

## DICOM Correction Proposal

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|---------------------|--|
| STATUS              | Final Text   |
| Date of Last Update | 2013/04/03   |
| Person Assigned     | Harry Solomon  |
| Submitter Name      | IHE Cardiology, Harry Solomon ( <a href="mailto:harry.solomon@ge.com">harry.solomon@ge.com</a> ) |
| Submission Date     | 2011/05/15   |

|  |         |
|--|---------|
| Correction Number  | CP-1164 |
| Log Summary: Coronary Artery codes   |         |
| Name of Standard<br>PS 3.16 2011 + CP-1097   |         |
| Rationale for Correction<br>Context Group 3014 uses the Bypass Angioplasty Revascularization Investigation (BARI) research project nomenclature for coronary segment identification. This Context Group is referenced only by CID 3015.<br>The BARI project concluded in 2005. The coding scheme has several deficiencies as a clinical reporting nomenclature. The preferred coding scheme for coronary segments should be transitioned to SNOMED for compatibility with other reporting.<br>This change updates that to a primary use of SNOMED with the BARI codes as an informative transcoding for the major arteries, but retains the use of BARI for minor branches where SNOMED has no codes assigned. |         |
| Correction Wording:  |         |

|                               |
|-------------------------------|
| <i>Modify PS 3.16 Annex B</i> |
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**CID 3014          Coronary Artery Segments**

**Context ID 3014**

**Coronary Artery Segments**

**Type: Extensible          Version: ~~20020904~~ 20130403**

| <b>Coding Scheme</b> | <b>Code Value</b> | <b>Code Meaning</b>                      | <b>Equivalent SNOMED-CT Concept ID</b> | <b>Equivalent BARI Code</b> |
|----------------------|-------------------|--|--|-----------------------------|
| SRT                  | T-43117           | 1st Diagonal Coronary Artery             | 91750005                               | 15                          |
| SRT                  | T-4312B           | 1st Left Posterolateral Coronary Artery  | 91757008                               | 24                          |
| SRT                  | T-43128           | 1st Marginal Coronary Artery             | 91754001                               | 20                          |
| SRT                  | T-43213           | 1st Right Posterolateral Coronary Artery | 91761002                               | 6                           |
| SRT                  | T-43002           | 1st Septal Coronary Artery               | 244251006                              | 17                          |
| SRT                  | T-43118           | 2nd Diagonal Coronary Artery             | 91751009                               | 16                          |
| SRT                  | T-4312C           | 2nd Left Posterolateral Coronary Artery  | 91758003                               | 25                          |
| SRT                  | T-43129           | 2nd Marginal Coronary Artery             | 91755000                               | 21                          |
| SRT                  | T-43214           | 2nd Right Posterolateral Coronary Artery | 91762009                               | 7                           |
| SRT                  | T-43119           | 3rd Diagonal Coronary Artery             | 91752002                               | 29                          |
| SRT                  | T-4312D           | 3rd Left Posterolateral Coronary Artery  | 91759006                               | 26                          |
| SRT                  | T-4312A           | 3rd Marginal Coronary Artery             | 91756004                               | 22                          |

|      |         |   |           |     |
|------|---------|---|-----------|-----|
| SRT  | T-43215 | 3rd Right Posterolateral Coronary Artery          | 91763004  | 8   |
| SRT  | T-43230 | Marginal Right Coronary Artery                    | 22765000  | 10  |
| SRT  | T-43124 | AV groove continuation of Circumflex Artery       | 75902001  | 23  |
| SRT  | T-43122 | Distal Circumflex Coronary Artery                 | 6511003   | 19A |
| SRT  | T-43112 | Distal Left Anterior Descending Coronary Artery   | 36672000  | 14  |
| SRT  | T-43202 | Distal Right Coronary Artery                      | 41879009  | 3   |
| SRT  | T-43107 | Left Main Coronary Artery                         | 3227004   | 11  |
| SRT  | T-43105 | Left Main Coronary Artery Ostium                  | 76862008  | 11A |
| SRT  | T-43126 | Left Posterior Descending Artery                  | 56322004  | 27  |
| SRT  | T-43127 | Mid Circumflex Coronary Artery                    | 91753007  | 19  |
| SRT  | T-43115 | Mid Left Anterior Descending Coronary Artery      | 91748002  | 13  |
| SRT  | T-D6515 | Mid Right Coronary Artery                         | 450960006 | 2   |
| SRT  | T-43210 | Posterior Descending Right Coronary Artery        | 53655008  | 4   |
| SRT  | T-43121 | Proximal Circumflex Coronary Artery               | 52433000  | 18  |
| SRT  | T-43111 | Proximal Left Anterior Descending Coronary Artery | 68787002  | 12  |
| SRT  | T-43201 | Proximal Right Coronary Artery                    | 91083009  | 1   |
| SRT  | T-43003 | Intermediate Artery (Ramus)                       | 244252004 | 28  |
| SRT  | T-43205 | Right Coronary Artery Ostium                      | 56789007  | 1A  |
| SRT  | T-43212 | Right Posterior AV Coronary Artery                | 12800002  | 5   |
| BARI | 9       | Posterior Descending Septal perforators           |           | 9   |
| BARI | 15A     | 1st Diagonal Coronary Artery Laterals             |           | 15A |
| BARI | 20A     | 1st Marginal Coronary Artery Laterals             |           | 20A |
| BARI | 16A     | 2nd Diagonal Coronary Artery Laterals             |           | 16A |
| BARI | 21A     | 2nd Marginal Coronary Artery Laterals             |           | 21A |
| BARI | 29A     | 3rd Diagonal Coronary Artery Laterals             |           | 29A |
| BARI | 22A     | 3rd Marginal Coronary Artery Laterals             |           | 22A |
| BARI | 28A     | Ramus Laterals                                    |           | 28A |

**Note:** In prior editions, this Context Group included BARI [1992] codes as the primary set. These have been replaced with equivalent SNOMED codes for the major artery segments. (See PS3.16-2011)

**CID 3015 Coronary Arteries**

**Context ID 3015  
Coronary Arteries**

**Type: Non-Extensible Version: 20030327 20130403**

| <b>Coding Scheme Designator</b>                  | <b>Code Value</b> | <b>Code Meaning</b>                            | <b>SNOMED-CT Concept ID Equivalent</b> |
|--|-------------------|--|--|
| Include CONTEXT ID 3014 Coronary Artery Segments |                   |  |  |
| SRT  | T-43110           | Left Anterior Descending Coronary Artery       | <b><u>59438005</u></b>                 |
| SRT  | T-43200           | Right Coronary Artery                          | <b><u>13647002</u></b>                 |
| SRT  | T-43120           | Circumflex Coronary Artery                     | <b><u>57396003</u></b>                 |
| SRT  | T-43125           | Left Posterolateral Circumflex Coronary Artery | <b><u>57823005</u></b>                 |

|            |                |  |                  |
|------------|----------------|--|------------------|
| SRT        | T-4312E        | Left Posterior Descending Circumflex Coronary Artery | <u>91760001</u>  |
| <u>SRT</u> | <u>T-41065</u> | <u>Coronary Artery Graft</u>                         | <u>264293000</u> |

**CID 3016          Major Coronary Arteries**

**Context ID 3016**

**Major Coronary Arteries**

**Type: Non-Extensible**

**Version: 20080927**

| <b>Coding Scheme Designator</b> | <b>Code Value</b> | <b>Code Meaning</b>                      | <b><u>SNOMED-CT Concept ID Equivalent</u></b> |
|---------------------------------|-------------------|--|---|
| SRT                             | T-43110           | Left Anterior Descending Coronary Artery | <u>59438005</u>                               |
| SRT                             | T-43200           | Right Coronary Artery                    | <u>13647002</u>                               |
| SRT                             | T-43120           | Circumflex Coronary Artery               | <u>57396003</u>                               |
| SRT                             | T-43107           | Left Main Coronary Artery                | <u>3227004</u>                                |