3 Month Follow-Up (Fields are for 3 month and 6 month follow-ups).

Was patient seen in the hospital or clinic at follow-up time period (+/- 1 month at 3 month followup)?:*   YES   NO   UNK

Reason patient not seen:*

    Date of last visit:*   mm/dd/yyyy   ST=

    Other:*

Follow-up date:*   mm/dd/yyyy

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=

Echo Hemodynamics

Were Echo Hemodynamics performed at follow-up interval?*   YES   NO   UNK

    LVSF:*   units   ST=

    Mitral regurgitation:*

    Tricuspid regurgitation:*

    Aortic regurgitation:*

    LVEF:*

    LVEDD:*   cm   ST=

    RVEF:*

Swan Hemodynamics

Is swan in place at follow-up interval?*   YES   NO   UNK

    Shunt Ratio (QpQs):*   beats per min   ST=

    Pulmonary artery systolic pressure:*   mm Hg   ST=

    Pulmonary artery diastolic pressure*   mm Hg   ST=

    RA Pressure:*   mm Hg   ST=

Pulmonary artery wedge pressure:*	mm Hg	ST=
Cardiac output:*	liters min	ST=

Medications

Currently on Inotrope therapy?*	YES NO UNK

List drug:*

Dopamine
Dobutamine
Milrinone
Isoproterenol
Epinephrine
Norepinephrine
Levosimendan
Unknown

Nesitiride:*	YES NO UNK
Angiotensin receptor blocker drug:*	YES NO UNK
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=

If value is outside given range please see 'status' drop down field

Brain natriuretic peptide BNP:*	pg/ml		ST=

If value is outside given range please see 'status' drop down field

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:
       (check all that apply)*

Aspirin

Dipyridamole

Plavix

Heparin

Coumadin

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 =

Exercise Function

6 minute walk:*	feet	ST=
VO2 Max:*	mL/min	ST=
R Value at peak:*	%	ST=

Medical Condition

NYHA class:*

Ross Classification of Congestive Heart Failure (patient < 6 yrs of age):*

Ross class II:*	Mild tachypnea with feeds in infant
	Mild diaphoresis with feeds in infant
	Dyspnea on exercise in older children
	Unknown
Ross class III:*	Marked tachypnea with exertion or with feeding
	Marked diaphoresis with exertion or with feeding
	Unknown
Ross class IV:*	Tachypnea
	Retractions
	Grunting

Diaphoresis

Unknown

Has patient been rehospitalized since implant hospitalization?*   YES   NO   UNK

Patient Status

Current device strategy:*

    Other, specify:*

    Check all that apply:*

Advanced age

Fixed pulmonary hypertension

Patient refuses transplant

Contraindication to immunotherapy

Frailty

Malnutrition/cachexia

Large BMI

Musculoskeletal limitations

History of solid organ cancer

History of lymphoma,leukemia

Major stroke

Renal dysfunction

Pulmonary disease

Severe diabetes

Peripheral vascular disease

Other comorbidity

Risk of recurrent infection

Pulmonary hypertension

Recent pulmonary embolus

Allosensitization

Heparin-induced thrombocytopenia

Current infection

Limited cognition/understanding

Limited social support

Illicit drug use

Alcohol abuse

Still smoking

Severe depression

Other major psychiatric diagnosis

Repeated non-compliance

Multiple sternotomies

Mediastinal radiation

Thoracic aortic disease

Other, specify

None

    Other, specify:*

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

Cardiac Arrhythmia

Did a documented arrhythmia result in clinical compromise   YES   NO   UNK

since followup/admission?*

    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 > 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 > 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 beyond 14 days post implant?:*   YES   NO   UNK

    Total bilirubin measurement:*   mg/dL ST=

    SGOT/AST measurement:*   u/L   ST=

    SGPT/ALT measurement:*   u/L   ST=

Hypertension

Did onset bp >= 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?:*   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 trachoetomy 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 of event - check all that apply - :*

Warfarin
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: