

**Implant Discharge**

|   |            |     |
|---|------------|-----|
| Implant discharge date:*                                      | mm/dd/yyyy | ST= |
| Patient discharged to:*                                       |            |     |
| Acute care (ICU / CCU) duration of post-implant stay*         | days       | ST= |
| Intermediate/step-down care - duration of post-implant stay:* | days       | ST= |
| Date of approximate discontinuation of inotropes:*            |            |     |
| Intervention since implant:*                                  |            |     |
| Type of surgical procedure:*                                  |            |     |
| Type of non-surgical procedure:*                              |            |     |
| Other cardiac surgical procedure:*                            |            |     |
| Other procedure:*   |            |     |
| Enter type of procedure:*                                     |            |     |
| Enter procedure:*   |            |     |

**General Hemodynamics**

|                                    |               |     |
|------------------------------------|---------------|-----|
| Heart rate:*                       | beats per min | ST= |
| Systolic BP:*                      | mm Hg         | ST= |
| Diastolic BP:*                     | mm Hg         | ST= |
| Volume Status (peripheral edema):* |               |     |
| Ascites:*                          | YES NO UNK    |     |
| ECG rhythm (cardiac rhythm):*      |               |     |
| Specify:*                          |               |     |
| Height:*                           | in cm         | ST= |
| Weight:*                           | lbs kg        | ST= |

**Medications**

|                                 |  |
|---------------------------------|--|
| Currently on Inotrope therapy?* | YES NO UNK   |
| List drug:*                     | Dopamine<br>Dobutamine<br>Milrinone<br>Isoproterenol<br>Epinephrine<br>Norepinephrine<br>Levosimendan<br>Unknown |
| Nesitiride:*                    | YES NO UNK   |
| Angiotensin receptor blocker    | YES NO UNK   |

|                             |                |    |     |  |
|-----------------------------|----------------|----|-----|--|
| drug:*                      |                |    |     |  |
| Amiodarone:*                | YES            | NO | UNK |  |
| ACE inhibitors:*            | YES            | NO | UNK |  |
| Beta-blockers:*             | YES            | NO | UNK |  |
| Aldosterone antagonist:*    | YES            | NO | UNK |  |
| Loop Diuretics:*            | YES            | NO | UNK |  |
| Warfarin (coumadin):*       | YES            | NO | UNK |  |
| Anteplatelet therapy drug:* | YES            | NO | UNK |  |
| Select drug(s)*             | Aspirin        |    |     |  |
|                             | Dexpran        |    |     |  |
|                             | Dipyridamole   |    |     |  |
|                             | Clopidogrel    |    |     |  |
|                             | Ticlopidine    |    |     |  |
|                             | Unknown        |    |     |  |
|                             | Other, specify |    |     |  |
|                             | Specify:*      |    |     |  |
| Nitric oxide:*              | YES            | NO | UNK |  |

**Laboratory**

|  |       |        |     |
|--|-------|--------|-----|
| Sodium:*   |       | mmol/L | ST= |
| Potassium:*  |       | mEq/L  | ST= |
| Blood urea nitrogen:*  |       | mg/dL  | ST= |
| Creatinine:*   |       | mg/dL  | ST= |
| SGPT/ALT:*   |       | u/L    | ST= |
| SGOT/AST:*   |       | u/L    | ST= |
| LDH:*  | ST=   |        |     |
|  | U/L   |        |     |
| Total bilirubin:*  |       | mg/dL  | ST= |
| Bilirubin direct:*   | ST=   |        |     |
|  | mg/dL |        |     |
| Bilirubin indirect:*   | ST=   |        |     |
|  | mg/dL |        |     |
| Albumin:*  |       | g/dL   | ST= |
| Pre-albumin:*  |       | mg/dL  | ST= |
| Cholesterol:*  |       | mg/dL  | ST= |
| <i>If value is outside given range please see 'status' drop down field</i> |       |        |     |
| Brain natriuretic peptide BNP:*  |       | pg/ml  | ST= |
| <i>If value is outside given range please see 'status' drop down field</i> |       |        |     |
| NT pro brain natriuretic peptide Pro-BNP:*                                 |       | pg/ml  | ST= |
| White blood cell count:*   |       | K/uL   | ST= |
| Reticulocyte count:*   |       | %      | ST= |

|  |   |                            |     |
|--|---|----------------------------|-----|
| Hemoglobin:*                                   |   | mg/dL                      | ST= |
| Platelet:*                                     |   | K/uL                       | ST= |
| INR:*  |   | international units        | ST= |
| Plasma-free hemoglobin:*                       |   | mg/dL                      | ST= |
| Positive antiheparin/platelet antibody (HIT):* | YES NO UNK  |                            |     |
| Is Patient on Direct Thrombin Inhibitors?*     | YES NO UNK  |                            |     |
| Enter drugs:<br>(check all that apply)*        | Aspirin<br>Dipyridamole<br>Plavix<br>Heparin<br>Coumadin<br>Direct thrombin inhibitors (ex: arg, lip, val...) |                            |     |
| TEG profile, MA k:*                            |   | max amplitude in kaolin    | ST= |
| TEG profile, R k:*                             |   | reaction time in kaolin    | ST= |
| TEG profile, R h:*                             |   | reaction time w/heparinase | ST= |
| CRP (C Reactive Protein):*                     |   | mg/L                       | ST= |
| Protein C:*                                    |   | %                          | ST= |
| Protein S:*                                    |   | %                          | ST= |
| Anti-phospholipid (IgG):*                      |   | gplu/ml                    | ST= |

#### Device Parameters

LVAD device type:\*

RVAD device type:\*

#### LVAD Device Parameters (pulsatile)

LVAD flow: \* L/min ST =

LVAD - pump drive pressure (pneumatic devices only):\* mmHg ST =

LVAD - Select Control Mode:\*

LVAD - Fixed - enter rate:\* ST =

#### LVAD Device Parameters (rotary)

LVAD flow: \* L/min ST =

LVAD pump speed: \* rpm ST =

LVAD power (watts):\* watts ST =

LVAD current (amps):\* amps ST =

#### RVAD Device Parameters (pulsatile)

RVAD flow: \* L/min ST =

RVAD - pump drive pressure (pneumatic devices only):\* mmHg ST =

RVAD - Select Control Mode:\*

RVAD - Fixed - enter rate:\*

ST =

**RVAD Device Parameters (rotary)**

RVAD flow:\*

L/min

ST =

RVAD pump speed:\*

rpm

ST =

RVAD power (watts):\*

watts

ST =

RVAD current (amps):\*

amps

ST =

**Adverse Event Reminders****Appendix A: Adverse Event Definitions****Cardiac Arrhythmia**

Did a documented arrhythmia result in clinical compromise since last INTERMACS report/last followup?\*

YES NO UNK

Event Date:\*

mm/dd/yyyy

ST=

Type of cardiac arrhythmia:\*

**Pericardial Fluid Collection**

Did a pericardial effusion that required drainage occur since last INTERMACS report/last followup?:\*

YES NO UNK

Event date.:\*

mm/dd/yyyy

ST=

Signs of tamponade:\*

YES NO UNK

Method of drainage:\*

Surgical Intervention Cath Unknown

**Hemolysis**

Did clinical signs associated with hemolysis (plasma-free hemoglobin PFHgb &gt; 40 mg/dl) occur after the first 72 hours post-implant and since last INTERMACS report/last followup?:\*

YES NO UNK

Plasma-free hemoglobin measurement:\*

mg/dL

ST=

Hematocrit measurement:\*

%

ST=

Patient has Hyperbilirubinemia (Total Bilirubin &gt; 2 mg/dl):\*

YES NO UNK

Cause of Hemolysis:\*

Other, specify:\*

**Hepatic Dysfunction**

Did Clinical evidence of liver dysfunction since last INTERMACS report/last followup occur

YES NO UNK

beyond 14 days post implant?:\*

Total bilirubin measurement: \* mg/dL ST=

SGOT/AST measurement: \* u/L ST=

SGPT/ALT measurement: \* u/L ST=

### Hypertension

Did onset bp  $\geq$  140mm Hg systolic or 90mm Hg diastolic (Pediatric patient: > 95th percentile, see definition) occur since last INTERMACS report/last followup?:\*

YES NO UNK

Systolic bp: \* mm Hg ST=

Diastolic bp: \* mm Hg ST=

### Myocardial Infarction

Did a myocardial infarction occur since last INTERMACS report/last followup/admission?:\*

YES NO UNK

Date of event: \* mm/dd/yyyy ST=

### Psychiatric Episode

Did a disturbance in thinking, emotion or behavior that required intervention occur in patient since last INTERMACS report/last followup?:\*

YES NO UNK

### Renal Dysfunction

Did renal dysfunction (by definition) occur since last INTERMACS report/last followup?:\*

YES NO UNK

Event date.: \* mm/dd/yyyy ST=

Dialysis duration: \* weeks ST=

Peak creatinine measurement: \* mg/dL ST=

### Respiratory Failure

Did an impairment of respiratory function requiring intubation or mechanical ventilation occur since last INTERMACS report/last followup?:\*

YES NO UNK

Date of event: \* mm/dd/yyyy ST=

Intubation duration: \* days ST=

Was a tracheotomy performed?:\* YES NO UNK

**Right Heart Failure**

Did symptoms or signs of right heart failure occur requiring RVAD implantation or inotropic therapy at least 14 days post implant and since last update?:\*

YES NO UNK

Event date.:\* mm/dd/yyyy ST=

Check all signs/symptoms that apply:\*

CVP > 18 mmHg  
 CI < 2.0 L/min/M2  
 Ascites  
 Peripheral Edema

**Arterial Non-CNS Thromboembolism**

Did an acute perfusion deficit in any non-cerebrovascular organ system occur since last INTERMACS report/last followup?\*

YES NO UNK

Date.:\* mm/dd/yyyy ST=

Location:\*

Other acute perfusion deficit:\*

Confirmation source:\*

Anticoagulant therapy at time of event - check all that apply - :\*

Warfarin  
 Heparin  
 Lovenox  
 Aspirin  
 Dipyridamole  
 Clopidogrel (plavix)  
 Argatroban  
 Bilvalirudin  
 Fondaparinux  
 Hirudin  
 Lepirudin  
 Ximelagatran  
 None  
 Other

Specify:\*

**Venous Thromboembolism Event**

Evidence of Venous Thromboembolic event since last INTERMACS report/last followup - check all that apply - :\*

Deep Vein thrombosis  
 Pulmonary Embolis  
 Other, specify  
 Unknown  
 None

Specify event:\*

Enter deep vein thrombosis date:.\* mm/dd/yyyy ST=

Enter pulmonary embolis date:.\* mm/dd/yyyy ST=

Enter other date:.\* mm/dd/yyyy ST=

Anticoagulant therapy at time Warfarin

of event - check all that apply  
- :\*

Heparin  
Lovenox  
Aspirin  
Dipyridamole  
Clopidogrel (plavix)  
Argatroban  
Bilvalirudin  
Fondaparinux  
Hirudin  
Lepirudin  
Ximelagatran  
None  
Other

Specify:\*

### Wound Dehiscence

Did a disruption of the apposed  
surfaces of surgical incision  
require surgical repair since last  
INTERMACS report/last followup?\*

YES NO UNK

Date: \* mm/dd/yyyy ST=

### Other

Did an Other Major Serious  
Adverse Event occur since last  
INTERMACS report/last followup?  
:\*

YES NO UNK

Other Major Serious Adverse  
Event since last INTERMACS  
report/last followup: