer. |       |
| dddd3      | Trastuzumab ^89^Zr               | A Zr 89 Trastuzumab PET Radiotracer.                |       |
| dddd4      | Cetuximab ^89^Zr                 | A Zr 89 Cetuximab PET Radiotracer.                  |       |

| <b>Code Value</b> | <b>Code Meaning</b>    | <b>Definition</b>                        | <b>Notes</b> |
|-------------------|------------------------|--|--------------|
| dddd5             | J591 ^89^Zr            | A Zr 89 J591 PET Radiotracer.            |              |
| dddd6             | cU36 ^89^Zr            | A Zr 89 cU36 PET Radiotracer.            |              |
| dddd7             | Bevacizumab ^89^Zr     | A Zr 89 Bevacizumab PET Radiotracer.     |              |
| dddd8             | cG250-F(ab')(2) ^89^Zr | A Zr 89 cG250-F(ab')(2) PET Radiotracer. |              |
| dddd9             | R1507 ^89^Zr           | A Zr 89 R1507 PET Radiotracer.           |              |
| dddd10            | E4G10 ^89^Zr           | A Zr 89 E4G10 PET Radiotracer.           |              |
| dddd11            | Df-CD45 ^89^Zr         | A Zr 89 Df-CD45 PET Radiotracer.         |              |