Cardiology: Electrophysiology (EP): Syncope/Bradycardia Order Set

Order Set: Conceptual Structure

Contract: VA118-16-D-1008, Task Order (TO): VA-118-16-F-1008-0007, CLIN0004AE

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

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Cardiology: Electrophysiology (EP): Syncope/Bradycardia Order Set: Order Set: Conceptual Structure

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

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Preface

Table 1. Revision History

| Date | Life Cycle Event | |
|-------------------|------------------|--|
| June 8, 2018 | Published | |
| March 26, 2018 | Published | |
| March 25, 2018 | Reviewed | |
| February 25, 2018 | Reviewed | |
| July 18, 2017 | Created | |

Table 2. Clinical White Paper Contributors

| Name | Role | Affiliation |
|------------------|--------|---|
| Bray Bruce, MD | Author | Professor, Cardiovascular Medicine, University of Utah School of Medicine; Staff Cardiologist, Salt Lake City VA Medical Center |
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Table 3. Artifact Identifier

| Domain | Artifact ID | Name |
|----------------------------------|--------------------------------------|------|
| urn:va.gov:kbs:knart:artifact:r1 | 2f1da8f8-1c06-575a-b49a-9c7be74cb440 | B8 |

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

| Focus | Description | Code Sys- tem | Code | Value Set | Value Set Version |
|-----------------|---|------------------|------|-----------|----------------------|
| PatientAgeGroup | Adult outpatient (excluding unsta- ble/emergent pa- tients) needing Car- diology consult for arrhythmia evalua- tion | | | N/A | N/A |
| ClinicalVenue | Primary Care Clinic | | | N/A | N/A |
| TargetUser | Clinical Providers in Primary Care Clinic | | | N/A | N/A |
| WorkflowSetting | Cardiology Consultation | | | N/A | N/A |
| WorkflowTask | Ensure a minimum workup is initiated prior to a Cardiology Consultation for adult patients who present to a Primary Care Clinic for evaluation of bradycardia, syncope, or near syncope | | | N/A | N/A |

Models

Table 5. Model References

| Referenced Model | Description |
|----------------------------|-------------------------------|
| urn:solor.io:anf-model:0.9 | VA Analysis Normal Form Model |

Chapter 1. External Data Definitions

No externalData expression definitions and no trigger definitions are present.

Chapter 2. Expression Definitions

Table 2.1. 12LeadElectrocardiogram

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic, dateProper-

ty=dateTime

Annotation:

Codes: elm:element[elm:Code]: [447113005 | 12 lead electrocardiogram at rest (procedure)|]

dateRange[elm:Interval] low: elm:Add(elm:Today() elm:Quantity(-2 Month))

high: elm:Today()

Table 2.2. 12LeadElectrocardiogramPerformance

Expression: type=elm:Query

Annotation: Resting 12-lead electrocardiogram to evaluate for arrhythmia Codes: elm:operand[elm:Code]: [398166005 |Performed (qualifier value)]]

Chapter 3. Bradycardia

Consults and Referrals

Consider other consult modalities which may be available (e.g., e-consult or other rapidly iterative consult method. A simple consult is included here as the overarching clinical intent.

Referral to cardiology to evaluate bradycardia

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 183519002 |Referral to cardiology service (procedure)|

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[48867003 | Bradycardia (finding)]

Specific goal of the cardiology consultation (e.g., cardiology to manage patient, cardiology to risk stratify and recommend management, etc.)

prompt: Goal of cardiology consultation

response: String (Single)

Imaging and ECG

Consider ordering prior to the cardiology consultation. Resting 12-lead electrocardiogram is required if it has not been obtained within the past two months.

Condition:elm:Not (elm:Exists(12LeadElectrocardiogramPerformance))

Resting 12-lead electrocardiogram to evaluate for arrhythmia now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 447113005 | 12 lead electrocardiogram at rest (procedure) |

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[698247007 | Cardiac arrhythmia (disorder)]

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

Holter monitor to evaluate for bradycardia now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 427047002 |Holter extended electrocardiographic recording (procedure)|

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[48867003 | Bradycardia (finding)]

Cardiac event monitor to evaluate for bradycardia now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

ue)

priority: Precoordinated Expression 49499008 |Stat (qualifier val-

statementType: Precoordinated Expression 385644000 | Request-

```
ed (qualifier value)
                                topic: Precoordinated Expression 395148004 | Cardiac event
                                recording (regime/therapy)
                                purpose[0]: Postcoordinated Expression [386053000 | Eval-
                                uation procedure (procedure)] ->(363702006 |Has focus (at-
                                tribute))->[48867003 |Bradycardia (finding)]
                                priority: Precoordinated Expression 49499008 |Stat (qualifier val-
                # X-ray chest to evaluate for heart failure now
                actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]
                                statementType: Precoordinated Expression 385644000 |Request-
                                ed (qualifier value)
                                topic: Precoordinated Expression 399208008 | Plain chest X-ray
                                (procedure)
                                purpose[0]: Postcoordinated Expression [386053000 | Eval-
                                uation procedure (procedure)] ->(363702006 |Has focus (at-
                                tribute))->[84114007 | Heart failure (disorder)]
                                priority: Precoordinated Expression 49499008 |Stat (qualifier val-
                                ue)
Laboratory Tests
Consider the following tests to be completed prior to the cardiology consultation.
# Basic metabolic panel now
actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]
                statementType: Precoordinated Expression 385644000 | Requested (qualifier val-
                topic: Precoordinated Expression bd01faa8-443c-4ad6-9cb6-ea50b4d7a093 |Basic
                metabolic profile (procedure)
                priority: Precoordinated Expression 49499008 |Stat (qualifier value)|
# Complete blood count now
actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]
                statementType: Precoordinated Expression 385644000 |Requested (qualifier val-
                topic: Precoordinated Expression 26604007 |Complete blood count (procedure)|
                priority: Precoordinated Expression 49499008 |Stat (qualifier value)|
# Lipid panel now
actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]
                statementType: Precoordinated Expression 385644000 | Requested (qualifier val-
                ue)
                topic: Precoordinated Expression 16254007 |Lipid panel (procedure)|
                                        4
```

priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # Thyroid function testing now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 |Requested (qualifier valtopic: Precoordinated Expression 35650009 |Thyroid panel (procedure)| priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # Troponin now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 |Requested (qualifier valtopic: Precoordinated Expression 105000003 |Troponin measurement (procedure)| priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # Brain natriuretic peptide now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 390917008 |Brain natriuretic peptide measurement (procedure) priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # D-dimer now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 70648006 |D-dimer assay (procedure)| priority: Precoordinated Expression 49499008 |Stat (qualifier value)| Medications Consider discontinuation of nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.). # Discontinue nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.) actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 |Requested (qualifier value) topic: Precoordinated Expression 4701000124104 | Recommendation to discontinue medication (procedure) unstructured[0]: Nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.)

Chapter 4. Syncope/Presyncope

Consults and Referrals

Referral to cardiology to evaluate syncope

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 183519002 |Referral to cardiology service (procedure)|

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[271594007 | Syncope (disorder)]

Referral to cardiology to evaluate presyncope

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 183519002 |Referral to cardiology service (procedure)|

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[427461000 | Near syncope (disorder)]

Imaging and ECG

Resting 12-lead electrocardiogram to evaluate for syncope/presyncope now

Echocardiogram to evaluate for left ventricular function now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 447113005 |12 lead electrocardiogram at rest (procedure)|

purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[271594007 | Syncope (disorder)]

purpose[1]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[427461000 | Near syncope (disorder)]

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

| Holter monitor to evaluate for syncope/presyncope now

prompt: Obtain Holter Monitor Evaluation Duration in Hours

response: Integer (Single)

response range: EnumerationConstraint (List)

item: 24 Hours item: 48 Hours

ritem: Other duration of evaluation

responseBinding: Property ("holterMonitorDuration")

Holter monitor to evaluate for syncope/presyncope now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 427047002 | Holter extended electrocardiographic recording (procedure) purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[271594007 |Syncope (disorder)] purpose[1]: Postcoordinated Expression [386053000] Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[427461000 |Near syncope (disorder)] priority: Precoordinated Expression 49499008 |Stat (qualifier value) repetition[0].periodStart.includeLowerBound: true repetition[0].periodStart.lowerBound: now() repetition[0].periodStart.includeUpperBound: false repetition[0].periodStart.upperBound: holterMonitorDurarepetition[0].periodStart.measureSemantic: Precoordinated Expression 258702006 |hour (qualifier value)| # | Cardiac event monitor to evaluate for syncope/presyncope now # prompt: Obtain Cardiac Event Monitor Evaluation Duration in Hours response: Integer (Single) response range: EnumerationConstraint (List) item: 24 Hours item: 48 Hours ritem: Other duration of evaluation **responseBinding:** Property ("cardiacEventMonitorDuration") # Cardiac event monitor to evaluate for syncope/presyncope now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 395148004 | Cardiac event recording (regime/therapy) purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[271594007 |Syncope (disorder)] purpose[1]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[427461000 |Near syncope (disorder)]

fier value)

priority: Precoordinated Expression 49499008 |Stat (quali-

repetition[0].periodStart.includeLowerBound: true repetition[0].periodStart.includeUpperBound: false repetition[0].periodStart.upperBound: cardiacEventMonitorDuration repetition[0].periodStart.measureSemantic: Precoordinated Expression 258702006 | hour (qualifier value) | # X-ray chest to evaluate for heart failure now # prompt: X-ray chest views response: String (Single) response range: EnumerationConstraint (List) item: PA and lateral views ritem: Other views # X-ray chest to evaluate for heart failure now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 399208008 |Plain chest X-ray (procedure) purpose[0]: Postcoordinated Expression [386053000 | Evaluation procedure (procedure)] ->(363702006 | Has focus (attribute))->[84114007 |Heart failure (disorder)] priority: Precoordinated Expression 49499008 |Stat (qualifier value) Laboratory Tests Consider the following tests to be completed prior to the cardiology consultation. # Basic metabolic panel now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 |Requested (qualifier value) topic: Precoordinated Expression bd01faa8-443c-4ad6-9cb6-ea50b4d7a093 Basic metabolic profile (procedure) priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # Complete blood count now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement] statementType: Precoordinated Expression 385644000 | Requested (qualifier value) topic: Precoordinated Expression 26604007 | Complete blood count (procedure) priority: Precoordinated Expression 49499008 |Stat (qualifier value)| # Lipid panel now actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 16254007 |Lipid panel (procedure)|

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

Thyroid function testing now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 35650009 |Thyroid panel (procedure)|

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

Troponin now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 105000003 |Troponin measurement (procedure)|

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

Brain natriuretic peptide now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 390917008 |Brain natriuretic peptide measurement (procedure)|

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

D-dimer now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 70648006 |D-dimer assay (procedure)|

priority: Precoordinated Expression 49499008 |Stat (qualifier value)|

Medications

Consider discontinuation of nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.).

Remove: Discontinue nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.)

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 4701000124104 |Recommendation to discontinue medication (procedure)|

unstructured[0]: Nonessential negative chronotropic drugs (e.g., beta-blockers, calcium channel blockers, etc.)

Chapter 5. Tabular List

Terminology Service Request (TSR) Mappings

Table 5.1. Terminology Versions

| Name | Identifer | Version |
|-----------|------------------------|--------------------------------|
| SNOMED CT | 2.16.840.1.113883.6.96 | United States Edition 20180301 |
| RXNorm | 2.16.840.1.113883.6.88 | 5-Mar-18 |
| LOINC | 2.16.840.1.113883.6.1 | 2.61 |

Table 5.2. Terminology References

| System | Code | Display Text ^a | References ^b |
|-----------|--|---------------------------|-------------------------|
| SNOMED CT | 105000003 Troponin measurement (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 16254007 Lipid panel (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 183519002 Referral to cardiology service (procedure) | Precoordinated Expression | 3 |
| SNOMED CT | 258702006 hour (qualifier value) | Precoordinated Expression | 2 |
| SNOMED CT | 26604007 Complete blood count (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 35650009 Thyroid panel (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 385644000 Requested (qualifier value) | Precoordinated Expression | 27 |
| SNOMED CT | 390917008 Brain natri- uretic peptide measure- ment (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 395148004 Cardiac event recording (regime/therapy) | Precoordinated Expression | 2 |
| SNOMED CT | 398166005 Performed (qualifier value) | Precoordinated Expression | 1 |
| SNOMED CT | 399208008 Plain chest X-ray (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 427047002 Holter extended electrocardiographic recording (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 447113005 12 lead electrocardiogram at rest (procedure) | Precoordinated Expression | 3 |

| System | Code | Display Text ^a | References ^b |
|--|--|----------------------------|--------------------------------|
| SNOMED CT | 4701000124104 Recommendation to discontinue medication (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | 49499008 Stat (qualifier value) | Precoordinated Expression | 22 |
| SNOMED CT | 70648006 D-dimer assay (procedure) | Precoordinated Expression | 2 |
| SNOMED CT | [386053000 Evaluation procedure (procedure)] - >(363702006 Has focus (attribute))->[271594007 Syncope (disorder)] | Postcoordinated Expression | 4 |
| SNOMED CT | [386053000 Evaluation procedure (procedure)] - >(363702006 Has focus (attribute))->[427461000 Near syncope (disorder)] | Postcoordinated Expression | 4 |
| [386053000 Evaluation procedure (procedure)] - >(363702006 Has focus (attribute))->[48867003 Bradycardia (finding)] | | Postcoordinated Expression | 3 |
| SNOMED CT [386053000 Evaluation procedure (procedure)] - >(363702006 Has focus (attribute))->[698247007 Cardiac arrhythmia (disorder)] | | Postcoordinated Expression | 1 |
| SNOMED CT | [386053000 Evaluation procedure (procedure)] - >(363702006 Has focus (attribute))->[84114007 Heart failure (disorder)] | Postcoordinated Expression | 2 |
| SNOMED CT | bd01faa8-443c-4ad6-9cb6- ea50b4d7a093 Basic metabolic profile (procedure) | Precoordinated Expression | 2 |

^aIf a code is used multiple times in the KNART, only the display text of the first instance is shown.

^bCount of the number of times the given code system and code pair is used in the KNART.

Chapter 6. Behavior Symbols

Table 6.1. Group Organizational Behavior

| Sym- bol | Name | Definition |
|-------------|----------------|---|
| # | Sentence Group | A group of related alternative actions is a sentence group if the item referenced by the action is the same in all the actions, and each action simply constitutes a different variation on how to specify the details for that item. For example, two actions that could be in a SentenceGroup are "aspirin, 500 mg, 2 times per day" and "aspirin, 300 mg, 3 times per day". In both cases, aspirin is the item referenced by the action, and the two actions represent two different options for how aspirin might be ordered for the patient. Note that a SentenceGroup would almost always have an associated selection behavior of "AtMostOne", unless it's a required action, in which case, it would be "ExactlyOne". |
| # | Logical Group | A group with this behavior logically groups its sub-elements, and may be shown as a visual group to the end user, but it is not required to do so. |
| > | Visual Group | Any group marked with this behavior should be displayed as a visual group to the end user. |

Table 6.2. Group Selection Behavior

| Sym- bol | Name | Definition |
|-------------|------------|---|
| # | Any | Any number of the items in the group may be chosen, from zero to all. |
| # | All | All the items in the group must be selected as a single unit. |
| # | AllOrNone | All the items in the group are meant to be chosen as a single unit: either all must be selected by the end user, or none may be selected. |
| # | ExactlyOne | The end user must choose one and only one of the selectable items in the group. The user may not choose none of the items in the group. |
| • | AtMostOne | The end user may choose zero or at most one of the items in the group. |
| * | OneOrMore | The end user must choose a minimum of one, and as many additional as desired. |

Table 6.3. Required Behavior

| Sym- bol | Name | Definition |
|-------------|------|---|
| * | Must | An action with this behavior must be included in the actions processed by the end user; the end user may not choose not to include this action. |

| Sym- bol | Name | Definition |
|-------------|----------------------|--|
| ♦ | Could | An action with this behavior may be included in the set of actions processed by the end user. |
| > | MustUnlessDocumented | An action with this behavior must be included in the set of actions processed by the end user, unless the end user provides documentation as to why the action was not included. |

Table 6.4. Precheck Behavior

| Sym- bol | Name | Definition |
|-------------|------|---|
| • | Yes | An action with this behavior is one of the most frequent actions that is, or should be, included by an end user, for the particular context in which the action occurs. The system displaying the action to the end user should consider "pre-checking" such an action as a convenience for the user. |
| # | No | An action with this behavior is one of the less frequent actions included by the end user, for the particular context in which the action occurs. The system displaying the actions to the end user would typically not "pre-check" such an action. |

Table 6.5. Cardinality Behavior

| Sym- bol | Name | Definition |
|-------------|----------|--|
| • | Single | An action with this behavior may only be completed once. |
| * | Multiple | An action with this behavior may be repeated multiple times. |

Table 6.6. Item Flags

| | ym- ool | Name | Definition |
|---|------------|------|---|
| c | F | | This item, in a list entry, allows the user to enter a fill in value that is not present in the set of presented choices. |

Table 6.7. Read Only Behavior

| Sym- bol | Name | Definition |
|-------------|------|--|
| # | true | For a particular action or action group, specifies whether the elements are read only. |

Appendix A. References

This appendix contains the list of related resources and supporting documents used in creating this KNART.

List of References

Related Resources

[CCWP] Cardiology: Electrophysiology (EP) Arrhythmias Clinical Content White Paper

[CSD] Cardiology: Electrophysiology (EP): Syncope/Bradycardia Order Set Conceptual Structure Document

[KVRpt] Cardiology: Electrophysiology (EP): Syncope/Bradycardia Order Set KNART Validation Report

[AHA Risk Calculator] *American Heart Association Risk Caclulator* (link [http://static.heart.org/riskcalc/app/index.html#!/baseline-risk])

Supporting Evidence

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