**Followup Status**

- **Select one of the following**
  - Inpatient
  - Outpatient
  - Other Facility
  - Unable to obtain follow-up information
  - Telehealth Consultation

- **Follow-up date**
  - MM/DD/YYYY

- **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

- **Patient’s Home Street Address**
  - ST= Unknown
  - Undisclosed

- **Patient’s Home City**
  - ST= Unknown
  - Undisclosed

- **Patient’s Home State/Territory/Province**
  - Alabama
  - Alaska
  - American Samoa
  - Arizona
  - Arkansas
  - California
  - Colorado
  - Connecticut
  - Delaware
  - District of Columbia
  - Federated States of Micronesia
  - Florida
  - Georgia
  - Guam
  - Hawaii
  - Idaho
  - Illinois
  - Indiana
  - Iowa
  - Kansas
  - Kentucky
Was patient on dialysis since implant? (This includes all time since last follow-up.)
- Yes
- No
- Unknown

Since the last follow-up has the patient tested positive for COVID-19?
- Yes
- No
- Unknown

If yes, select all symptoms that apply:
- Cough
- Diarrhea
- Fever
- Anosmia (loss of sense of smell)
- Sore Throat
- Difficulty Breathing
- None
- Other, Specify

If yes, select all interventions that apply:
- Intubation
- New Inotropes
- ECMO
- Dialysis
- RVAD
- None
- Other, Specify

If yes, select all therapies the patient received (select all that apply):
- Hydroxychloroquine
- Azithromycin
- Immunoglobin
- Anti-viral therapy
- Steroids
- Convalescent Plasma
- Interlukin 6 inhibitor
- None
- Other, Specify

Anti-viral therapy, specify:

Console Change

Was there a Console Change? (For TAH or Berlin Heart Consoles)
- Yes
- No
- Unknown

Date of console change

Original Console Name

New Console Name
## Medical Condition

### NYHA Class

New York Heart Association Class for heart failure

- **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**

### Was there a hemolysis event since the last followup?

- **Yes**
- **No**
- **Unknown**

### Was there a right heart failure event since the last followup?

- **Yes**
- **No**
- **Unknown**

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

Note: This applies only to patients who have had a CVA, TIA or Anoxic Brain Injury.

- **Yes**
- **No**
- **Unknown**

### Modified Rankin Scale

Please click here for further instruction on administering the Modified Rankin Scale in Appendix I.

- **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
- **Not Documented**
- **Not Done**

### Note:

Please check that you have entered all Major Outcomes and Adverse Events since the last follow-up. To enter an adverse event click on the button located at the top of the patient overview screen.

- Rehospitalization
- Major Infection
- Major Bleeding
- Neurological Dysfunction
- Device Malfunction (if suspected device thrombosis, then enter as Device Malfunction)
- Extracorporeal/Paracorporeal Pump Change
- Hemolysis
- Right Heart Failure
- Renal Dysfunction
- Cardiac Arrhythmia
- Respiratory Failure
- Venous Thromboembolic Event
- Wound Dehiscence
- Arterial Non-CNS Thromboembolism
- Hypertension
- Hepatic Dysfunction
<table>
<thead>
<tr>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychiatric Episode</td>
</tr>
<tr>
<td>Pericardial Fluid Collection</td>
</tr>
<tr>
<td>Myocardial Infarction</td>
</tr>
<tr>
<td>Other SAE</td>
</tr>
<tr>
<td>Death</td>
</tr>
<tr>
<td>Explant due to Exchange</td>
</tr>
<tr>
<td>Explant due to Recovery</td>
</tr>
<tr>
<td>Explant due to Transplant</td>
</tr>
</tbody>
</table>

**1 Month Followup Status**

7/18/22
Intermacs

1 Month Followup

Hemodynamics

All data collected on this form should be collected at the same time. Data may be entered that was collected/performed from the last time the patient was seen for follow-up to the current visit date.

**General Hemodynamics**

<table>
<thead>
<tr>
<th>General Hemodynamics Date</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
</tr>
<tr>
<td>Not Done</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heart rate</th>
<th>beats per min</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Systolic blood pressure</th>
<th>mmHg</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diastolic blood pressure</th>
<th>mmHg</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mean arterial blood pressure</th>
<th>mmHg</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ECG rhythm**

- Sinus
- Atrial fibrillation
- Atrial Flutter
- Atrial dysrhythmia, Other
- Atrial paced, Ventricular sensed
- Atrial sensed, Ventricular paced
- Atrial paced, Ventricular paced
- Junctional
- Not done
- Unknown
- Other, specify

Enter the weight of the patient at the time of follow-up in the appropriate space, in pounds or kilograms. The weight must fall between 5 and 600 pounds or 2 and 273 kilograms.

<table>
<thead>
<tr>
<th>Weight</th>
<th>lbs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
<th>kg</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ST= Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not done</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Echo Findings

## Echo Hemodynamics Date

- **ST**: 
  - Unknown
  - Not Done

### Mitral regurgitation

Mitral regurgitation should be recorded on a qualitative scale (if 'trivial' then assign as mild). Moderate-severe would be recorded as 'severe'.

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

### Tricuspid regurgitation

Tricuspid regurgitation should be recorded on a qualitative scale (if 'trivial' then assign as mild). Moderate-severe would be recorded as 'severe'.

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

### Aortic regurgitation

Aortic regurgitation should be recorded on a qualitative scale (if 'trivial' then assign as mild). Moderate-severe would be recorded as 'severe'.

- 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

### LVEDD

- cm

- **ST**: Not Recorded or Not Documented

### RVEF

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

# Swan Hemodynamics

## Swan Hemodynamics Date

- **ST**: 
  - Unknown
  - Not Done
<table>
<thead>
<tr>
<th>Hemodynamic Parameter</th>
<th>Value</th>
<th>ST:</th>
<th>Unknown</th>
<th>Not done</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pulmonary artery systolic pressure</strong></td>
<td></td>
<td></td>
<td>Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td><strong>Pulmonary artery diastolic pressure</strong></td>
<td></td>
<td></td>
<td>Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td><strong>Mean Pulmonary Artery Capillary Wedge Pressure</strong></td>
<td></td>
<td></td>
<td>Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td><strong>Central Venous Pressure (CVP) or Right Atrial Pressure</strong></td>
<td></td>
<td></td>
<td>Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td><strong>Cardiac Index</strong></td>
<td></td>
<td></td>
<td>Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td><strong>Was Cardiac Index Measured by Fick or Thermodilution?</strong></td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Choose Method</strong></td>
<td></td>
<td></td>
<td>Fick</td>
<td>Thermodilution</td>
</tr>
<tr>
<td><strong>Cardiac output</strong></td>
<td></td>
<td></td>
<td>L/min</td>
<td></td>
</tr>
<tr>
<td><strong>Was Cardiac Output Measured by Fick or Thermodilution?</strong></td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Choose Method</strong></td>
<td></td>
<td></td>
<td>Fick</td>
<td>Thermodilution</td>
</tr>
</tbody>
</table>
**Medications**

<table>
<thead>
<tr>
<th>Medication</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydralazine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Calcium channel blockers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Angiotensin receptor blocker drug</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Amiodarone</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ACE inhibitors</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Thrombolytic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Beta-blockers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aldosterone antagonist</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Low molecular weight heparin (Lovenox, Fragmin, Innohep)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UFH: Unfractionated Heparin</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Warfarin (coumadin)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Arixtra (fondaparinux)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Argatroban</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Bivalrudin
- Yes
- No
- Unknown

### Antiplatelet therapy drug
- Yes
- No
- Unknown

**Select drug(s)**
- Aspirin
- Dextran
- Dipyridamole
- Clopidogrel
- Ticlopidine
- Unknown
- Other, specify

### ARNi (Entresto)
- Yes
- No
- Unknown

### Nitric oxide
- Yes
- No
- Unknown

**Document Flolan here**

### Phosphodiesterase inhibitor
- Yes
- No
- Unknown

*Please enter only for the indication of Pulmonary Hypertension or Right Heart Failure*

### 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
### Laboratory

<table>
<thead>
<tr>
<th>Test</th>
<th>Value 1</th>
<th>Value 2</th>
<th>ST</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blood urea nitrogen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creatinine</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SGPT/ALT (alanine aminotransferase/ALT)</td>
<td></td>
<td>u/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SGOT/AST (aspartate aminotransferase/AST)</td>
<td></td>
<td>u/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDH</td>
<td></td>
<td>units/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total bilirubin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bilirubin direct</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**1 Month Followup Laboratory**

<table>
<thead>
<tr>
<th>Test</th>
<th>Unit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bilirubin indirect</strong></td>
<td>mg/dL</td>
</tr>
<tr>
<td></td>
<td>umol/L</td>
</tr>
<tr>
<td><strong>Albumin</strong></td>
<td>g/dL</td>
</tr>
<tr>
<td></td>
<td>g/L</td>
</tr>
<tr>
<td><strong>Pre-albumin</strong></td>
<td>mg/dL</td>
</tr>
<tr>
<td></td>
<td>mg/L</td>
</tr>
<tr>
<td><strong>Total Cholesterol</strong></td>
<td>mg/dL</td>
</tr>
<tr>
<td></td>
<td>mmol/L</td>
</tr>
<tr>
<td><strong>Brain natriuretic peptide BNP</strong></td>
<td>pg/ml</td>
</tr>
<tr>
<td></td>
<td>ng/L</td>
</tr>
<tr>
<td><strong>NT pro brain natriuretic peptide Pro-BNP</strong></td>
<td>pg/ml</td>
</tr>
<tr>
<td></td>
<td>ng/L</td>
</tr>
<tr>
<td><strong>Reticulocyte count</strong></td>
<td>%</td>
</tr>
<tr>
<td><strong>White blood cell count</strong></td>
<td>x10^9/uL</td>
</tr>
<tr>
<td></td>
<td>x10^9/L</td>
</tr>
<tr>
<td><strong>Hemoglobin</strong></td>
<td>g/dL</td>
</tr>
<tr>
<td></td>
<td>g/L</td>
</tr>
</tbody>
</table>

If value is outside given range, please see 'Status (ST=)' drop down field.

If value is < 50 mg/dL, select from the 'Status (ST=)' drop down field.

If value is > 7500 pg/mL, select from the 'Status (ST=)' drop down field.

ST= Unknown
○ Not done
Platelets

Hemoglobin A1C

Estimated Average Glucose (eAG):

INR

Plasma-free hemoglobin

Positive antiheparin/platelet antibody (HIT)

If Yes, are they on direct thrombin inhibitors

If Yes, Enter Drugs:

Was a TEG done?

ThrombElastoGraph Hemostasis System (TEG) profile, MA k

mmol/L

ST= ○ Unknown
○ Not done

x10^9/uL

x10^9/L

ST= ○ Unknown
○ Not done

% mmol/mol

Estimated Average Glucose (eAG):

mg/dL mmol/L

ST= ○ Unknown
○ Not Done

international units

ST= ○ Unknown
○ Not done

mg/dL g/L

ST= ○ less than 30mg
○ Unknown
○ Not Done

○ Yes
○ No
○ Unknown

○ Yes
○ No
○ Unknown

☐ Plavix
☐ Heparin
☐ Coumadin
☐ Direct thrombin inhibitors (ex: arg, lip, val…)
☐ Aspirin
☐ Dipyridamole

○ Yes
○ No
○ Unknown

max amplitude in kaolin

ST= ○ Unknown
○ Not Done
<table>
<thead>
<tr>
<th>Test</th>
<th>ST</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThrombElastoGraph Hemostasis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System (TEG) profile, R_k</td>
<td>ST: Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST: Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td>CRP or hs-CRP</td>
<td>ST: Unknown</td>
<td>Not done</td>
</tr>
<tr>
<td>C Reactive Protein</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lupus Anticoagulant</td>
<td>Positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Negative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Uric acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ST: &lt;1 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not done</td>
<td></td>
</tr>
</tbody>
</table>