

Merge Hemo Device Interface Overview

Cardiac Catheterization Reporting Module

ACV 8.0

doc v1

The Merge Hemodynamics system monitors and records data from a catheterization procedure. The Merge Hemo system exports data to ASCEND when you select Export Study or Close and Export Study from the menu.

Luke Tucker - Condition 1 Monday, July 20, 2020
11:06:08 AM

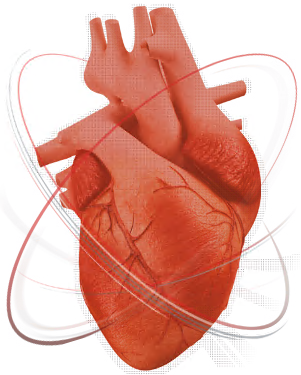
Log Off | Staff | History | Pre-Procedure | Equipment | Chron Log | Hemodynamics | Coding | Post-Procedure | **Study Report**

Export Study | Approve Report | View: Active Study - 07/17/2020 | Preview | Approvals

Close Study | Close And Export Study | Exit | About | Minimize | System Management

MRN: 123456 | Study #: | Date of Birth: 7/19/1979 | Study Date: 7/17/2020

Cardiac Catheterization Report



7/20/2020 11:04:22 | Financial #: | 1 of 2

The Merge Hemodynamics system is organized by tabs representing areas of information for the study. Each tab has vertical sub-tabs which further subdivide data fields. The Chron Log tab contains the list of events occurring in a study, and the cath lab technologist records individual cath lab actions and procedures in the Chron Log.

Luke Tucker - Condition 1 Monday, July 20, 2020
11:30:21 AM

Patient / Study Data
Staff
History
Pre-Procedure
Equipment
Chron Log
Hemo-dynamics
Coding
Post-Procedure
Study Report

View: All | Record

11:20:14	John Galla, MD as completed the diagnostic procedure. There was 100 ml of contrast used and 6.5 minutes of fluoro time for the diagnostic procedure.	Physician Change
11:19:16	LV angiogram performed. 24 ml's of contrast at 12 ml's per second.	Fentanyl
11:19:07	RCA angiogram manually injected using JR4 ST 6Fr x 100cm.	Versed
11:18:54	LCA angiogram manually injected using JL4 ST 6Fr x 100cm.	Case Start
11:16:01	A Avanti+ 6Fr x 11cm was inserted into the Fem Art (right) and advanced. Sheath used for cath placement.	Arterial sheath inserted
11:14:41	Case Start	Sheath exchanged
		Guide catheter Ins/Rem
		Guide catheter exchanged
		Inter Guide cath exchange
		Interventional Wire Ins/Rem
		Interventional wire exchanged
		Coronary angiogram
		Inter PTCA wire exchange
		Balloon Ins/Rem
		Balloon exchanged
		Balloon inflated (UDR)
		Stent inserted
		Stent deployed (UDR)
		Stent balloon re-inflated

Pre Procedure
 Meds
 Left Heart Cath
 Right and Left Heart Cath
 Right Heart Cath
 Saturations
 Coronary Intervention
 ICD Implant
 Post Procedure
 Start
 Required Items
 Status Items
 Code

Single- and dual-physician workflows are supported. The Physician Change defines the transition between diagnostic and interventional phases of the case. The technologist documents each phase of the study and exports details.

Luke Tucker - Condition 1 10.199.0.171 Monday, July 20, 2020 11:33:06 AM

Patient / Study Data Staff History Pre-Procedure Equipment **Chron Log** Hemo-dynamics Coding Post-Procedure Study Report

View: All Record

Procedure: Physician Change - Dale Hardy, MD **11:32:13**

Physician Change

Staff: Dale Hardy, MD

Comment: Dale Hardy, MD has entered the study to begin the next phase of the procedure.

Buttons: Repeat, Delete, Complication

11:20:14	John Galla, MD as completed the diagnostic procedure. There was 100 ml of contrast used and 6.5 minutes of fluoro time for the diagnostic procedure.
11:19:16	LV angiogram performed. 24 ml's of contrast at 12 ml's per second.
11:19:07	RCA angiogram manually injected using JR4 ST 6Fr x 100cm.
11:18:54	LCA angiogram manually injected using JL4 ST 6Fr x 100cm.
11:16:01	A Avanti+ 6Fr x 11cm was inserted into the Fem Art (right) and advanced. Sheath used for cath placement.
11:14:41	Case Start

Physician Change
Fentanyl
Versed
Case Start
Arterial sheath inserted
Sheath exchanged
Guide catheter Ins/Rem
Guide catheter exchanged
Inter Guide cath exchange
Interventional Wire Ins/Rem
Interventional wire exchanged
Coronary angiogram
Inter PTCA wire exchange
Balloon Ins/Rem
Balloon exchanged

Pre Procedure Meds Left Heart Cath Right and Left Heart Cath Right Heart Cath Saturations Coronary Intervention ICD Implant Post Procedure Start Required Items Status Items Code

For a single-physician case, you must record the fluoroscopy time in the Post-procedure tab. For a dual-physician case, you instead record fluoroscopy time in two instances of the End Study Seg Info event, one for each phase (diagnostic/interventional).

Luke Tucker - Condition 1 10:19:0.171 Monday, July 20, 2020 11:34:24 AM

Patient / Study Data | Staff | History | Pre-Procedure | Equipment | Chron Log | Hemo-dynamics | Coding | Post-Procedure | Study Report

View: All

Procedure: End Study Seg Info - Dale Hardy, MD 11:20:14

Staff: John Galla, MD

Study Type: diagnostic

Contrast: 100 Fluoro Time: 6.5

Comment: John Galla, MD as completed the diagnostic procedure. There was 100 ml of contrast used and 6.5 minutes of fluoro time for the diagnostic procedure.

Repeat | Delete | Complication

11:19:16 LV angiogram performed. 24 ml's of contrast at 12 ml's per second.

11:19:07 RCA angiogram manually injected using JR4 ST 6Fr

11:18:54 LCA angiogram manually injected using JL4 ST 6Fr

11:16:01 A Avanti+ 6Fr x 11cm was inserted into the Fem Art used for cath placement.

11:14:41 Case Start

Physician Change: Fentanyl, Versed, Case Start, Arterial sheath inserted, Sheath exchanged, Guide catheter Ins/Rem, Guide catheter exchanged, Inter Guide cath exchange, Interventional Wire Ins/Rem, Interventional wire exchanged

Pre Procedure | Meds | Left Heart Cath | Right and Left Heart Cath | Right Heart Cath | Saturations | Coronary Intervention | ICD Implant | Post Procedure | Start | Required Items

Luke Tucker - Condition 1 10:19:0.171 Monday, July 20, 2020 11:36:41 AM

Patient / Study Data | Staff | History | Pre-Procedure | Equipment | Chron Log | Hemo-dynamics | Coding | Post-Procedure | Study Report

View: All

Procedure: End Study Seg Info - Dale Hardy, MD 11:35:49

Staff: Dale Hardy, MD

Study Type: interventional

Contrast: 150 Fluoro Time: 8

Comment: Dale Hardy, MD as completed the interventional procedure. There was 150 ml of contrast used and 8 minutes of fluoro time for the interventional procedure.

Repeat | Delete | Complication

11:32:13 Dale Hardy, MD has entered the study to begin the next phase of the procedure.

11:20:14 John Galla, MD as completed the diagnostic procedure. There was 100 ml of contrast used and 6.5 minutes of fluoro time for the diagnostic procedure.

11:19:16 LV angiogram performed. 24 ml's of contrast at 12 ml's per second.

11:19:07 RCA angiogram manually injected using JR4 ST 6Fr x 100cm.

11:18:54 LCA angiogram manually injected using JL4 ST 6Fr x 100cm.

11:16:01 A Avanti+ 6Fr x 11cm was inserted into the Fem Art (right) and advanced. Sheath used for cath placement.

11:14:41 Case Start

Medication | Free Text | Vital Start/Stop | Vitals Capture | Assessment | Reference ECG | Zero Transducer | Condition Set/Select | Record Pressure | Record 12 Lead ECG | Thermo CO | Procedure | Comment | Saturation | FFR

Pre Procedure | Meds | Left Heart Cath | Right and Left Heart Cath | Right Heart Cath | Saturations | Coronary Intervention | ICD Implant | Post Procedure | Start | Required Items | Status Items | Code

Procedures recorded in the Merge Hemodynamics Chron Log track data that will be imported into ASCEND. The Merge Hemodynamics device interface also transfers many specific data items in addition to the procedure narrative and the diagnostic/interventional split information. These include:

- Patient demographics
- Lab results
- Complications
- Historical and administered medications
- Hemodynamic measurements
- Contrast
- Radiation exposure
- NCDR CathPCI Registry 5 data
- Lesions



ASCEND[®]

HEALTH INFORMATION TECHNOLOGY

www.ascendhit.com

Phone (Toll Free): 844-413-2610

Email: information@ascendhit.com

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