Intermacs

Prelmplant

emographics		
Height	in	
Enter the height of the patient at the time of implantation in		
inches or centimeters.	cm	
	ST= Unknown Not Done	
Weight	lbs	
Enter the weight of the patient at the time of implantation in the appropriate space, in pounds or kilograms.		
the appropriate space, in pounds of knograms.	kg	
	ST= O Unknown O Not Done	
Blood Type	© 0	
	○ A	
	○ B	
	○ AB ○ Unknown	
edical Support Status Current Device Strategy at time of implant	Bridge to RecoveryRescue Therapy	
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3 months, 6 months, and every 6 months thereafter.		ly to be eligible lerate likelihood of becoming eligible kely to become eligible
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3	 Rescue Therapy Bridge to Transplant (patient current Possible Bridge to Transplant - Likel Possible Bridge to Transplant - Mod Possible Bridge to Transplant - Unlikel Destination Therapy (patient definite 	ly to be eligible lerate likelihood of becoming eligible kely to become eligible
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3 months, 6 months, and every 6 months thereafter.	Rescue Therapy Bridge to Transplant (patient current Possible Bridge to Transplant - Likel Possible Bridge to Transplant - Mod Possible Bridge to Transplant - Unlik Destination Therapy (patient definite Other, specify	ly to be eligible lerate likelihood of becoming eligible kely to become eligible
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3 months, 6 months, and every 6 months thereafter. List Date for Transplant	Rescue Therapy Bridge to Transplant (patient current Possible Bridge to Transplant - Likel Possible Bridge to Transplant - Mod Possible Bridge to Transplant - Unlik Destination Therapy (patient definite Other, specify ST= Unknown Yes No	ly to be eligible lerate likelihood of becoming eligible kely to become eligible
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3 months, 6 months, and every 6 months thereafter. List Date for Transplant Current ICD device in place? Time since first cardiac diagnosis The length of time that the patient had any known cardiac	Rescue Therapy Bridge to Transplant (patient current Possible Bridge to Transplant - Likel Possible Bridge to Transplant - Mod Possible Bridge to Transplant - Unlik Destination Therapy (patient definite Other, specify ST= Unknown Yes No Unknown	ly to be eligible lerate likelihood of becoming eligible kely to become eligible
Current Device Strategy at time of implant This should be determined in conjunction with the heart failure cardiologist and surgeon at the time of the implant. This determination will be re-visited and recorded at 3 months, 6 months, and every 6 months thereafter. List Date for Transplant Current ICD device in place?	Rescue Therapy Bridge to Transplant (patient current Possible Bridge to Transplant - Likel Possible Bridge to Transplant - Mod Possible Bridge to Transplant - Unlik Destination Therapy (patient definite Other, specify ST= Unknown Yes No Unknown	ly to be eligible lerate likelihood of becoming eligible kely to become eligible

	0 4 or more		
	○ Unknown		
Cardiac diagnosis / Primary	○ Cancer		
Select primary reason for cardiac dysfunction	Congenital Heart Disease: Biventricular: CAVC/VSD/ASD		
	Congenital Heart Disease: Biventricular: Congenitally Corrected		
	Transposition (I-TGA) (CC-TGA) Congenital Heart Disease: Biventricular: Ebstein's Anomaly		
	Congenital Heart Disease: Biventricular: Lostell's Artomary Congenital Heart Disease: Biventricular: Kawasaki Disease		
	Congenital Heart Disease: Biventricular: Kawasaki Disease Congenital Heart Disease: Biventricular: Left Heart Valve/Structural		
	Hypoplasia		
	Congenital Heart Disease: Biventricular: TOF/TOF Variant		
	Ocongenital Heart Disease: Biventricular: Transposition of the Great		
	Arteries (d-TGA)		
	Congenital Heart Disease: Biventricular: Truncus Arteriosus		
	 Congenital Heart Disease: Single Ventricle: Heterotaxy / Complex CAVC 		
	Ocongenital Heart Disease: Single Ventricle: Hypoplastic Left Heart		
	Ocongenital Heart Disease: Single Ventricle: Other		
	Ocongenital Heart Disease: Single Ventricle: Pulmonary Artesia with IVS		
	O Congenital Heart Disease: Single Ventricle: Pulmonary Artesia with IVS		
	(RVDC)		
	Congenital Heart Disease: Single Ventricle: Unspecified		
	O Coronary Artery Disease		
	Dilated Myopathy: Adriamycin		
	Dilated Myopathy: Alcoholic		
	O Dilated Myopathy: Familial		
	Dilated Myopathy: Idiopathic		
	Dilated Myopathy: Ischemic		
	Dilated Myopathy: Myocarditis		
	Dilated Myopathy: Other, Specify		
	Dilated Myopathy: Post Partum		
	Dilated Myopathy: Viral		
	Hypertrophic Cardiomyopathy Participation Myopathy Amylaidesia		
	Restrictive Myopathy: Amyloidosis		
	Restrictive Myopathy: Endocardial Fibrosis		
	Restrictive Myopathy: Idiopathic		
	Restrictive Myopathy: Other, specify		
	Restrictive Myopathy: Sarciodosis		
	Restrictive Myopathy: Sec to Radiation/Chemotherapy		
	O Valvular Heart Disease		
	○ Unknown		
	○ None		
Dilated Myopathy: Other, Specify:			
Restrictive Myopathy: Other, Specify:			
Congenital Heart Disease: Single			
Ventricle: Other, Specify:			
Cardiac diagnosis / Secondary	Cancer		
Secondary reasons for cardiac dysfunction.	☐ Congenital Heart Disease: Biventricular: CAVC/VSD/ASD		
Check all that apply.	Congenital Heart Disease: Biventricular: Congenitally Corrected		
	Transposition (I-TGA) (CC-TGA)		
	Congenital Heart Disease: Biventricular: Ebstein's Anomaly		
	Congenital Heart Disease: Biventricular: Kawasaki Disease		

	RVAD TAH Previous heart transplant Previous ECMO Other, specify (INCLUDE ONLY OPERATIONS ACTUALLY PERFORMED ON HEART OR GREAT VESSELS)
Congenital cardiac surgery Check all that apply	Congenitally Corrected Transposition Repair (double switch) Congenitally Corrected Transposition Repair (classic) PA Banding TOF/DORV/RVOTO Repair Ebstein's Anomaly Repair VSD Repair Norwood Stage I Glenn, Bi-directional Glenn, Classical Fontan Procedure d- Transposition of the Great Vessels Repair – arterial switch operation d- Transposition of the Great Vessels Repair – atrial switch (Senning/Mustard) Truncus Arteriosus Repair Complete AV Septal Defect Repair AP Shunt ASD Repair Damus Kaye Stansel (DKS) Other, specify
Admitting Diagnosis or Planned Implant	 Heart failure Cardiac surgery Non-cardiac medical problem VAD Placement TAH Placement Other cardiology Acute MI Non-cardiac surgery Unknown
Did this patient test positive for COVID- 19 prior to admission?	○ 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 Immunoglobulin Anti-viral therapy None Other, Specify
Anti-viral therapy, specify:	
Did this patient test positive for COVID-	○ Yes
19 during this pre-implant admission?	○ 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 Immunoglobulin Anti-viral therapy None Other, Specify
Anti-viral therapy, specify:	
Clinical Events and Interventions this hospitalization (Pre-implant) Pertaining to this implant hospitalization select all events and interventions that occurred more than 48 hours before the implant.	Cardiac arrest Dialysis Intubation Major MI Cardiac surgery, other Positive blood cultures
Note: Please choose all clinical events and interventions up to 48 hours in this section. If you enter an event/intervention in this section do not duplicate it in the events/interventions within 48 hours question below.	Other surgical procedures Major Infections Unknown None

	IABP Ultrafiltration Ventilator Feeding tube ECMO CABG Aortic Valve replacement / repair Mitral valve replacement / repair Congenital cardiac surgery LVAD RVAD TAH Aneursyomectomy (DOR)
Select Type of infection:	BacterialFungalViralProtozoanUnknown
Select Location of infection:	 Blood Endocarditis, native Line Sepsis Mediastinum Pneumonia Urine Unknown Other
Congenital cardiac surgery Check all that apply	Congenitally Corrected Transposition Repair (double switch) Congenitally Corrected Transposition Repair (classic) PA Banding TOF/DORV/RVOTO Repair Ebstein's Anomaly Repair VSD Repair Norwood Stage I Glenn, Bi-directional Glenn, Classical Fontan Procedure d- Transposition of the Great Vessels Repair – arterial switch operation d- Transposition of the Great Vessels Repair – atrial switch (Senning/Mustard) Truncus Arteriosus Repair Complete AV Septal Defect Repair AP Shunt ASD Repair Damus Kaye Stansel (DKS) Other, specify
IV inotrope therapy within 48 hours of implant If the patient has gone to the operating room for the purpose of the implant and is on intravenous inotropes of any sort, the answer should be Yes. If an agent is known to have been used but discontinued within 48 hours prior to arriving in the operating room, Yes should also be checked.	YesNoUnknown

If Yes, IV inotrope therapy agents:	Dobutamine Dopamine Milrinone Levosimendan Epinephrine Norepinephrine Isoproterenol Other, Specify Unknown
Interventions within 48 hours of	□IABP
implant	☐ Dialysis
Select all interventions that occurred within the 48 hour time	Ultrafiltration
period prior to the implant.	□ Ventilator
	☐ Feeding tube
	□ ECMO
	None
	□ CABG
	Aortic Valve replacement / repair
	☐ Mitral valve replacement / repair
	☐ Congenital card surg
	LVAD
	RVAD
	□ TAH
	Aneursyomectomy (DOR)
Congenital Cardiac Surgery	Congenitally Corrected Transposition Repair (double switch)
Select all that Apply:	Congenitally Corrected Transposition Repair (classic)
	PA Banding
	☐ TOF/DORV/RVOTO Repair
	Ebstein's Anomaly Repair
	□ VSD Repair
	□ Norwood Stage I
	Glenn, Bi-directional
	Glenn, Classical
	Fontan Procedure
	d- Transposition of the Great Vessels Repair – arterial switch
	operation
	 d- Transposition of the Great Vessels Repair – atrial switch (Senning/Mustard)
	☐ Truncus Arteriosus Repair
	Complete AV Septal Defect Repair
	AP Shunt
	ASD Repair
	☐ Damus Kaye Stansel (DKS)
	Other, specify
le this implest the primary MCCD // VAD	○ Yes
Is this implant the primary MCSD (LVAD or TAH) for this patient?	O No
or IAH) for this patient?	
The INTERMACS® Patient Profiles are required at preprimary LVAD or TAH implant.	e-implant and at all times when an implant occurs even if this is NOT the
INTERMACS® Patient Profile at time of	1 "Critical cardiogenic shock" describes a patient who is "crashing and
implant	burning", in which a patient has life-threatening hypotension and rapdily
Select one. These profiles will provide a general clinical	escalating inotropic pressor support (see the Site Users Guide, Section II.
description of the patients receiving primary LVAD or TAH	2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)

implants. If there is significant clinical change between the

2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)

initial decision to implant and the actual implant procedure, then the profile closest to the time of implant should be recorded. Patients admitted electively for implant should be described by the profile just prior to admission.

- 2 "Progressive decline" describes a patient who has been demonstrated "dependent" on inotropic support but nonetheless shows signs of continuing deterioration (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)
- 3 "Stable but inotrope dependent" describes a patient who is clinically stable on mild-moderate doses of intravenous inotropes (or has a temporary circulatory support device) after repeated documentation of failure to wean without symptoms (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)
- 4 "Resting symptoms" describes a patient who is at home on oral therapy but frequently has symptoms of congestion at rest or with ADL. (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)
- 5 "Exertion Intolerant" describes a patient who is comfortable at rest but unable to engage in any activity, living predominantly within the house or household (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)
- 6 "Exertion Limited" also describes a patient who is comfortable at rest
 without evidence of fluid overload, but who is able to do some mild activity
 (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS
 Patient Profiles for more details)
- 7 "Advanced NYHA Class 3" describes a patient who is clinically stable with a reasonable level of comfortable activity, despite history of previous decompensation that is not recent (see the Site Users Guide, Section II. 2.4 Pre-Implant Form, INTERMACS Patient Profiles for more details)

MODIFIERS of the INTERMACS® Patient Profiles

A - Arrhythmia	YesNoUnknown
TCS –Temporary Circulatory Support	YesNoUnknown
FF – Frequent Flyer Home.	YesNoUnknown
FF – Frequent Flyer.	YesNoUnknown

Preimplant Hemodynamics 4/22/2020

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Prelmplant

Hemodynamics

emodynamics			
eneral Hemodynamics			
Heart rate		haata nar min	
		beats per min	
	ST= O Unknown		
	Not done		
Systolic blood pressure		mmHg	
(millimeters of mercury) should be determined from	ST= O Unknown	· ·	
auscultation or arterial line if necessary.	Not done		
	Not dolle		
Diastolic blood pressure		mmHg	
(millimeters of mercury) should be determined from auscultation or arterial line if necessary	ST= O Unknown		
ausouliation of afterial line if necessary	Not done		
	- Not dono		
Doppler Opening Pressure			
Record the pressure on the BP cuff at the time of sound on	ST= O Unknown		
the Doppler as the cuff is released and this is the Doppler opening pressure which may correspond to the MAP.	Not done		
	Not applicable		
	- Not applicable		
Peripheral edema	O Yes		
	O No		
	Unknown		
Ascites	O Yes		
	O No		
	Unknown		
ECG rhythm	Sinus		
Cardiac rhythm	 Atrial fibrillation 		
	Atrial Flutter		
	 Paced: Atrial pacing 		
	 Paced: Ventricular pacing 		
	 Paced: Atrial and ventricula 	r pacing	
	O Not done		
	Ounknown		
	Other, specify		
cho Findings			
BB14	0 (0 - 11 - 1)		
Mitral regurgitation Mitral regurgitation should be recorded on a qualitative scale	0 (none)		
(if 'trivial' then assign as mild). Moderate-severe would be	1 (mild)		
recorded as "severe".	2 (moderate)		
recorded as severe.	3 (severe)		

Preimplant Hemodynamics 4/22/2020

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 Doc	cumented
Aortic regurgitation	0 (none)	
Aortic regurgitation should be recorded on a qualitative scale (if 'trivial' then assign as mild). Moderate-severe would be	- (ma)	
recorded as "severe".	2 (moderate)	
	○ 3 (severe)	
	 Not Recorded or Not Doo 	cumented
LVEF	○ > 50 (normal)	
Left ventricular ejection fraction	○ 40-49 (mild)	
	○ 30-39 (moderate)	
	20-29 (moderate/severe)	
	< 20 (severe)	
	Not Recorded or Not Doc	cumented
	Unknown	
If a number or range is available, check the number range that bee Occasionally the LVEF may be described only as "left ventricular f would all be characterized as "mild".		
LVEDD		cm
	ST= Not Recorded or No	t Documented
RVEF	Normal	
	○ Mild	
	○ Moderate	
	○ Severe	
	O Not Done	
	Not Applicable	
	Unknown	
RV Function is generally NOT measured in numbers, as it is diffict contractility". "Mild impairment, mildly reduced, or mild decrease" vand moderate-severe would be recorded as "severe".		
Swan Hemodynamics		
Pulmonary artery systolic pressure		mmHg
	ST= O Unknown	
	Not done	
	Not dolle	
Pulmonary artery diastolic pressure		mmHg
	ST= Unknown	
	Not done	
Maga Bulmanary artery wedge		
Mean Pulmonary artery wedge		mmHg
pressure	ST= O Unknown	
	O Not done	
Mean RA Pressure		mmHg

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	ST= O Unknown	
	O Not done	
Central venous pressure (CVP)		
(mmHg
	ST= O Unknown	
	Not done	
Cardiac Index		L/min/M2 (by Swan)
	ST= O Unknown	
	O Not done	
Was Cardiac Index Measured by Fick or	O Yes	
Thermodilution?	O No	
	Unknown	
Choose Method	Fick	
Onoose method	☐ Thermodilution	
Cardiac output		L/min
Cardiac output	ST- @ Haknowa	L/min
Cardiac output	ST= Unknown	L/min
Cardiac output	ST= Unknown Not done	L/min
		L/min
Cardiac output Was Cardiac Output Measured by Fick or Thermodilution?	○Not done	L/min
Was Cardiac Output Measured by Fick	O Not done O Yes	L/min
Was Cardiac Output Measured by Fick	O Not done O Yes O No	L/min

Preimplant Laboratory 4/22/2020

Intermacs

PreImplant

Sodium		mEq/L
		mmol/L
	ST= O Unknown	IIIIIoii E
	O Not done	
Potassium		mEq/L
		mmol/L
	ST= O Unknown	
	Not done	
Blood urea nitrogen		mg/dL
		mmol/L
	ST= O Unknown	TITION L
	Not done	
Creatinine		mg/dL
		umol/L
	ST= O Unknown	diffore
	Not done	
SGPT/ALT		u/L
(alanine aminotransferase/ALT)	ST= O Unknown	
	O Not done	
SGOT/AST (aspartate aminotransferase/AST)		u/L
(aspartate animotransicrase/AoT)	ST= O Unknown	
	Not done	
LDH		
	07. 011.1	units/L, U/L, ukat/L
	ST= ○ Unknown ○ Not done	
	- Hot dollo	
Total bilirubin		mg/dL
	OT OHL	umol/L
	ST= ○ Unknown ○ Not done	
	J NOT GOLIE	
Albumin		g/dL
		g/uL

Preimplant Laboratory 4/22/2020

	ST= O Unknown O Not done	
Pre-albumin		mg/dL
	OT O Harles are	mg/L
	ST= Unknown Not done	
	- Not dolle	
Total Cholesterol		mg/dL
If value is outside given range, please see 'Status (ST=)' drop down field.		mmol/L
If < 50 mg/dl, select from the 'Status (ST=)' drop down field.	CT- 0 < 50 mm m/dl	mmor/L
	ST= ○ < 50 mg/dL ○ Unknown	
	Not done	
Brain natriuretic peptide BNP		pg/mL
If value is outside given range, please see 'status (ST=)' drop down field.		ng/L
If > 7500 pg/mL, select from the 'Status (ST=)' drop down	CT- 0 > 7500 ng/ml	ng/L
field.	ST= O > 7500 pg/mL O Unknown	
	Not done	
NT pro brain natriuretic peptide Pro-		pg/mL
BNP		ng/L
	ST= O Unknown	ng/L
	Not done	
White blood cell count		x10 ³ /uL
		x10 ⁹ /L
	ST= O Unknown	
	O Not done	
Hemoglobin		g/dL
		g/L
		mmol/L
	ST= O Unknown	
	O Not done	
Hemoglobin A1C		%
		mmol/mol
	Estimated Average Gluc	ose (eAG):
		mg/dL
		mmol/L
	ST= O Unknown	
	O Not Done	
Platelets		x10 ³ /uL

Preimplant Laboratory 4/22/2020

		x10 ⁹ /L
	ST= O Unknown	
	O Not done	
INR		
		international units
	ST= O Unknown	
	Not done	
Sensitivity CRP		mg/L
(C Reactive Protein)	CT- O Halmania	mg/L
	ST= Unknown Not done	
	O Not done	
Lupus Anticoagulant	Positive	
	Negative	
	Unknown	
Uric acid		4.0
0110 4014		mg/dL
		umol/L
	ST= 0 <1 mg/dL	
	OUnknown	
	O Not done	
Lymphocyte Count		
Lymphocyte count		%
		x10 ³ cells/μL
		x10 ⁹ cells/liter
	ST= O Unknown	
	O Not done	
	O<2%	

Intermacs

Prelmplant

Concerns and Contraindications

Checking any of these contraindications/co-morbidities/concerns does not necessarily mean that a condition is a contraindication or concern for the patient. No specific thresholds are provided for these concerns or contraindications. They should represent the results of formal discussion with the medical and surgical transplant team prior to the decision for device implantation. If there are no contraindications or concerns specified then select No.

Overall Status

Concerns/Contraindications	Is condition present?	Limitation for transplant listing?
Advanced age	○ Yes ○ No	○ Yes ○ No
Frailty	○ Yes ○ No	○ Yes ○ No
Patient does not want transplant	○ Yes ○ No	○ Yes ○ No
Musculoskeletal limitation to ambulation	○ Yes ○ No	○ Yes ○ No
Contraindication to immunosuppression	○ Yes ○ No	○ Yes ○ No
Allosensitization	○ Yes ○ No	○ Yes ○ No
Chronic Renal Disease	○ Yes ○ No	○ Yes ○ No

Cardiothoracic issues

Concerns/Contraindications	ls cond	lition present?	Limitat	ion for transplant listing?
Frequent ICD Shocks	O Yes	○ No	O Yes	○ No
Pulmonary Disease	O Yes	○ No	O Yes	○ No
Pulmonary Hypertension	O Yes	○ No	O Yes	○ No
Recent Pulmonary Embolus	O Yes	○ No	O Yes	○ No
History Of Atrial Arrhythmia	O Yes	○ No	O Yes	○ No
Unfavorable Mediastinal Anatomy (includes sternotomies, sternal resection, radiation, flail chest, etc)	O Yes	○ No	O Yes	O No
Thoracic Aortic Disease	O Yes	○ No	O Yes	○ No

Nutritional/GI

Concerns/Contraindications	Is condition present?	Limitation for transplant listing?
Large BMI	○ Yes ○ No	○ Yes ○ No
Severe Diabetes	○ Yes ○ No	○ Yes ○ No
Malnutrition Cachexia	○ Yes ○ No	○ Yes ○ No
History Of GI Ulcers	○ Yes ○ No	○ Yes ○ No
History Of Hepatitis	○ Yes ○ No	○ Yes ○ No
Liver Dysfunction	○ Yes ○ No	○ Yes ○ No

Vascular issues

Concerns/Contraindications	Is cond	ition present?	Limitati	on for transplant listing?
Heparin Induced Thrombocytopenia	O Yes	○ No	O Yes	○ No
Chronic Coagulopathy	O Yes	○ No	O Yes	○ No
Major Stroke	O Yes	○ No	O Yes	O No
Other Cerebrovascular Disease	O Yes	O No	O Yes	○ No
Peripheral Vascular Disease	O Yes	○ No	O Yes	O No
Oncology/infection issues				
Concerns/Contraindications	Is cond	ition present?	Limitati	on for transplant listing?
History Of Solid Organ Cancer	O Yes	○ No	O Yes	○ No
History Of Lymphoma Leukemia	O Yes	○ No	O Yes	○ No
History Of Bone Marrow Transplant BMT	O Yes	○ No	O Yes	○ No
History Of HIV	O Yes	O No O Unknown	O Yes	○ No
Chronic Infectious Concerns	O Yes	○ No	O Yes	O No
Psychosocial issues				
Concerns/Contraindications	Is cond	ition present?	Limitati	on for transplant listing?
Limited Cognition/Understanding	O Yes	O No	O Yes	○ No
Limited Social Support	O Yes	O No	O Yes	○ No
Repeated Noncompliance	O Yes	○ No	O Yes	○ No
History Of Illicit Drug Use	O Yes	○ No	O Yes	○ No
History Of Alcohol Abuse	O Yes	○ No	O Yes	○ No
Narcotic Dependence	O Yes	○ No	O Yes	○ No
History Of Smoking	O Yes	○ No	O Yes	○ No
Currently Smoking	O Yes	○ No	O Yes	○ No
Severe Depression	O Yes	O No	O Yes	○ No
Other Major Psychiatric Diagnosis	O Yes	○ No	O Yes	○ No
Other Comorbidity	O Yes	O No	O Yes	○ No
HIV History				
HIV Diagnosis Date				
MM/DD/YYYY		Unknown		
	O No	ot Done		
Plasma HIV-1 RNA (Viral load)			copies/ml	
Closest to implant	ST=	O Not Done	Cobies/IIII	
CD4 T-Cell Count			collo/mm2	
Closest to implant			cells/mm3	

	mm/hr
	ST= Not Done
C-Reactive Protein (CRP)	mg/L
	ST= Not Done
	31- With Bottle
Antiretroviral Therapy	Abacavir (ABC) / Ziagen
Check all that apply	Atripla (FTC/EDV/TDF)
	Atazanavir (ATV) / Reyataz
	Combivir (3TC/ZDV)
	Complera (FTC/RPV/TDF)
	Darunavir (DRV) / Prezista
	Delavirdine (DLV) / Rescriptor
	Didanosine (ddl) / Videx EC
	Dolutegravir / Tivicay
	☐ Efavirenz (EFV) / Sustiva
	Emtricitabine (FTC) / Emtriva
	☐ Enfuvirtide (T20) / Fuzeon
	Epzicom (3TC/ABC)
	Etravirine (ETR) / Intelence
	☐ Fosamprenavir (FPV) / Lexiva☐ Indinavir (IDV) / Crixivan
	□ Kaletra (LPV/r)
	Lamivudine (3TC) / Epivir
	Maraviroc (MVC) / Selzentry
	Nelfinavir (NFV) / Viracept
	Nevirapine (NVP) / Viramune / Viramune XR
	Raltegravir (RAL) / Isentress
	Rilpivirine (RPV) / Edurant
	Ritonavir (RTV) / Norvir
	Saquinavir (SQV) / Invirase
	Stavudine (d4T) / Zerit
	Stribild (FTC/EVG/COBI/TDF)
	Tenofovir Disoproxil Fumarate (TDF) / Viread
	Tipranivir (TPV) / Aptivus
	Trizivir (3TC/ZDV/ABC)
	Truvada (FTC/TDF)
	☐ Zidovudine (ZDV) / Retrovir☐ Unknown
	None
Infection Prophylaxis	Atovaquone
Check all that apply	☐ Azithromycin
	☐ Dapsone
	☐ Fluconazole
	Pentamidine, aerosolized
	☐ Trimethroprim-sulfamethoxazole (TMP-SMX)
	Unknown
	None
History of Opportunistic Infaction	☐ Cryptococcosis
History of Opportunistic Infection Check all that apply	Cytomegalovirus (CMV)
Oneth all triat apply	☐ Epstein Barr virus (EBV)
	☐ Esophageal candidiasis
	☐ Histoplasmosis
	□ Kaposi's sarcoma
	☐ Mycobacterium avium complex (MAC), disseminated
	Pneumocystis jiroveci (carinii) pneumonia (PCP)
	Toxoplasmosis
	☐ Tuberculosis
	None

History of Hepatitis B	O Positive
	Negative
	ST= O Unknown
	O Not Done
History of Hepatitis C	Positive
	Negative
	ST= O Unknown
	ONot Done

Preimplant Medications 4/22/2020

Intermacs

Prelmplant

Medications

Currently using - At the time of VAD placement.

Known previous use within the past year - Is intended to capture the adequacy of medical therapy prior to determining heart failure to be refractory. For instance, ACEI, beta blockers, and diuretics are considered standard necessary therapy for heart failure but may be stopped due to hypotension or renal failure during a hospitalization for severely decompensated heart failure. If patients are known to have received these agents within the past year, please check known previous use.

No (not being used) - If there is no reason to believe that they have taken those agents, and reasonable certainty that information is accurate, check No.

Unknown - If it is not known whether the patient has taken those agents within the previous year, check Unknown.

Allopurinol	O Currently using
	Known previous use (within past year)
	○ No
	○ Unknown
Angiotensin receptor blocker drug	O Currently using
	Known previous use (within past year)
	○ No
	○ Unknown
Amiodarone	Currently using
Amodalone	Known previous use (within past year)
	No
	○ Unknown
	Olikilowii
ACE inhibitors	Currently using
	Known previous use (within past year)
	○ No
	○ Unknown
Beta-blockers	O Currently using
	Known previous use (within past year)
	○ No
	○ Unknown
Aldosterone antagonist	Currently using
Aldosterone antagonist	Known previous use (within past year)
	No
	○ Unknown
	- GIRGONI
Warfarin (coumadin)	 Currently using
	Known previous use (within past year)
	○ No
	○ Unknown
Antiplatelet therapy drug	Currently using
piatoiot morapy arag	

Preimplant Medications 4/22/2020

	Known previous use (within past year)
	○ No
	○ Unknown
Nesiritide	○ Yes
	○ No
	○ Unknown
Nitric oxide	○ Yes
Document Flolan here	○ No
	Unknown
Loop diuretics	○ Yes
-	○ No
	○ Unknown
If yes, enter dosage	mg/day
Enter the total daily dose the patient received at home	ST= Unknown
before hospitalization.	31- Olikilowii
Type of Loop Diuretic:	Furosemide
31.	Torsemide
	Bumetanide
	□ Other
Outpatient (prior to admission) inotrope	O Yes
infusion:	O No
	Unknown
Cardiac Resynchronization Therapy	O Yes
(CRT)	O No
	Unknown
Is patient on Metalozone/Thiazide?	○ Yes
	O No
	Unknown
If yes, then select (check one):	○ Regular
	OIntermittent
Is patient on Phosphodiesterase	○ Yes
inhibitors?	○ No
Please enter only for the indication of Pulmonary	O Unknown
Hypertension or Right Heart Failure	

Intermacs

PreImplant

Quality Of Life

QOL surveys cannot be administered after the visit date

Did the patient complete a EuroQol	○ Yes
form?	○ No
	Unknown
How was the test administered?	 Self-administered
	 Coordinator administered
	Family member administered
Mobility:	I have no problems in walking about
	 I have some problems in walking about
	I am confined to bed
	Unknown
Self care:	I have no problems with self-care
	 I have some problems washing or dressing myself
	 I am unable to wash or dress myself
	○ Unknown
Usual Activities (e.g. work, study,	I have no problems with performing my usual activities
ework, family or leisure activities)	I have some problems with performing my usual activities
	I am unable to perform my usual activities
	Unknown
Pain/discomfort:	I have no pain or discomfort
	I have moderate pain or discomfort
	I have extreme pain or discomfort
	○ Unknown
Anxiety/depression:	I am not anxious or depressed
	I am moderately anxious or depressed
	I am extremely anxious or depressedUnknown
Patient Visual Analog Status (VAS):	(0-100) 0=Worst, 100=Best
3 ()	ST= Unknown
ich of the following best describes	Actively working
your *one* main activity?	Retired
	Keeping house
	O Student
	Seeking workToo sick to work (disabled)

	○ Unknown
	Other
Is this *one* main activity considered:	O Full time
	O Part time
	Unknown
	GIIRIOWII
How many of your close friends or	
relatives do you see in person, speak to	ST= O Unknown
on the telephone or contact via the	
internet at least once a month?	
(please count each person 1 time)	
Have you unintentionally lost more than	O Yes
10 pounds in the last year?	○ No
	Unknown
	a.v.
Do you currently smoke cigarettes?	O Yes
	O No
	O Unknown
ICV - II.	
If Yes, How many cigarettes are you	Half a pack or less per day
currently smoking, on average?	More than half to 1 pack per day
	○ 1 to 2 packs per day
	2 or more packs per day
December 11 and 12 and	O.V.
Do you currently smoke e-cigarettes?	O Yes
	○ No
	Unknown
Please enter a number from 1 to 10 fo	or the questions below:
Please enter a number from 1 to 10 fo	or the questions below:
How much stress related to your health	or the questions below:
How much stress related to your health	or the questions below: ST= Unknown
How much stress related to your health issues do you feel you've been under	
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress	
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been	
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress	ST= Unknown
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been	
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress	ST= Unknown
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the	ST= Unknown
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the past month? (1-10) 1=Coping very poorly, 10=Coping very well	ST= Unknown
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the past month? (1-10) 1=Coping very poorly, 10=Coping very well How confident are you that you can do	ST= Unknown
How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the past month? (1-10) 1=Coping very poorly, 10=Coping very well	ST= O Unknown ST= O Unknown
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How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the past month? (1-10) 1=Coping very poorly, 10=Coping very well How confident are you that you can do the tasks and activities needed to manage your heart failure so as to	ST= O Unknown ST= O Unknown
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How much stress related to your health issues do you feel you've been under during the past month? (1-10) 1=No Stress, 10=Very Much Stress How well do you feel you've been coping with or handling your stress related to your health issues during the past month? (1-10) 1=Coping very poorly, 10=Coping very well How confident are you that you can do the tasks and activities needed to manage your heart failure so as to reduce how much having heart failure affects your everyday life? (1-10) 1=Not at all confident, 10=Totally confident	ST= O Unknown ST= O Unknown

Too stressed, anxious, and/or depressed Can't concentrate No time/too busy Too much trouble/don't want to be bothered/not interested Unwilling to complete instrument, no reason given Unable to read English and/or illiterate Administrative (check specific reason below) If Administrative: Select a specific reason: Coordinator too busy or forgot to administer QOL instruments	If No, Please select a reason why the	O Too sick (ex., intubated/sedated, critically ill, on short-term VAD)		
Can't concentrate No time/too busy Too much trouble/don't want to be bothered/not interested Unwilling to complete instrument, no reason given Unable to read English and/or illierate Administrative (check specific reason below) If Administrative: Select a specific reason: Coordinator too busy or forgot to administer QOL instruments Coordinator too busy or forgot to administer QOL instruments Unable to contact pattent ((ic., not hospitalized or no clinic visit) within window for QOL instrument completion Other reason (describe) The was the test administered? Did the patient complete a KCCQ form? Yes No How was the test administered? Self-administered Coordinator administered Family member administered Family member administered Family member administered Showering/Bathing Extremely limited Oute a bit limited Not at all limited Not at all limited Unknown Walking 1 block on level ground Extremely limited Slightly limited Not at all limited Unknown Hurrying or jogging (as if to catch a bus) Unlea bit limited Unknown Hurrying or jogging (as if to catch a bus) Unlea bit limited Unlea bit limited Unknown Hurrying or jogging (as if to catch a bus) Unlea bit limited Unlea bit limited Unlea bit limited Unlea bit limited Unknown Hurrying or jogging (as if to catch a bus) Unlea bit limited	EuroQol (EQ-5D) was not completed:	Too tired		
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How was the test administered? Self-administered Coordinator administered Family member administered Family member administered Family member administered Heart Failure affects different people in different ways. Some feel shortness of breath while others feel fatigue. Please indicate how much you are limited by heart failure (shortness of breath or fatigue) in your ability to do the following activities over the past 2 weeks. Showering/Bathing Extremely limited Quite a bit limited Not at all limited Limited for other reasons or did not do the activity Unknown Walking 1 block on level ground Extremely limited Quite a bit limited Not at all limited Limited for other reasons or did not do the activity Unknown Hurrying or jogging (as if to catch a bus) Slightly limited Not at all limited Slightly limited Limited for other reasons or did not do the activity Limited for other reasons or did not do the activity Limited for other reasons or did not do the activity Limited for other reasons or did not do the activity Limited for other reasons or did not do the activity Limited for other reasons or did not do the activity	Did the patient complete a KCCQ form?	○ Yes		
Coordinator administered Family member administered Family member administered Heart Failure affects different people in different ways. Some feel shortness of breath while others feel fatigue. Please indicate how much you are limited by heart failure (shortness of breath or fatigue) in your ability to do the following activities over the past 2 weeks. Showering/Bathing Extremely limited Quite a bit limited Moderately limited Limited for other reasons or did not do the activity Unknown Walking 1 block on level ground Extremely limited Quite a bit limited Moderately limited Sighty limited Not at all limited Limited for other reasons or did not do the activity Unknown Hurrying or jogging (as if to catch a bus) Extremely limited Quite a bit limited Limited for other reasons or did not do the activity Unknown Extremely limited Sighty limited Not at all limited Moderately limited Sighty limited Not at all limited Limited for other reasons or did not do the activity Limited Not at all limited Limited for other reasons or did not do the activity		○ No		
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Not at all limitedLimited for other reasons or did not do the activity		•		
 Limited for other reasons or did not do the activity 				
·				
○ Unknown		•		
		Unknown		
Over the past 2 weeks, how many times Every morning				

did you have swelling in your feet, ankles or legs when you woke up in the morning?	 3 or more times a week, but not every day 1-2 times a week Less than once a week Never over the past 2 weeks Unknown
Over the past 2 weeks, on average, how many times has fatigue limited your ability to do what you want?	 All of the time Several times per day At least once a day 3 or more times per week but not every day 1-2 times per week Less than once a week Never over the past 2 weeks Unknown
Over the past 2 weeks, on average, how many times has shortness of breath limited your ability to do what you wanted?	 All of the time Several times per day At least once a day 3 or more times per week but not every day 1-2 times per week Less than once a week Never over the past 2 weeks Unknown
Over the past 2 weeks, on average, how many times have you been forced to sleep sitting up in a chair or with at least 3 pillows to prop you up because of shortness of breath?	 Every night 3 or more times a week, but not every day 1-2 times a week Less than once a week Never over the past 2 weeks Unknown
Over the past 2 weeks, how much has your heart failure limited your enjoyment of life?	 It has extremely limited my enjoyment of life It has limited my enjoyment of life quite a bit It has moderately limited my enjoyment of life It has slightly limited my enjoyment of life It has not limited my enjoyment of life at all Unknown
If you had to spend the rest of your life with your heart failure the way it is right now, how would you feel about this?	 Not at all satisfied Mostly dissatisfied Somewhat satisfied Mostly satisfied Completely satisfied Unknown
How much does your heart failure affect your lifest participation in the following activites over the past	yle? Please indiciate how your heart failure may have limited your t 2 weeks?
Hobbies, recreational activities	 Severely limited Limited quite a bit Moderately limited Slightly limited Did not limit at all Does not apply or did not do for other reasons Unknown

Working or doing household chores	Severely limited		
	Limited quite a bitModerately limited		
	Slightly limitedDid not limit at all		
	○ Unknown		
Visiting family or friends out of your	Severely limited		
home	Limited quite a bit		
	Moderately limited		
	Slightly limited		
	O Did not limit at all		
	Does not apply or did not do for other reasons		
	Unknown		
If No, Please select a reason why the KCCQ was not completed:	 Too sick (ex., intubated/sedated, critically ill, on short-term VAD) Too tired Too stressed, anxious, and/or depressed Can't concentrate No time / too busy Too much trouble / don't want to be bothered / not interested Unwilling to complete instrument, no reason given Unable to read English and/or illiterate 		
	Administrative (check specific reason below)		
If Administrative: Select a specific	 Urgent/emergent implant, no time to administer QOL instruments 		
reason:	Coordinator too busy or forgot to administer QOL instruments		
	 Unable to contact patient (ie., not hospitalized or no clinic visit) within the 		
	window for QOL instrument completion		
	Other reason (describe)		

Preimplant Exercise Function 4/22/2020

Intermacs

Prelmplant

Exercise Function and Trailmaking Data

		feet
	ST= O Not done: too sick	
	O Not done: other	
	Ounknown	
This requires an inside hall for which distances (in FEET) should be walk steadily to cover as much distance as possible during the 6 m member performing the test should walk behind the patient to avoit recorded here. NOTE: You may use the time from the first 15 fethe gait speed test below.)	inutes. They are advised that they idundue influence on the pace. The	may stop if necessary during the 6 minutes. The staff distance covered during the 6 minutes in feet will be
Gait Speed (1st 15 foot walk)		seconds
	ST= Not done: too sick	
	Not done: other	
	Ounknown	
clearly marked. Record the time to the first footfall at 0 feet and en use the time from the first 15 feet of the 6 minute walk for the		and the second of the second o
Peak VO2 Max		mL/kg/min
	ST= O Not done: too sick	
	Not done: other	
	Unknown	
Maximum volume of oxygen the body can consume during exercise the rong a bicycle or treadmill. The values recorded during the bic		
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the b	ycle are usually 1-2 ml/min lower that	an for the treadmill, but it is assumed that most
either on a bicycle or treadmill. The values recorded during the bic	ycle are usually 1-2 ml/min lower that	an for the treadmill, but it is assumed that most
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the b	ycle are usually 1-2 ml/min lower that	an for the treadmill, but it is assumed that most siest to standardize.
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the b	ycle are usually 1-2 ml/min lower the icycle is preferable as the mode eas	an for the treadmill, but it is assumed that most siest to standardize.
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the b	ycle are usually 1-2 ml/min lower the icycle is preferable as the mode east state of the state o	an for the treadmill, but it is assumed that most siest to standardize.
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the b R Value at peak R Value at peak is the respiratory quotient of carbon dioxide produ	ycle are usually 1-2 ml/min lower the icycle is preferable as the mode east state of the state o	an for the treadmill, but it is assumed that most siest to standardize.
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either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the bic R Value at peak R Value at peak is the respiratory quotient of carbon dioxide produ exercised. A value above 1.05 is generally considered to represen	ycle are usually 1-2 ml/min lower the icycle is preferable as the mode east ST= Unknown Not done ction divided by oxygen consumptions an adequate effort.	an for the treadmill, but it is assumed that most siest to standardize. % on, and is used as an index of how vigorously the patient
either on a bicycle or treadmill. The values recorded during the bic institutions will use only one instrument. If both are available, the bic R Value at peak R Value at peak is the respiratory quotient of carbon dioxide produ exercised. A value above 1.05 is generally considered to represen	sycle are usually 1-2 ml/min lower the icycle is preferable as the mode east of the system of the sy	an for the treadmill, but it is assumed that most siest to standardize. % on, and is used as an index of how vigorously the patient
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