

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2011/10/27
Person Assigned	Harry Solomon
Submitter Name	IHE Cardiology, Harry Solomon
Submission date	2011/03/23

Correction Number	CP-1144
Log Summary:	Correct Wall Motion codes CID 3703
Name of Standard	PS 3.16-2011
Rationale for Correction:	<p>Two codes used in cardiac wall motion assessment are incorrect:</p> <ul style="list-style-type: none"> • While R-4041B is indeed “Hypokinesis” (a general concept), F-32056 “hypokinesis of cardiac wall” is better. • F-32056 “hypokinesis of cardiac wall” is incorrect for the concept “mild hypokinesis”; the correct code is R-00327. (Note that the correct code was used in Table 5204-1.) <p>Additionally, an informative mapping is added to the numeric SNOMED Concept IDs to facilitate transcoding to CDA imaging reports. The concepts Not Evaluated, Unknown, and Not Visualized are not provided equivalents, because in CDA (HL7 v3) these are encoded as “flavors of null”.</p>
Sections of documents affected	PS 3.16 Annex A, B, J
Correction Wording:	

Modify in PS 3.16 Annex A Table 5204-1

TID 5204 Wall Motion Analysis

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Table 5204-1 Numeric Score Assignment for Segmental Findings

A description of the scoring schemes described in the table below is available in *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

Conventional Numeric Assignment	Wall Motion Finding or Morphology Finding		
	4 Point	5 Point	5 Point with Graded Hypokinesis
-1	(F-32050, SRT, "Cardiac	(F-32050, SRT, "Cardiac	(F-32050, SRT, "Cardiac

	Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”)	Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”)	Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”)
0	(F-32050, SRT, “Cardiac Wall Motion”) = (122288, DCM, “Not Visualized”)	(F-32050, SRT, “Cardiac Wall Motion”) = (122288, DCM, “Not Visualized”)	(F-32050, SRT, “Cardiac Wall Motion”) = (122288, DCM, “Not Visualized”)
1	(F-32050, SRT, “Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”)
1.5			(F-32050, SRT, “Cardiac Wall Motion”) = (R-00327, SRT, “Mild Hypokinesis”)
2	(F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B F-32056 , SRT, “Hypokinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B F-32056 , SRT, “Hypokinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (R-0032F, SRT, “Moderate Hypokinesis”)
2.5			(F-32050, SRT, “Cardiac Wall Motion”) = (R-00370, SRT, “Severe Hypokinesis”)
3	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”)
4	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)	(F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”)
5		(G-C504, SRT, “Associated Morphology”) = (D3-10510, SRT, “Ventricular Aneurysm”)	(G-C504, SRT, “Associated Morphology”) = (D3-10510, SRT, “Ventricular Aneurysm”)

Modify in PS 3.16 Annex B CIDs 3703, 3706

CID 3703 Wall Motion

**Context ID 3703
Wall Motion**

Type: Extensible

Version: 2003032720111028

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID Equivalent
SRT	R-00378	Not Evaluated	
SRT	R-41198	Unknown	
DCM	122288	Not visualized	
SRT	R-00344	Normal wall motion	<u>373122000</u>

SRT	R-0030D	Hyperkinetic region	<u>373123005</u>
SRT	R-4041B F-32056	Hypokinesia	<u>37706002</u>
SRT	F-32056 R-00327	Mild Hypokinesia	<u>371868005</u>
SRT	R-0032F	Moderate Hypokinesia	<u>371869002</u>
SRT	R-00370	Severe Hypokinesia	<u>371870001</u>
SRT	F-30004	Akinesia	<u>195675009</u>
SRT	F-32052	Dyskinesia	<u>25437005</u>

Note: In prior editions, this Context Group included incorrect codes for “Hypokinesia” and “Mild Hypokinesia”. (See PS3.16-2009)

Context ID 3706
Overall Contractility

Type: Extensible **Version: 2003032720111028**

<u>Coding Scheme Designator</u>	<u>Code Value</u>	<u>Code Meaning</u>
<u>SRT</u>	<u>R-00341</u>	<u>Normal wall contractility</u>
<u>SRT</u>	<u>R-00398</u>	<u>Hyperkinesia</u>
<u>SRT</u>	<u>R-4041B</u> <u>F-32056</u>	<u>Hypokinesia</u>
<u>SRT</u>	<u>F-30004</u>	<u>Akinesia</u>

Add to PS 3.16 Annex J

SNOMED DICOM Microglossary Retired Codes

<u>Retired Code Value</u>	<u>Code Meaning</u>	<u>Replacement Code (SNOMED)</u>	<u>Notes</u>
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<u>R-4041B</u>	<u>Hypokinesia</u>	<u>F-32056</u>	<u>Replacement code has meaning “Hypokinesia of cardiac wall”</u>
<u>F-32056</u>	<u>Mild hypokinesia</u>	<u>R-00327</u>	<u>F-32056 remains in use as “Hypokinesia of cardiac wall”</u>