

# 1 Week Followup - Intermacs

## Followup Status (1 Week Followup (+/- 3 days))

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 Post-Op Day 4:

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 Post-Op Day 4:

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 Post-Op Day 4.**

**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 Post-Op Day 4:**ST=  Unknown Not Done**Has the following been present at any time since Post-Op Day 4?  
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  $\geq 6$  cm, Check Yes)?** Yes No Unknown**Peripheral Edema (If  $\geq 2$ , 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/M<sup>2</sup> (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

**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

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**Phosphodiesterase inhibitor**

- Yes
- No
- Unknown

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**Digoxin**

- Yes
- No
- Unknown

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**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/LST=  Unknown  
 Not Done**Albumin** g/dL  
 g/LST=  Unknown  
 Not done**Pre-albumin** mg/dL  
 mg/LST=  Unknown  
 Not done**Total Cholesterol** mg/dL  
 mmol/LST=  < 50 mg/dL  
 Unknown  
 Not done**Brain natriuretic peptide BNP** pg/ml  
 ng/LST=  > 7500 pg/mL  
 Unknown  
 Not done**NT pro brain natriuretic peptide Pro-BNP** pg/ml  
 ng/LST=  Unknown  
 Not done**White blood cell count** x10<sup>3</sup>/uL  
 x10<sup>9</sup>/LST=  Unknown  
 Not done**Reticulocyte count** %ST=  Unknown  
 Not Done**Hemoglobin** g/dL  
 g/L  
 mmol/LST=  Unknown  
 Not done

**Hemoglobin A1C** % mmol/mol**Estimated Average Glucose (eAG):** mg/dL mmol/LST=  Unknown

Not Done

**Platelets** x10<sup>3</sup>/uL x10<sup>9</sup>/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

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**Uric acid**

mg/dL

umol/L

- ST=  <1 mg/dL  
 Unknown  
 Not done