

Cardiology: Inpatient Heparin Anticoagulation Protocol Rule KNART Validation Report

Rule: Validation Report

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Department of Veterans Affairs



**Knowledge Based Systems (KBS)
Office of Informatics and Information Governance (OIIG)
Clinical Decision Support (CDS)**

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Cardiology: Inpatient Heparin Anticoagulation Protocol Rule KNART Validation Report: Rule: Validation Report

by Knowledge Based Systems (KBS), Office of Informatics and Information Governance (OIIG), and Clinical Decision Support (CDS)

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Chapter 1. Basic File and Well-formedness Tests

Table 1.1. Summary

Information	Value
File name	CDSK_KRprt_ECA_O11IPHeparin.xml
File size	180.0 KB
Type	Rule
Publication Date	05/24/2018
File Modification Date	05/24/2018 21:37:12
Well-formed XML	YES
MD5	cad6d76b061b48ac117b84dc24873393

Chapter 2. XSD Schema Checks

Table 2.1. KAS Schema Validation Summary

Information	Value
KAS Schema Version	urn:hl7-org:knowledgeartifact:r1
Schema File	knowledgedocument.xsd
Validation Errors	0

Chapter 3. Schematron Checks

Table 3.1. Editorial Convention Check

Information	Value
Editorial Schematron Version	ISO Schematron 2016
Schema File	knart-L3-validation.sch, L3Validation.sch, KnartStyle.sch
Validation Errors	0
Validation Warnings	0

Chapter 4. Terminology Checks via Ontoserver

Table 4.1. Ontoserver Information

Information		Value
Ontoserver URL		https://ontoserver.hspconsortium.org/fhir
Ontoserver Version		5.0
Date of Code Checks		05/24/2018 21:38:42
SNOMED	Version	http://snomed.info/sct/731000124108/version/20170901,http://snomed.info/sct/900000000000207008/version/20170731
	Codes	443237
LOINC	Version	2.61,2.63
	Codes	126207
RXNorm	Version	Does not exist
	Codes	0
v3 Code System EducationLevel	Version	2016-03-23
	Codes	9

Table 4.2. Terminology and ANF Usage

Terminology References			
Total Codes Used ^a		50	
Resolved ^b		45	
Unresolved ^c	5	TSR Requested Codes ^d	1
		SOLOR Placeholder Codes ^e	2
		Other Unresolved ^f	2
ANF Model Reference Information			
anf:ClinicalStatement		NUM_CLINICAL_STATEMENTS	
anf:TSR-NoModel ^g		NUM_TSR_NOMODEL	

^aTotal number of unique codes referenced in the KNART XML.

^bNumber of unique codes used in the KNART XML and present in ontoserver.

^cNumber of unique codes used in the KNART XML and not found in ontoserver.

^dNumber of unique code system and code pairs referenced in the KNART XML with a placeholder ('TSR-NoCode').

^eNumber of unique codes in uuid form referenced in the KNART XML.

^fNumber of other unique codes not found in ontoserver, e.g. RXNorm codes.

^gKAS elements modeled as 'anf:TSR-NoModel' indicates they cannot be modeled in the current version of ANF.

Table 4.3. TSR Requested Codes

	Information	Value
1	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1434
	Column	114
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1434column=114]
2	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1534
	Column	114
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1534column=114]
3	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1772
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1772column=106]
4	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1786
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1786column=106]
5	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1801
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1801column=106]
6	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1816
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode

	Information	Value
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1816column=106]
7	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1831
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1831column=106]
8	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1846
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1846column=106]
9	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1861
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1861column=106]
10	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1876
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1876column=106]
11	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1891
	Column	106
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1891column=106]

Table 4.4. SOLOR Placeholders

	Information	Value
1	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml

	Information	Value
	Line	566
	Column	74
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=566column=74]
2	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	612
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=612column=70]
3	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	642
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=642column=70]
4	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	888
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=888column=70]
5	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	913
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=913column=70]
6	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	938
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=938column=70]

	Information	Value
7	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	964
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=964column=70]
8	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	998
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=998column=70]
9	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1033
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1033column=70]
10	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1068
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1068column=70]
11	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1102
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1102column=70]
12	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1128
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a

	Information	Value
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1128column=70]
13	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1157
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1157column=70]
14	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1183
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1183column=70]
15	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1212
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1212column=70]
16	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1241
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1241column=70]
17	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1267
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1267column=70]
18	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1267
	Column	70

	Information	Value
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 7f601aca-6a66-4922-9a72-7e86a67b36e7
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1267column=70]
19	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1296
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1296column=70]
20	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1325
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1325column=70]
21	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1353
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1353column=70]
22	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1381
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1381column=70]
23	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1409
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1409column=70]
24	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1459

	Information	Value
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1459column=70]
25	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1485
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1485column=70]
26	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1511
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1511column=70]
27	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1603
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1603column=70]
28	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	1628
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=1628column=70]

Table 4.5. Other Unresolved

	Information	Value
1	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	642
	Column	70
	Message	Code 17+F15369002, codeSystem http://snomed.info/sct not found in Ontoserver.

	Information	Value
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=642column=70]
2	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	642
	Column	70
	Message	Code 17+F15369002, codeSystem http://snomed.info/sct is an invalid code format.
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=642column=70]
3	FileName	CDSK_KRprt_ECA_O11IPHeparin.xml
	Line	734
	Column	70
	Message	Code 737675000, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_ECA_O11IPHeparin.xml#line=734column=70]