

1 Month Followup - Intermacs

Followup Status

Select one of the following

- Inpatient
- Outpatient
- Other Facility
- Unable to obtain follow-up information

Follow-up date

Facility Type

- Nursing Home/Assisted Care
- Hospice
- Another hospital
- Rehabilitation Facility
- Unknown

State reason why you are unable to obtain follow-up information

- Patient didn't come to clinic
- Not able to contact patient
- Not addressed by site

Was patient intubated since implant? (This includes all time since last follow-up.)

- Yes
- No
- Unknown

Was patient on dialysis since implant? (This includes all time since last follow-up.)

- Yes
- No
- Unknown

Pump Change

Pump Exchange

- Yes
- No
- Unknown

Pump Exchange Reason

- Thrombus not associated with hemolysis
- Change in hemodynamics
- Clinical status
- Device parameters (please enter Device Malfunction Form)
- Upsizing device because of patient growth status

Was there a Console Change? (For TAH or Berlin Heart Consoles)

- Yes
- No
- Unknown

Date of console change

ST= Unknown

Original Console Name

New Console Name**Medical Condition****NYHA Class**

- Class I: No limitation of physical activity; physical activity does not cause fatigue, palpitation or shortness of breath.
- Class II: Slight limitation of physical activity; comfortable at rest, but ordinary physical activity results in fatigue, palpitations or shortness of breath.
- Class III: Marked limitation of physical activity; comfortable at rest, but less than ordinary activity causes fatigue, palpitation or shortness of breath.
- Class IV: Unable to carry on minimal physical activity without discomfort; symptoms may be present at rest.
- Unknown

ZONES**Hemolysis Zone**

Please enter the peak Plasma-free hemoglobin (PFH) since the last visit:

ST= Unknown
 Not Done

What is your hospital's upper limit of the normal range of peak PFH?

ST= Unknown
 Not Done

Please enter the peak serum lactate dehydrogenase (LDH) since the last visit:

ST= Unknown
 Not Done

What is your hospital's upper limit of the normal range of LDH?

ST= Unknown
 Not Done

Enter the Maximum and Minimum HCT or HGB since the last visit.

Min. HCT:

ST= Unknown
 Not Done

Max. HCT:

ST= Unknown
 Not Done

Min. HGB:

ST= Unknown
 Not Done

Max. HGB:ST= Unknown Not Done**Highest Total Bilirubin since the last visit:**ST= Unknown Not Done**Has the following been present at any time since the last visit?****Physical Findings:****Hemoglobinuria (Tea-Colored Urine)?** Yes No Unknown**Pump malfunction and/or abnormal pump parameters?** Yes No Unknown**Right Heart Failure Zone****Clinical Findings – Since the last visit.****CVP or RAP > 16 mmHg?** Yes No Unknown Not Done**Dilated Vena Cava with absence of Inspiratory Variation by Echo (If absence of Inspiratory Variation is not documented, Check No)?** Yes No Unknown Not Done**Clinical findings of elevated jugular venous distension at least half way up the neck in an upright patient (If ≥ 6 cm, Check Yes)?** Yes No Unknown**Peripheral Edema (If ≥ 2 , Check Yes)?** Yes No Unknown**Ascites?** Yes No Unknown**Has the patient been on Inotropes since the last visit?** Yes No Unknown

If yes, select all that apply:

- Dopamine
- Dobutamine
- Milrinone
- Isoproterenol
- Epinephrine
- Norepinephrine
- Levosimendan
- Unknown

Nesiritide?

- Yes
- No
- Unknown

Did the patient have an RVAD implanted since the last follow-up?

- Yes
- No
- Unknown

Has the patient experienced a Neurological Event since time of implant?

- Yes
- No
- Unknown

If yes, you may enter either the Modified Rankin Scale and/or the NIH Stroke Scale.

Modified Rankin Scale

- 0 – No symptoms at all
- 1 - No Significant disability: despite symptoms: able to carry out all usual duties and activities
- 2 - Slight disability: unable to carry out all previous activities but able to look after own affairs without assistance
- 3 - Moderate disability: requiring some help, but able to walk without assistance.
- 4 - Moderately severe disability: unable to walk without assistance, and unable to attend to own bodily needs without assistance.
- 5 - Severe disability: bedridden, incontinent and requiring constant nursing care and attention.
- 6 - Dead

ST= Not Documented

Not Done

NIH Stroke Scale

- 0: No Stroke
- 1-4: Minor Stroke
- 5-15: Moderate Stroke
- 16-20: Moderate to Severe Stroke
- 21-42: Severe Stroke

ST= Not Documented

Not Done

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Hemodynamics

General Hemodynamics

Heart rate beats per min

ST= Unknown

Not done

Systolic blood pressure mmHg

ST= Unknown

Not done

Diastolic blood pressure mmHg

ST= Unknown

Not done

Doppler Opening Pressure

ST= Unknown

Not done

Not applicable

ECG rhythm

Sinus

Atrial fibrillation

Atrial Flutter

Paced: Atrial pacing

Paced: Ventricular pacing

Paced: Atrial and ventricular pacing

Not done

Unknown

Other, specify

Weight lbs

kg

ST= Unknown

Not done

Echo Findings

Mitral regurgitation

0 (none)

1 (mild)

2 (moderate)

3 (severe)

Not Recorded or Not Documented

Tricuspid regurgitation

0 (none)

1 (mild)

- 2 (moderate)
- 3 (severe)
- Not Recorded or Not Documented

Aortic regurgitation

- 0 (none)
- 1 (mild)
- 2 (moderate)
- 3 (severe)
- Not Recorded or Not Documented

LVEF

- > 50 (normal)
- 40-49 (mild)
- 30-39 (moderate)
- 20-29 (moderate/severe)
- < 20 (severe)
- Not Recorded or Not Documented
- Unknown

If a number or range is available, check the number range that best applies. For example, a reported ejection fraction of 30-35 would be entered as 30-40. Occasionally the LVEF may be described only as "left ventricular function" or "systolic function" in words. "Mild impairment, mildly reduced, or mild decrease" would all be characterized as "mild".

LVEDD
 cm

 ST= Not Recorded or Not Documented
RVEF

- Normal
- Mild
- Moderate
- Severe
- Not Done
- Not Applicable
- Unknown

RV Function is generally NOT measured in numbers, as it is difficult to quantify. It may be described as "right ventricular function" or "right ventricular contractility". "Mild impairment, mildly reduced, or mild decrease" would all be characterized as "mild". Again, mild-moderate would be recorded as moderate, and moderate-severe would be recorded as "severe".

Swan Hemodynamics**Pulmonary artery systolic pressure**
 mmHg

 ST= Unknown
 Not done
Pulmonary artery diastolic pressure
 mmHg

 ST= Unknown
 Not done
Mean RA Pressure
 mmHg

 ST= Unknown
 Not done

Central venous pressure (CVP) mmHgST= Unknown
 Not done**Mean Pulmonary artery wedge pressure** mmHgST= Unknown
 Not done**Cardiac Index** L/min/M² (by Swan)ST= Unknown
 Not done**Was Cardiac Index Measured by Fick or Thermodilution?** Yes
 No
 Unknown**Choose Method** Fick
 Thermodilution**Cardiac output** Liters/minST= Unknown
 Not done**Was Cardiac Output Measured by Fick or Thermodilution?** Yes
 No
 Unknown**Choose Method** Fick
 Thermodilution

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Medications

Hydralazine

Yes
 No
 Unknown

Calcium channel blockers

Yes
 No
 Unknown

Angiotensin receptor blocker drug

Yes
 No
 Unknown

Amiodarone

Yes
 No
 Unknown

ACE inhibitors

Yes
 No
 Unknown

Thrombolytic

Yes
 No
 Unknown

Beta-blockers

Yes
 No
 Unknown

Aldosterone antagonist

Yes
 No
 Unknown

**Low molecular weight heparin
(Lovenox, Fragmin, Innohep)**

Yes
 No
 Unknown

UFH: Unfractionated Heparin

Yes
 No
 Unknown

Warfarin (coumadin)

Yes
 No
 Unknown

Arixtra (fondaparinux)

Yes
 No
 Unknown

Antiplatelet therapy drug

- Yes
- No
- Unknown

Select drug(s)

- Aspirin
- Dextran
- Dipyridamole
- Clopidogrel
- Ticlopidine
- Unknown
- Other, specify

Nitric oxide

- Yes
- No
- Unknown

Phosphodiesterase inhibitor

- Yes
- No
- Unknown

Digoxin

- Yes
- No
- Unknown

Loop diuretics

- Yes
- No
- Unknown

If yes, enter dosage:

 mg/day

ST= Unknown

Type of Loop Diuretic:

- Furosemide
- Torsemide
- Bumetanide
- Other

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Laboratory

Sodium mEq/L
 mmol/L
 ST= Unknown
 Not done

Potassium mEq/L
 mmol/L
 ST= Unknown
 Not done

Blood urea nitrogen mg/dL
 mmol/L
 ST= Unknown
 Not done

Creatinine mg/dL
 umol/L
 ST= Unknown
 Not done

SGPT/ALT (alanine aminotransferase/ALT) u/L
 ST= Unknown
 Not done

SGOT/AST (aspartate aminotransferase/AST) u/L
 ST= Unknown
 Not done

LDH units/L, U/L, ukat/L
 ST= Unknown
 Not done

Total bilirubin mg/dL
 umol/L
 ST= Unknown
 Not done

Bilirubin direct mg/dL
 umol/L
 ST= Unknown
 Not Done

Bilirubin indirect mg/dL
 umol/L
 ST= Unknown
 Not Done

Albumin g/dL
 g/L
 ST= Unknown
 Not done

Pre-albumin mg/dL
 mg/L
 ST= Unknown
 Not done

Total Cholesterol mg/dL
 mmol/L
 ST= < 50 mg/dL
 Unknown
 Not done

Brain natriuretic peptide BNP pg/ml
 ng/L
 ST= > 7500 pg/mL
 Unknown
 Not done

NT pro brain natriuretic peptide Pro-BNP pg/ml
 ng/L
 ST= Unknown
 Not done

White blood cell count $\times 10^3/\mu\text{L}$
 $\times 10^9/\text{L}$
 ST= Unknown
 Not done

Reticulocyte count %
 ST= Unknown
 Not Done

Hemoglobin g/dL
 g/L
 mmol/L
 ST= Unknown
 Not done

Hemoglobin A1C % mmol/mol**Estimated Average Glucose (eAG):** mg/dL mmol/LST= Unknown Not Done**Platelets** x10³/uL x10⁹/LST= Unknown Not done**INR** international unitsST= Unknown Not done**Plasma-free hemoglobin** mg/dL g/LST= Unknown Not Done**Positive antiheparin/platelet antibody (HIT)** Yes No Unknown**If Yes, are they on direct thrombin inhibitors** Yes No Unknown**If Yes, Enter Drugs:** Plavix Heparin Coumadin Direct thrombin inhibitors (ex: arg, lip, val...) Aspirin Dipyridamole**Was a TEG done?** Yes No Unknown**ThrombElastoGraph Hemostasis System (TEG) profile, MA k** max amplitude in kaolinST= Unknown Not Done**ThrombElastoGraph Hemostasis System (TEG) profile, R k** reaction time in kaolinST= Unknown Not Done

**ThrombElastoGraph
HemostasisSystem (TEG) profile, R
h**

reaction time w/heparinase

- ST= Unknown
 Not Done

CRP or hs-CRP

mg/dL

- ST= Unknown
 Not done

Lupus Anticoagulant

- Positive
 Negative
 Unknown

Uric acid

mg/dL

umol/L

- ST= <1 mg/dL
 Unknown
 Not done