Endocrinology: Hypoglycemia Rule KNART Validation Report

Rule: Validation Report

Contract: VA118-16-D-1008, Task Order (TO): VA-118-16-F-1008-0007, CLIN0003AG

Department of Veterans Affairs

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

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Endocrinology: Hypoglycemia 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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Cognitive Medical Systems, Inc.

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Chapter 1. Basic File and Well-formedness Tests

Table 1.1. Summary

Information	Value
File name	CDSK_KRprt_ECA_B3Hypogly.xml
File size	73.0 KB
Type	Rule
Publication Date	06/18/2018
File Modification Date	06/18/2018 16:12:03
Well-formed XML	YES
MD5	a3b103ec44b0d4356e9f8d19fad74269

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		06/18/2018 16:12:33
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]		35	
Resolved [b]		31	
Unresolved [c]	4	TSR Requested Codes [d]	1
		SOLOR Placeholder Codes [e]	3
		Other Unresolved [f]	0
ANF Model Reference Information			
anf:ClinicalStatement		36	
anf:TSR-NoModel [g]		0	

[a]Total number of unique codes referenced in the KNART XML.

[b]Number of unique codes used in the KNART XML and present in ontoserver.

[c]Number of unique codes used in the KNART XML and not found in ontoserver.

[d]Number of unique code system and code pairs referenced in the KNART XML with a placeholder ('TSR-NoCode').

[e]Number of unique codes in uuid form referenced in the KNART XML.

[f]Number of other unique codes not found in ontoserver, e.g. RXNorm codes.

[g]KAS 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_B3Hypogly.xml
	Line	625
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=625column=112]
2	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	640
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=640column=112]
3	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	655
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=655column=112]
4	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	669
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=669column=112]
5	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	684
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=684column=112]
6	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	698
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode

	Information	**Value**
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=698column=112]
7	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	712
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=712column=112]
8	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	726
	Column	112
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=726column=112]
9	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	815
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=815column=118]
10	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	830
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=830column=118]
11	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	846
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=846column=118]
12	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	861
	Column	118

	Information	**Value**
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=861column=118]
13	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	876
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=876column=118]
14	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	891
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=891column=118]
15	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	906
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=906column=118]
16	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	921
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=921column=118]
17	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	936
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=936column=118]
18	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	951

	Information	Value
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=951column=118]
19	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1001
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1001column=118]
20	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1016
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1016column=118]
21	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1032
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1032column=118]
22	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1047
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1047column=118]
23	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1062
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1062column=118]
24	FileName	CDSK_KRprt_ECA_B3Hypogly.xml

	Information	Value
	Line	1077
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1077column=118]
25	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1092
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1092column=118]
26	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1107
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1107column=118]
27	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1122
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1122column=118]
28	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	1137
	Column	118
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=1137column=118]

Table 4.4. SOLOR Placeholders

	Information	Value
1	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	353
	Column	74

	Information	Value
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=353column=74]
2	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	371
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=371column=62]
3	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	376
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=376column=62]
4	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	396
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=396column=70]
5	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	396
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 729d3508-98ba-4a1d-8334-9e024a0a760e
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=396column=70]
6	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	421
	Column	70
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=421column=70]
7	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	438
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=438column=62]
8	FileName	CDSK_KRprt_ECA_B3Hypogly.xml

	Information	Value
	Line	444
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=444column=62]
9	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	450
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=450column=62]
10	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	456
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=456column=62]
11	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	462
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=462column=62]
12	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	468
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=468column=62]
13	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	474
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=474column=62]
14	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	480
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a

	Information	Value
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=480column=62]
15	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	486
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=486column=62]
16	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	492
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=492column=62]
17	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	498
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=498column=62]
18	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	504
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=504column=62]
19	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	510
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=510column=62]
20	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	517
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=517column=62]
21	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	517

	Information	**Value**
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: 598fef10-35e6-4460-a507-d23cee99c9fa
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=517column=62]
22	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	523
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=523column=62]
23	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	529
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=529column=62]
24	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	604
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=604column=62]
25	FileName	CDSK_KRprt_ECA_B3Hypogly.xml
	Line	610
	Column	62
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_ECA_B3Hypogly.xml#line=610column=62]