



Future State: Cardiovascular - Ambulatory/INA/Radiology/PeriOp/Phys - Invasive Cath Lab Procedure - Overview

Cerner Workflow ID: 1955 (v. 13.0) Client Workflow ID: 283

Last updated by Lezlie Leduc, Jun 04, 2024 1:50pm (UTC -5 hours)

Workflow Details:

Workflow Name: Cardiovascular - Ambulatory/INA/Radiology/PeriOp/Phys - Invasive Cath Lab Procedure - Overview

Workflow State: Future State

Workstream: Ongoing Assessment and Treatment

Venue: Acute Care
Post Acute

Client Owner:

Cerner Owner:

Standard: Yes

Related Workflow(s):

Tags:

Workflow Summary:

Service Line:

Related Solution(s): Cerner Millennium EMR - Acute
Charge Services
Surgical Management

Project Name: Niagara Health System:OPT-0297674:NIAG_CD Niagara HIS RFP

TestBuilder Script(s):

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Workflow Notes: This is a high level workflow that should be localized based upon the clients solution scope and client situation.

Introduced By: WS 5

Validated By: WS 6

Swim Lane:

Role(s): Acute Prescriber [Custom]
Interventional Cardiologist [Custom]

Department(s):

Security Position(s): Physician - Cardiovascular

Start/Stop [42761]

Description: Provider requests Cath Lab Procedure for a patient being seen at NH; by sending a referral to Hamilton Heart Program

Comments: If sending from inside Niagara Health the CCL Cardiac Cath Referral Powerform will be completed and attached documents to be sent via

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referral management.

In the Cath Lab Adhoc folder.

Off Page Reference [43553]

Workflow Link: Ambulatory - Referrals (Originating)

Comments: Referral is sent to Hamilton Heart Program with Referral Powerform and attached documents.

Refer to:

Heart Investigation Unit

Hamilton General

Hospital

Fax number: 905-527-2691

Work Step [43454]

Description: Patients are triaged and booked through the Hamilton Heart Program. List is faxed to NH for scheduling

Swim Lane:

Role(s): Scheduler

Ambulatory Unit Clerk [Custom]

Department(s):

Security Position(s): Scheduling - Clerk

Off Page Reference [43558]

Workflow Link: Work Queue Management - Enterprise Document Management - WQM for Ambulatory

Comments: List for bookings is received at NH and patient appointments are booked into the system

Off Page Reference [43491]

Workflow Link: Scheduling - ESM - Schedule Appointment

Comments: Scheduling to orders. Orders and in RadNet

Heart Catherization - Left

Heart Catherization - Right

Heart Catherization - Right and Left

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Decision [43462]

Description: Is patient coming from inpatient setting or home?

Decision [43463]

Description: Inpatient SCS, Niagara Facility or External site?

Off Page Reference [43483]

Workflow Link: Scheduling - ESM - Check In Appointment

Work Step [43516]

Description: Registration is called to notify of arrival.

Swim Lane:

Role(s): Ward Clerk [Custom]

Department(s):

Security Position(s):

Work Step [43503]

Description: ward clerk arranges porter from ED or non-cardiac floor

Off Page Reference [43561]

Workflow Link: Cap Man Patient Flow-NH Non Urgent Patient Transport

Comments: Some patient are transported by EMS.

Work Step [43511]

Description: Send unit makes arrangements to have patient transported to SC site

Off Page Reference [43517]

Workflow Link: Registration - ERM Leave of Absence

Swim Lane:

Role(s): Nurse (RN)

RPN [Custom]

Critical Care Nurse

Department(s):

Security Position(s): Nurse

Nurse - Critical Care

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Work Step [43404]

Description: Readies patient for procedure and brings patient to procedural area

Comments: IV start

Labs: Nurses do all the draws

Capillary Blood Glucose

Electrolytes NaKCl

Creatinine

CBC

INR PPT

12 Lead ECG

Off Page Reference [43403]

Workflow Link: INA - Inpatient Nursing - Communication and Handoff Process

Off Page Reference [43344]

Workflow Link: Inpatient Nursing - Communication and Handoff Process

Swim Lane:

Role(s): Reception Area Nurse [Custom]

Cardiology Ambulatory Nurse

Department(s):

Security Position(s): Nurse - Cardiology Ambulatory

Nurse

Nurse - Critical Care

Work Step [42763]

Description: Initiate medical directives and pre-procedural treatments (labs, ecg, IV start)

Method: PowerOrders

Comments: Nurse will do:

routine admission labs:

ECG

IV start

Labs: Nurses do all the

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draws
Capillary Blood Glucose
Electrolytes NaKCl
Creatinine
CBC
INR PPT
12 Lead ECG

Build these as favourites folder for Cardiology nurse.

Review inpatient labs, ecg and IV and redo any as necessary.

Off Page Reference [43477]

Workflow Link: INA - Inpatient Nursing - Communication and Handoff Process

Work Step [43474]

Description: Receives TOA from Patient transport.

Off Page Reference [43471]

Workflow Link: Scheduling - ESM - Check In Appointment

Work Step [43469]

Description: Patient arrives via patient transport services

Work Step [43415]

Description: Transport patient to ICU and monitor patient during recovery

Off Page Reference [43489]

Workflow Link: INA - Inpatient Nursing - Communication and Handoff Process

Off Page Reference [43581]

Workflow Link: Work Queue Management - Enterprise Document Management - WQM for Ambulatory

Comments: Generated Report will be faxed to Hamilton Heart Network via WQM.

Work Step [42777]

Description: Document pre-procedure assessments and medications (if applicable)

Method: PowerForm

Value Impact: Patient Safety

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Comments: Powerforms for cath lab to collect histories etc.

Powerform: CCL Preprocedure

Assessment Comprehensive

Decision [42784]

Description: Return to Inpatient Setting or Discharge to Home or Admit

Work Step [42764]

Description: Document ongoing vitals, assessments, medications and site access management

Method: Interactive View

Work Step [43340]

Description: Recover patient and complete documentation provide visit instructions.

Method: Interactive View

Decision [43421]

Description: Inpatient SCS, Niagara Facility or External site?

Off Page Reference [43575]

Workflow Link: Cap Man Patient Flow-NH Non Urgent Patient Transport

Work Step [43570]

Description: Facility transfer patient to next Niagara facility and TOA is completed.

Start/Stop [43433]

Description: Patient report compiled to be included in the package sent to Hamilton Heart Network via WQM

Comments: Nursing will compile report with heart diagram, PCI morphology and Xper work list for the patient for the day and fax the report to Hamilton Heart Unit.

Off Page Reference [43330]

Workflow Link: INA - Inpatient Nursing - Communication and Handoff Process

Off Page Reference [43564]

Workflow Link: Ambulatory - Visit Instructions

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Off Page Reference [43486]

Workflow Link: Scheduling - ESM - Check Out Appointment

Work Step [43431]

Description: Transportation is prebooked by sending facility

Work Step [43572]

Description: Patient is transported to next destination and appointment is checked out. TOA completed with receiving facility.

Swim Lane:

Role(s): Cath Lab Nurse
Cardiology Ambulatory Nurse

Department(s):

Security Position(s): Cardiology - Technologist
Nurse - Critical Care
Nurse - Cardiology Ambulatory
Nurse

Work Step [42767]

Description: Patient arrives in Cath Lab

Work Step [42770]

Description: Reviews and initiates pre-procedure orders, if needed. Patient report given to room.

Method: Interactive View

Comments: patient specific orders:

equipment needed (standard equipment that is not ordered);
Radial Approach

Only need specific equipment if Dr.
wants.

Review the procedural sedation order

Work Step [42766]

Description: Complete procedure Time Out

Method: Interactive View

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Value Impact: Patient Safety

Step Impact: Policy/Procedure

Comments: Nurse verbally gives time-out to Radiology Tech

Work Step [42782]

Description: Administers conscious sedation and monitors patient throughout procedure

Method: Interactive View

Comments: Verbally tells the Radiology tech what was given to document.

Work Step [42783]

Description: Initiate post-procedure order set.

Comments: HIU Post Procedural order set use this in the test script.

*HIU post procedural order set with procedure (Percutaneous Coronary Intervention post procedure order set)

Decision [43336]

Description: Recovery Location?

Swim Lane:

Role(s): Radiology Technologist

Department(s):

Security Position(s):

Document [43409]

Description: Document Procedure Time Out

Method: Interactive View

Comments: documents all verbal information from the nurse and the doctor.

Work Step [42762]

Description: Document procedure information

Comments: document all verbal information from nurse and doctor

document information

given for entire iView band include arterial and Venus sheath.

Work Step [43439]

Description: Capture medications, supplies in Cerner iView; Images in PACS and Hemodynamics system in Xper

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Method: Interactive View

Comments: document in iView:

hemodynamics: is the xper portion

send orders into xper
but nothing comes out of xper.

end of case report: results from the machines will come back from
this is the interpretation by the cardiologist: hemodynamics.

images

supplies used in the test script: drug alluding stent

Work Step [43440]

Description: Complete case in hemodynamics system (Xper) to transmit information to Cerner

Off Page Reference [43585]

Workflow Link: DI - Radiology - Exam Complete

Work Step [43443]

Description: Images are sent to PACS. Scan Hamilton Niagara Regional HIU Cardiac Catheterization/Intervention Report into PACS and EMR

Comments: Tech will scan into Millennium the Heart Diagram and the PCI morphology and give the paper documents to the nurse.

Off Page Reference [43587]

Workflow Link: DI - Radiology - Work Assignment

Off Page Reference [43588]

Workflow Link: DI - Radiology - Study Preparation and Exam Start

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Decision [43590]

Description: Does the order need to be modified

Off Page Reference [43586]

Workflow Link: DI - Radiology - Order Modification

Off Page Reference [43600]

Workflow Link: DI - Radiology - Document Imaging - Single Document Capture

Work Step [43611]

Description: Place holder: need to confirm how the MRT is getting an emergency med order

Swim Lane:

Role(s): Interventional Cardiologist [Custom]
Fellow Physician [Custom]
Cardiology Resident [Custom]

Department(s):

Security Position(s): Physician - Cardiovascular

Work Step [43497]

Description: Meet with patient, obtain consent, place orders.

Work Step [43445]

Description: Assess patient prior to procedure, obtain consent and place procedure orders

Comments: Place the sedation orders for initial dose and prn as needed.

Preprocedural HIU order set.

Preprocedural Cath Lab Order set (order set number 35)

Work Step [43446]

Description: Participates in Procedure Time Out

Work Step [42774]

Description: Perform Procedure; Capture images and hemodynamics

Work Step [42773]

Description: Enter/update post procedure orderset

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Comments: HIU Post Procedural order set (order set number 34)

use this in the test script.

*HIU post procedural order set with procedure (Percutaneous Coronary Intervention post procedure order set) (order set number 68)

Work Step [43529]

Description: Complete a preliminary report (including diagrams).

Comments: Diagram is Hamilton Niagara Regional HIU Cardiac Catheterization/ Intervention Report.

As a paper copy or a fillable PDF.

Off Page Reference [43567]

Workflow Link: Phys Track - Perioperative - Surgeon/ Proceduralist: Day of Procedure

Off Page Reference [43603]

Workflow Link: Phys Track - Transitions - Inpatient Discharge

Comments: Transfer to Hamilton could be an inpatient or an outpatient directly from the Cath Lab.

Off Page Reference [43544]

Workflow Link: Phys Track - Transitions - Direct Admit