#### REVIVAL Study List of Case Report Forms

RVREG-001	Documentation of Informed Consent – Patient
RVREG-002	Inclusion Criteria
RVREG-003	Exclusion Criteria
RVREG-004	Demographics
RVREG-005	NYHA Classification
RVREG-006	INTERMACS Patient Profile
RVREG-007	Physical Exam/Vitals
RVREG-008	Hematology
RVREG-009a	Chemistry Panel
RVREG-009b	Chemistry Panel
RVREG-010a	Medication Log A
RVREG-010b	Medication Log B
RVREG-011	Medical History
RVREG-012	6 Minute Walk Test and 15 Feet Gait Speed Test
RVREG-013	Handgrip Strength Test
RVREG-014	ECG
RVREG-015	Seattle Heart Failure Model Score (not in the OpenClinica database)
RVREG-016	Initial Data
RVREG-017	Quality of Life Forms Tracking - Subject
RVREG-018	EQ-5D - Subject
RVREG-019	Kansas City Cardiomyopathy Questionnaire
RVREG-020	Personal Health Questionnaire
RVREG-021	Self-Evaluation Questionnaire
RVREG-022	VAD Survey
RVREG-023	Heart Failure Survival Score
RVREG-024	Sample Collection for Serum Analysis
RVREG-025	Sample Collection for RNA Analysis
RVREG-026	Sample Collection for Genomic DNA Analysis
RVREG-027	Cardiopulmonary Exercise Test Tracking
RVREG-028	Cardiopulmonary Exercise Test
RVREG-029	Transthoracic Echocardiogram Tracking
RVREG-030	Transthoracic Echocardiogram
RVREG-031	Subject Follow-Up
RVREG-032	Documentation of Informed Consent - Caregiver
RVREG-033	Quality of Life Forms Tracking - Caregiver
RVREG-034a	Caregiver Health History
RVREG-034b	Caregiver Health History
RVREG-035	EQ-5D - Caregiver
RVREG-036	Oberst Caregiving Scale
RVREG-037	Hospitalization
RVREG-038	Adverse Event - Subject
RVREG-039	Adverse Event - Caregiver
RVREG-040	Protocol Deviation
RVREG-041	Death
RVREG-042	Final Status - Subject
RVREG-043	Final Status - Caregiver
RVREG-044	Subject Visit Termination (withdrawal)
RVREG-045	Final Status for Withdrawn Subject
RVREG-046	Listing at VAD
	-



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-001 Documentation of Informed Consent - Patient**

Baseline A

Did patient consent to genomic DNA blood collection?

**O** Yes **O** No





Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-002 Inclusion Criteria**

Baseline A

Inclusion criteria #1 through #8 and #10 and #11 need to be answered "Yes" for the subject to be eligible to continue in the Registry. To meet criterion #9, any <u>single</u> item i through x must be answered "Yes" to be eligible.

1.	Ambulatory	<b>O</b> Yes	<b>O</b> No
2.	Chronic systolic heart failure ≥ 12 months	<b>O</b> Yes	<b>O</b> No
3.	NYHA II - IV for at least 45 of the last 60 days	<b>O</b> Yes	<b>O</b> No
4.	Last documented left ventricular ejection fraction ≤ 35% by any imaging modality	O Yes	<b>O</b> No
5.	Age 18-80 years	<b>O</b> Yes	<b>O</b> No
6.	Currently under the care of a cardiologist at study site	<b>O</b> Yes	<b>O</b> No
7.	On appropriate evidenced-based heart failure medications - ACE inhibitor, ARB or sacubitril/valsartan (LCZ-696); beta blocker; aldosterone antagonist; hydralazine/long-acting nitrate (required of African-American subjects only) for $\geq$ 3 months absent contraindications or intolerances	<b>O</b> Yes	<b>O</b> No
8.	Has ICD or CRT-D. If CRT-D, present for $\geq$ 3 months	<b>O</b> Yes	<b>O</b> No
9.	Demonstrated advanced heart failure, including any of the following:		





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-002 Inclusion Criteria**

i.	Serum sodium ≤ 135 mEq/L	O Yes O No
	(obtained as an outpatient using values obtained within the prior 90 days)	<b>O</b> Not available
ii.	Serum BNP ≥ 750 pg/mL or NT-proBNP ≥ 3000 pg/mL (obtained as an outpatient using values obtained within the prior 90 days)	O Yes O No O Not available
iii.	Seattle Heart Failure Model (SHFM) one year predicted survival ≤ 85% (obtained within the prior 90 days) (If <b>Yes</b> , send screen shot via MiShare to the DCC of the SHFM webpage calculation showing % survival at one year.)	O Yes O No O Not available
iv.	Heart Failure Survival Score (HFSS) $\leq$ 7.19 ( <i>Peak VO</i> <sub>2</sub> obtained within the prior 365 days, all other components of the HFSS obtained within the prior 90 days)	O Yes O No O Not available
v.	Peak VO <sub>2</sub> $\leq$ 55% of predicted for age by Wasserman equation or $\leq$ 14 ml/kg/min, with RER $\geq$ 1.05 ( <i>obtained within the prior 365 days</i> )	O Yes O No O Not available
vi.	VE/VCO <sub>2</sub> slope $\geq$ 40 (obtained within the prior 365 days)	O Yes O No O Not available
vii.	6 Minute Walk Test (6MWT) distance ≤ 350 meters without significant non-cardiac limitation ( <i>obtained within the prior 90 days</i> )	O Yes O No O Not available





Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-002 Inclusion Criteria**

	viii.	Currently listed as Heart Transplant Status UNOS 2 due to heart failure limitation	O Yes O Not a	<b>O</b> No available
	ix.	History of one (1) hospitalization ( $\ge 24$ hours) for acute or acute on chronic heart failure in the past year with additional history to include Serum BNP $\ge 500$ pg/mL or NT-proBNP $\ge 2000$ pg/mL (obtained as an outpatient using values obtained within the prior 90 days)	O Yes O Not a	<b>O</b> No available
	Х.	History of two (2) hospitalizations ( $\geq 24$ hours) for acute or acute on chronic heart failure in the past year	O Yes O Not a	<b>O</b> No available
10.	Willingness to continue to receive heart failure care from the enrolling advanced heart failure clinic over the next two (2) years and to come for all scheduled study visits		<b>O</b> Yes	<b>O</b> No
11.	Written	informed consent given	<b>O</b> Yes	<b>O</b> No





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ \_\_\_ \_\_\_\_

#### **RVREG-003 Exclusion Criteria**

Baseline A

## All Exclusion Criteria need to be answered "No" for the subject to be eligible to continue in the Registry.

1.	Known serious medical problem other than heart	<b>O</b> Yes	<b>O</b> No
	failure that would be expected to limit 2-year survival		
	(≥ 50% mortality within 2 years from non-heart		
	failure diagnosis)		
2.	Patient is not likely to be compliant with the protocol,	<b>O</b> Yes	<b>O</b> No
	in the opinion of the Investigator		
3.	Currently hospitalized	<b>O</b> Yes	<b>O</b> No
4.	Current use of an intravenous inotrope	<b>O</b> Yes	<b>O</b> No
5.	Primary functional limitation from non-cardiac	<b>O</b> Yes	<b>O</b> No
	diagnosis even if not likely to limit survival		
6.	Chronic hemodialysis or peritoneal dialysis or serum	<b>O</b> Yes	<b>O</b> No
	creatinine value of ≥ 3 mg/dL at time of enrollment		
7.	Cardiac amyloidosis, cardiac sarcoidosis, constrictive	<b>O</b> Yes	<b>O</b> No
	pericardial disease, active myocarditis or congenital		
	heart disease with significant structural abnormality		
8.	Hypertrophic cardiomyopathy unless dilated LV and	<b>O</b> Yes	<b>O</b> No
	no outflow gradient		
9.	Cardiac conditions that are amenable to surgical or	<b>O</b> Yes	<b>O</b> No
	percutaneous procedures (other than VAD or		
	transplant) that would substantially improve		
	prognosis and for which this subject is a reasonable		
	candidate, regardless of whether the procedure will		
	or will not be performed		
10.	Uncorrected hyperthyroidism or hypothyroidism	<b>O</b> Yes	<b>O</b> No
11.	Pregnancy	<b>O</b> Yes	<b>O</b> No

	Subject ID:
<b>RES</b> IVAL	Visit Date: / / / /
RVREG-004 De	
Baseline A	
Date of Birth: / /	
Sex:	
<b>O</b> Male	
<b>O</b> Female	
Ethnicity: <i>(select one)</i> O Hispanic or Latino O Non-Hispanic or Non-Latino O Unknown/Undisclosed	
<ul> <li>Race: (select all that apply)</li> <li>American Indian or Alaska Nativ</li> <li>Asian</li> <li>African-American or Black</li> <li>Hawaiian or Other Pacific Island</li> <li>White</li> <li>Unknown/Undisclosed</li> <li>Other/none of the above; species</li> </ul>	ler
Is the last five digits of subject's social O Yes	security number available?

- **O** Not available
- **O** Undisclosed

*If Yes*, provide **last five digits** of subject's social security number:

\_\_\_\_\_

KE <mark>v</mark> ival	Visit Date: DI	,	/ DN YY	( <u>YY</u> —
RVREG-004 Der	nographics			
Madigana Claim Numbar (UIC numbar)				
Medicare Claim Number (HIC number)	:			
	/	_ or	<b>O</b> Not ap	plicable

#### Marital Status:

**O** Single **O** Married **O** Domestic Partner **O** Divorced/Separated **O** Widowed **O** Unknown

### Is the subject currently working for income or attending school:

**O** Yes **O** No **O** Unknown

*If Yes*, select one of the following:

- **O** Working or attending school full time
- **O** Working or attending school part time due to demands of treatment
- **O** Working or attending school part time due to disability
- **O** Working or attending school part time due to patient choice
- **O** Working or attending school part time reason unknown
- **O** Working or attending school part time vs. full time unknown
- **O** Working part time due to insurance conflict
- **O** Working part time due to inability to find full time work





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-004 Demographics**

*If* **No**, select the one main reason subject is not working for income or attending school:

- **O** Disability
- **O** Demands of treatment
- **O** Insurance conflict
- **O** Inability to find work
- **O** Subject choice homemaker
- O Subject choice retired
- O Subject choice other
- **O** N/A hospitalized
- **O** Unknown

#### What is the subject's highest educational level?

**O** None

- O Grade school (1-8)
- O High school (9-12)
- **O** Attended college/technical school
- **O** Associate degree
- **O** Bachelor degree
- **O** Post-college Graduate degree
- **O** Unknown

#### What type of health insurance does the subject have? (select all that apply)

- □ None
- □ Medicare Fee-for-Service (standard Medicare)
- Medicare Other (Medicare Advantage, Medicare HMO, Medicare PPO, etc.)
- □ Medicaid
- □ Tricare (formerly CHAMPUS)
- $\hfill\square$  State or Federal plans under the Affordable Care Act
- **U** Workers Compensation
- Private/commercial insurance (BCBS, Cigna, Aetna, United Health, etc.)
- □ Other, specify: \_\_\_\_\_





Visit Date:	/	/	/
	DD	MON	YYYY

#### **RVREG-004 Demographics**

## What is the subject's approximate annual household income from all sources before taxes?

O Less than 20,000
O 20,000-39,999
O 40,000 - 59,999
O 60,000 - 79,999
O 80,000 - 99,999
O >99,999
O Refused

#### Was this subject previously enrolled in MedaMACS?

O Yes O No O Unknown

#### Was this subject previously enrolled in REVIVE-IT?

O Yes O No O Unknown

#### In the opinion of the Investigator, do you feel the subject is competent in the English language to complete the study questionnaires?

O Yes O No

*If No*, this subject should **not** complete the subject-completed Quality of Life questionnaires.



Subject ID:	
-------------	--

Visit Date:		/	/
	DD	MON	YYYY

### **RVREG-005** New York Heart Association Functional Class (NYHA Class)

<b>O</b> Baseline A	<b>O</b> Baseline B
<b>O</b> Month 6	<b>O</b> Month 12
<b>O</b> Month 18	<b>O</b> Month 24

#### Was assessment completed? O Yes **O** No

*If No,* provide reason assessment was not completed:

**Date of Assessment:** \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

**NYHA Class:** 

- **O** Class I: No limitation of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea.
- **O Class II:** Slight limitation of physical activity. Comfortable at rest, but ordinary physical activity results in fatigue, palpitation, or dyspnea.
- **O Class III:** Marked limitation of physical activity. Comfortable at rest, but less than ordinary activity causes fatigue, palpitation, or dyspnea.
- **O Class IIIb:** Very marked limitation of physical activity due to symptoms with minimal exertion.
- O Class IV: Unable to carry out any physical activity without discomfort. Symptoms of cardiac insufficiency at rest. If any physical activity is undertaken, discomfort is increased.



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

R	<b>RVREG-006 INTERMACS® Patient Profile</b>	
O Baseline A O Month 6 O Month 18	O Baseline B O Month 12 O Month 24	
<b>Was assessment co</b> <i>If No,</i> provide rea	<b>mpleted? O</b> Yes <b>O</b> No ason assessment was not completed:	
Date of Assessment	:: / / DD MON YYYY	
Person Performing	Assessment:	rly)

**INTERMACS®** Patient Profile: Select the <u>one</u> INTERMACS® Patient Profile that most closely characterizes the patient's current clinical status.

- **O INTERMACS® 1:** Critical cardiogenic shock describes a patient who is "crashing and burning", in which a patient has life-threatening hypotension and rapidly escalating inotropic pressor support, with critical organ hypoperfusion often confirmed by worsening acidosis and lactate levels. This patient can have modifier A or TCS (see 'Modifiers' below).
- **O INTERMACS® 2:** Progressive decline describes a patient who has been demonstrated "dependent" on inotropic support but nonetheless shows signs of continuing deterioration in nutrition, renal function, fluid retention, or other major status indicator. Patient Profile 2 can also describe a patient with refractory volume overload, perhaps with evidence of impaired perfusion, in whom inotropic infusions *cannot be maintained* due to tachyarrhythmias, clinical ischemia, or other intolerance. This patient can have modifiers A or TCS.



#### **RVREG-006 INTERMACS® Patient Profile**

- **O INTERMACS® 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 symptomatic hypotension, worsening symptoms, or progressive organ dysfunction (usually renal). It is critical to monitor nutrition, renal function, fluid balance, and overall status carefully in order to distinguish between a patient who is truly stable at Patient Profile 3 and a patient who has unappreciated decline rendering them Patient Profile 2. This patient may be either at home or in the hospital. Patient Profile 3 can have modifier A, and if in the hospital with circulatory support can have modifier TCS. If patient is at home most of the time on outpatient inotropic infusion, this patient can have a modifier FF if he or she frequently returns to the hospital.
- **O INTERMACS**<sup>®</sup> **4**: Resting symptoms describes a patient who is at home on oral therapy but frequently has symptoms of congestion at rest or with activities of daily living (ADL). He or she may have orthopnea, shortness of breath during ADL such as dressing or bathing, gastrointestinal symptoms (abdominal discomfort, nausea, poor appetite), disabling ascites or severe lower extremity edema. This patient should be carefully considered for more intensive management and surveillance programs, by which some may be recognized to have poor compliance that would compromise outcomes with any therapy. This patient can have modifiers A and/or FF.
- **O INTERMACS® 5:** Exertion Intolerant describes a patient who is comfortable at rest but unable to engage in any activity, living predominantly within the house or housebound. This patient has no congestive symptoms, but may have chronically elevated volume status, frequently with renal dysfunction, and may be characterized as exercise intolerant. This patient can have modifiers A and/or FF.



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-006 INTERMACS® Patient Profile**

- **O INTERMACS® 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. Activities of daily living are comfortable and minor activities outside the home such as visiting friends or going to a restaurant can be performed, but fatigue results within a few minutes of any meaningful physical exertion. This patient has occasional episodes of worsening symptoms and is likely to have had a hospitalization for heart failure within the past year. This patient can have modifiers A and/or FF.
- **O INTERMACS® 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. This patient is usually able to walk more than a block. Any decompensation requiring intravenous diuretics or hospitalization within the previous month should make this person a Patient Profile 6 or lower. This patient may have a modifier A only.



## **REVIVAL**

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-006 INTERMACS® Patient Profile**

## **INTERMACS® Modifier Present: O** No **O** Yes *If Yes, check all that apply:*

□ A - Arrhythmia. This modifier can modify any profile. Recurrent ventricular tachyarrhythmias that have recently contributed substantially to the overall clinical course. This includes frequent shocks from ICD or requirement for external defibrillator, usually more than twice weekly.

TCS – Temporary Circulatory Support. This modifier can modify only patients who are confined to the hospital, Patient Profiles 1, 2, and 3 (a patient who is listed as Patient Profile 3 stable on inotropes who has been at home until elective admission for implantable VAD cannot have a TCS modifier.) Support includes IABP, ECMO, TandemHeart, Levitronix, BVS 5000 or AB5000, Impella.

FF - Frequent Flyer. This modifier is designed for Patient Profiles 4, 5, and 6. This modifier can modify Patient Profile 3 if usually at home (frequent admission would require escalation from Patient Profile 7 to Patient Profile 6 or worse). Frequent Flyer is designated for a patient requiring frequent emergency visits or hospitalizations for intravenous diuretics, ultrafiltration, or brief inotropic therapy. Frequent would generally be at least two emergency visits/admissions in the past 3 months or 3 times in the past 6 months. NOTE: if admissions are triggered by tachyarrhythmias or ICD shocks then the modifier to be applied to would be A, not FF.

Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ \_\_



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-006 INTERMACS® Patient Profile**

**O** LVAD INTERMACS

#### This form is <u>ONLY</u> to be completed at the time of LVAD implant.

Was assessment completed?	<b>O</b> Yes	<b>O</b> No
<i>If <b>No,</b></i> provide reason assessme	ent was n	ot completed:
Date of Assessment: /	-	
Person Performing Assessment	•	
	(1	please print name clearly)

**INTERMACS®** Patient Profile: Select the <u>one</u> INTERMACS® Patient Profile that most closely characterizes the patient's current clinical status.

**O INTERMACS® 1:** Critical cardiogenic shock describes a patient who is "crashing and burning", in which a patient has life-threatening hypotension and rapidly escalating inotropic pressor support, with critical organ hypoperfusion often confirmed by worsening acidosis and lactate levels. This patient can have modifier A or TCS (see 'Modifiers' below).

**O INTERMACS® 2:** Progressive decline describes a patient who has been demonstrated "dependent" on inotropic support but nonetheless shows signs of continuing deterioration in nutrition, renal function, fluid retention, or other major status indicator. Patient Profile 2 can also describe a patient with refractory volume overload, perhaps with evidence of impaired perfusion, in whom inotropic infusions *cannot be maintained* due to tachyarrhythmias, clinical ischemia, or other intolerance. This patient can have modifiers A or TCS.



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-006 INTERMACS® Patient Profile**

- **O INTERMACS® 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 symptomatic hypotension, worsening symptoms, or progressive organ dysfunction (usually renal). It is critical to monitor nutrition, renal function, fluid balance, and overall status carefully in order to distinguish between a patient who is truly stable at Patient Profile 3 and a patient who has unappreciated decline rendering them Patient Profile 2. This patient may be either at home or in the hospital. Patient Profile 3 can have modifier A, and if in the hospital with circulatory support can have modifier TCS. If patient is at home most of the time on outpatient inotropic infusion, this patient can have a modifier FF if he or she frequently returns to the hospital.
- **O INTERMACS® 4:** Resting symptoms describes a patient who is at home on oral therapy but frequently has symptoms of congestion at rest or with activities of daily living (ADL). He or she may have orthopnea, shortness of breath during ADL such as dressing or bathing, gastrointestinal symptoms (abdominal discomfort, nausea, poor appetite), disabling ascites or severe lower extremity edema. This patient should be carefully considered for more intensive management and surveillance programs, by which some may be recognized to have poor compliance that would compromise outcomes with any therapy. This patient can have modifiers A and/or FF.
- **O INTERMACS® 5:** Exertion Intolerant describes a patient who is comfortable at rest but unable to engage in any activity, living predominantly within the house or housebound. This patient has no congestive symptoms, but may have chronically elevated volume status, frequently with renal dysfunction, and may be characterized as exercise intolerant. This patient can have modifiers A and/or FF.



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-006 INTERMACS® Patient Profile**

- **O INTERMACS® 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. Activities of daily living are comfortable and minor activities outside the home such as visiting friends or going to a restaurant can be performed, but fatigue results within a few minutes of any meaningful physical exertion. This patient has occasional episodes of worsening symptoms and is likely to have had a hospitalization for heart failure within the past year. This patient can have modifiers A and/or FF.
- **O INTERMACS® 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. This patient is usually able to walk more than a block. Any decompensation requiring intravenous diuretics or hospitalization within the previous month should make this person a Patient Profile 6 or lower. This patient may have a modifier A only.



#### **RVREG-006 INTERMACS® Patient Profile**

#### INTERMACS® Modifier Present: O No O Yes If Yes, check all that apply:

□ A - Arrhythmia. This modifier can modify any profile. Recurrent ventricular tachyarrhythmias that have recently contributed substantially to the overall clinical course. This includes frequent shocks from ICD or requirement for external defibrillator, usually more than twice weekly.

- TCS -Temporary Circulatory Support. This modifier can modify only patients who are confined to the hospital, Patient Profiles 1, 2, and 3 (a patient who is listed as Patient Profile 3 stable on inotropes who has been at home until elective admission for implantable VAD cannot have a TCS modifier.) Support includes IABP, ECMO, TandemHeart, Levitronix, BVS 5000 or AB5000, Impella.
- FF Frequent Flyer. This modifier is designed for Patient Profiles 4, 5, and 6. This modifier can modify Patient Profile 3 if usually at home (frequent admission would require escalation from Patient Profile 7 to Patient Profile 6 or worse). Frequent Flyer is designated for a patient requiring frequent emergency visits or hospitalizations for intravenous diuretics, ultrafiltration, or brief inotropic therapy. Frequent would generally be at least two emergency visits/admissions in the past 3 months or 3 times in the past 6 months. NOTE: if admissions are triggered by tachyarrhythmias or ICD shocks then the modifier to be applied to would be A, not FF.



Subject ID:	
-------------	--

		Visit Date:	/ DD	/ MON	_/ <u></u>
	<b>RVREG-007</b> Physic	al Exam/Vit	tals		
<b>O</b> Baseline A	<b>O</b> Baseline B	}			
<b>O</b> Month 6	<b>O</b> Month 12				
<b>O</b> Month 18					
Was assessment com	pleted? O Yes	<b>O</b> No			
<i>lf <b>No,</b></i> provide reas	on assessment was r	not complete	ed <i>:</i>		
Date of Assessment:	/// DD MON YY				

Heart Rate (Beats/min):	or	<b>O</b> Not Done
Systolic Blood Pressure (mmHg):	or	<b>O</b> Not Done
Diastolic Blood Pressure (mmHg):	or	<b>O</b> Not Done
Jugular Venous Pressure (cm):	or	<b>O</b> Not Done

#### S3 Gallop:

O Present O Absent O Not Done

#### S4 Gallop:

O Present O Absent O Not Done

Subject ID:	
-------------	--

# **RE(/IVAL**

Visit Date:		//	/
	DD	MON	YYYY

#### **RVREG-007** Physical Exam/Vitals

#### **Peripheral Edema:**

O None O 1+ O 2+ O >3+ O Not Done

#### Ascites:

O Yes O No O Not Done

#### **Hepatomegaly:**

O Present O Absent O Not Done

Respiratory Rate (Bro	eaths/min): _		or	<b>O</b> Not Done
Height:	<b>O</b> inches	<b>O</b> cm		
Weight (pounds):	··			

#### NOTE: To be calculated by the DCC

Mean Arterial Blood Pressure (mmHG): \_\_\_\_\_

Body Surface Area (m<sup>2</sup>): \_\_\_\_\_

Body Mass Index (Weight (Kg)/Height<sup>2</sup> (Meters): \_\_\_\_\_



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

	RVREG	-008 Hema	atology
<b>O</b> Baseline A	0	Baseline B	
<b>O</b> Month 6	<b>O</b> I	Month 12	
<b>O</b> Month18	0	Month 24	
Was assessment con	npleted?	<b>O</b> Yes	<b>O</b> No
<i>lf <b>No,</b></i> provide reas	son assessm	nent was no	ot completed:

**NOTE:** If the heart failure subject has historic laboratory results on file that were drawn within 14 days of the assessment date, these results may be used for fulfillment of this visit requirement if, in the opinion of the investigator, the historic laboratory result(s) are highly likely to represent the subject's current health status.

Date of Blood Draw: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

White blood cell count (K/mm<sup>3</sup>): \_\_\_\_.

Hemoglobin (g/dL): \_\_\_\_.

Hematocrit (%): \_\_\_\_.

Platelet count (K/mm<sup>3</sup>): \_\_\_\_\_

Lymphocytes (%): \_\_\_\_.



Visit Date:	,	//	/
	DD	MON	YYYY

<b>O</b> Baseline A	0	Baseline B		
<b>O</b> Month 12				
Was assessment co	mpleted?	<b>O</b> Yes	<b>O</b> No	
<i>If <b>No,</b></i> provide re	ason assessn	nent was no	ot completed:	

**NOTE:** If the heart failure subject has historic laboratory results on file that were drawn within 14 days of the assessment date, these results may be used for fulfillment of this visit requirement if, in the opinion of the investigator, the historic laboratory result(s) are highly likely to represent the subject's current health status.

Date of Blood Draw:///
DD MON YYYY
<b>Sodium</b> (mEq/L):
Potassium (mEq/L):
Blood Urea Nitrogen (mg/dL):
Creatinine (mg/dL):
Glucose (mg/dL):
<b>Calcium</b> (mg/dL):
<b>Albumin</b> (g/dL):
SGPT/ALT (Alanine Aminotransferase) (IU/L):
SGOT/AST (Aspartate Aminotransferase) (IU/L):
Total Bilirubin (mg/dL):
Version 1 – REVIVE-IT protocol v6.0 (REVIVAL)

02-JUL-2015



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-009a Chemistry Panel**

Total Cholesterol (mg/dL): \_\_\_\_\_

**Uric Acid** (mg/dL): \_\_\_\_.

INR: \_\_\_\_ . \_\_\_

NOTE: Estimated GFR will be calculated by the DCC at the end of the study



Visit Date:		/	/
	DD	MON	YYYY

<b>O</b> Month 6	0	Month 18		
<b>O</b> Month 24				
Was assessment comp	leted?	<b>O</b> Yes	<b>O</b> No	
<i>If <b>No,</b></i> provide reaso	n assessn	nent was no	ot completed:	

**NOTE:** If the heart failure subject has historic laboratory results on file that were drawn within 14 days of the assessment date, these results may be used for fulfillment of this visit requirement if, in the opinion of the investigator, the historic laboratory results(s) are highly likely to represent the subject's current health status.

Date of Blood Draw: \_\_\_\_/\_\_\_\_/\_\_\_\_\_ DD MON YYYY Sodium (mEq/L): \_\_\_\_\_ Potassium (mEq/L): \_\_\_\_\_ Blood Urea Nitrogen (mg/dL): \_\_\_\_\_ Creatinine (mg/dL): \_\_\_\_\_ Glucose (mg/dL): \_\_\_\_\_ Glucose (mg/dL): \_\_\_\_\_ Calcium (mg/dL): \_\_\_\_\_ Albumin (g/dL): \_\_\_\_ SGPT/ALT (Alanine Aminotransferase) (IU/L): \_\_\_\_\_ SGOT/AST (Aspartate Aminotransferase) (IU/L): \_\_\_\_\_



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ \_\_\_ \_\_\_\_

#### **RVREG-009b Chemistry Panel**

NOTE: Estimated GFR will be calculated by the DCC at the end of the study





			Visit Date:	/_	/_	
				DD	MON	YYYY
	RVR	EG-010a Med	lication Log A	1		
<b>O</b> Baseline A		<b>O</b> Baseline B				
<b>O</b> Month 6		<b>O</b> Month 12				
<b>O</b> Month 18		<b>O</b> Month 24				
Was assessment	completed	<b>O</b> Yes	<b>O</b> No			
<i>lf <b>No,</b></i> provide	reason asse:	ssment was no	ot completed:			
Dose is reported period <i>unless oth</i> ACE inhibitor:		-	g administere	ed with	in a 24-ł	iour
<i>If <b>Yes</b>,</i> Total (select one	-	<ul> <li>mg</li> <li>Lisinopril</li> <li>Ramipril</li> <li>Enalapril</li> <li>Captopril</li> <li>Captopril</li> <li>Fosinopril</li> <li>Benazepril</li> <li>Trandolapri</li> <li>Quinapril</li> <li>Other, spece</li> </ul>				
If <b>No</b> , select i	reason:	O Previously O New intole	on sacubitril/v documented i	intolera	ince	-

•			ID	
<b>N11</b>	hi	ect	11).	
Ju	νj	ιιι	$\mathbf{D}$	_



	Visit Date: / / / /
RV	REG-010a Medication Log A
If previous or ne	ew intolerance, specify reasons:   Renal failure Hypotension Cough Angioedema Unknown Other, specify:
Angiotensin receptor bloc	ker: O Yes O No
<i>If <b>Yes</b>,</i> Total Daily Dose ( <i>select one</i> )	e:mg O Losartan O Valsartan O Candesartan O Olmesartan O Irbesartan O Telemisartan O Other, specify:
If <b>No</b> , select reason:	<ul> <li>O Currently on ACE inhibitor</li> <li>O Currently on sacubitril/valsartan (LCZ-696)</li> <li>O Previously documented intolerance</li> <li>O New intolerance</li> <li>O Other, specify:</li> </ul>
If previous	<ul> <li>or new intolerance, specify reasons:</li> <li>Renal failure</li> <li>Hypotension</li> <li>Angioedema</li> <li>Unknown</li> <li>Other, specify:</li> </ul>

Subject ID:
-------------



Visit Date:	/_		/
_	DD	MON	YYYY

**RVREG-010a Medication Log A** 

Sacubitril/valsartan (LCZ·	·696) <b>(</b>	<b>)</b> Yes	<b>O</b> No	
<i>lf <b>Yes</b>,</i> Total Daily Dos	e:	_ /	mg	
If <b>No</b> , select reason:	O Curr O Prev valsa O Prev this o O Drug Clinio	ently on iously d artan or iously d combina g is not a g is avail	locumented any other locumented ation drug available lable and n sion not to	oitor d allergy or intolerance to ARB or an ACE inhibitor d allergy or intolerance to o allergy or intolerance but use this combination drug

Beta-blocker: O Yes O No

If Yes, Total Daily Dose:	mg
(select one)	<b>O</b> Metoprolol succinate
	<b>O</b> Metoprolol tartrate
	<b>O</b> Carvedilol
	<b>O</b> Carvedilol sustained release
	<b>O</b> Bisoprolol
	<b>O</b> Atenolol
	<b>O</b> Propranolol

#### O Other, specify:\_\_\_\_\_



	Visit Date: / / / /				
	DD MON YYYY				
<b>RVREG-010a Medication Log A</b>					
If <b>No</b> , select reason:	O Previously documented intolerance				
	O New intolerance				
	<b>O</b> Other, specify:				
If previous	s or new intolerance, specify reasons:				
	🗖 Bradycardia				
	Hypotension				
	🗖 Fatigue				
	🗖 Bronchospasm				
	🗖 Unknown				
	Other, specify:				
Aldosterone antagonist:	O Yes O No				
<i>If <b>Yes</b>,</i> Total Daily Dose	: mg				
(select one)	<b>O</b> Spironolactone				
	<b>O</b> Eplerenone				
If <b>No</b> , select reason:	<b>O</b> Previously documented intolerance				
ij ivo, selecci reason.	O New intolerance				
	<b>O</b> Other, specify:				
	• other, speeny:				
If previous	s or new intolerance, specify reasons:				
	Renal Insufficiency				
	Hyperkalemia				
	Gynecomastia				
	Gastrointestinal				
	🗖 Unknown				





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

<b>RVREG-010a</b>	<b>Medication</b>	Log A
ITTILLA VIVA	-i-iouioucion	

Long Acting Nitrate:	<b>O</b> Yes	<b>O</b> No
<i>lf <b>Yes</b>,</i> Total Daily Dos (select one)	<b>O</b> Isoso <b>O</b> Isoso	mg orbide dinitrate orbide mononitrate er, specify:
If <b>No</b> , select reason:	<b>O</b> New <b>O</b> Not	viously documented intolerance v intolerance indicated er, specify:
If previou	□ Hyp □ Hea □ Unk	

Sub	ject	ID:	
-----	------	-----	--



\_\_\_\_

### **RVREG-010a Medication Log A**

Hydralazine:	<b>O</b> Yes	<b>O</b> No			
<i>If <b>Yes</b>,</i> Total Daily Dose: mg					
If <b>No</b> , select reason:		<ul> <li>O Previously documented intolerance</li> <li>O New intolerance</li> <li>O Not indicated</li> <li>O Other, specify:</li></ul>			
	lf previous	or new intolerance, specify reasons: <ul> <li>Hypotension or Lightheadedness</li> <li>Headache</li> <li>Gastrointestinal</li> <li>Unknown</li> <li>Other, specify:</li></ul>			





		Visit	Date: /	/
	RVREG-010b N	<b>Medication</b>	Log B	
O Baseline A O Month 6 O Month 18	O Baselin O Month O Month	12		
Was assessment	completed? O Ye	es <b>O</b> No		
<i>lf <b>No,</b></i> provide	reason assessment wa	as not comp	oleted:	
-	l as the total dose of d herwise specified.	lrug admir	nistered within	n a 24-hour
Loop Diuretic:	<b>O</b> Yes <b>O</b> No			
<i>If <b>Yes</b>,</i> Total (select one)	l Daily Dose: ) O Furoser O Bumeta O Torser O Ethacry	mide anide aide		
Thiazide or Thia	zide-like Diuretic:	<b>O</b> Yes	<b>O</b> No	
<i>If <b>Yes</b>,</i> Total (select one	Daily Dose: e) O Hydroch O Metolazo O Chloroth O Clorthali	lorothiazid one iiazide	e	
Digoxin: O Ye	es <b>O</b> No			
<i>lf <b>Yes</b>,</i> Tota	l Daily Dose:	_ <b>O</b> mg	<b>O</b> mg/mL	<b>O</b> mcg
Version 1 – REVIVE-IT 02-JUL-2015	' protocol v6.0 (REVIVAL)			Page 1 of 3



**RVREG-010b Medication Log B** 

Antiplatelets: **O** Yes **O** No

**NOTE:** These include aspirin, clopidogrel, prasugrel, ticagrelor, dipyridamole.

Oral Anticoagulant: O Yes O No

**NOTE:** These include warfarin, dabigatran, apixaban, rivaroxaban, edoxaban.

**NOTE:** If subject is chronically on oral anticoagulant but temporarily off for procedure, check "Yes".

Antiarrhythmic:	<b>O</b> Yes	<b>O</b> No
	<i>ct all that app</i> niodarone: her antiarrhy	Total Daily Dose: mg
Statin: O Yes	<b>O</b> No	
Allopurinol:	<b>O</b> Yes	<b>O</b> No





#### **RVREG-010b Medication Log B**

PDE-5 Inhibitor:O YesO No\*Do not record if used intermittently for erectile dysfunction.

If **Yes**, (select one):

<b>O</b> *Tadalafil:	Dose:	mg
<b>O</b> *Sildenafil:	Total Daily Dose:	mg
<b>O</b> *Vardenafil:	Total Daily Dose:	mg

#### **Compliance since previous visit**:

How often did the subject have difficulty remembering to take all his/her medications?

O Never/Rarely
O Once in a while
O Sometimes
O Usually
O All the time
O Unknown





Visit Date:	/_		/
Г	)D	MON	YYYY

#### **RVREG-011 Medical History**

Baseline A

(month is not mandatory if heart failure onset was prior to 2014)

#### Number of heart failure-related hospitalizations within the last 12 months:

**NOTE**: Do not include hospitalizations for planned procedures (ICD generator change, implantation of CRT-D)

#### Etiology

30-0CT-2015

Cardiac Diagnosis/Primary: (s	select one	)		
<b>O</b> Coronary Artery D	isease			
<b>O</b> Dilated Myopathy:	Chemoth	nerapy indu	ıced (e.g., Adriamycin,	
Herceptin)				
<b>O</b> Dilated Myopathy:	Alcoholi	С		
<b>O</b> Dilated Myopathy:	Familial			
<b>O</b> Dilated Myopathy:	Idiopath	ic		
<b>O</b> Dilated Myopathy:	Myocard	litis		
<b>O</b> Dilated Myopathy:	-			
<b>O</b> Dilated Myopathy:	-			
<b>O</b> Dilated Myopathy:	Other, sp	pecify:		
<b>O</b> Hypertrophic card	iomyopa	thy (dilated	1)	
<b>O</b> Valvular Heart Dis	ease		-	
<b>O</b> Unknown				
<b>O</b> Other, specify:				
Previous Cardiac Operation:	<b>O</b> No	<b>O</b> Yes	<b>O</b> Unknown	
<i>lf <b>Yes</b>,</i> Type of Previous Car <b>D</b> CABG	rdiac Ope	eration: (che	eck all that apply)	
Aortic valve repla	cement/1	repair		
Version 2 – REVIVE-IT protocol v7.0 (l	REVIVAL)			
Subject ID: \_\_\_ - \_\_ - \_\_\_ -



Visit Date:	/	/	/
	DD	MON	YYYY

RVREG-011	Medical History	
WAURD-DIT	metulical mistory	

□ Mitral valve replacement/repair

□ Tricuspid valve replacement/repair

□ Surgery for aortic aneurysm/dissection

- **□** Cardiac surgery for congenital heart disease
- Resection of left ventricular aneurysm or left ventricular remodeling procedure
- □ Surgery for ventricular or atrial arrhythmias
- □ Other, specify:\_\_\_\_\_

Number of previous sternotomies and thoracotomies: \_\_\_\_\_

#### Arrhythmia: **O** No **O** Yes **O** Unknown

*If Yes*, specify: (*check all that apply*)

- □ Atrial fibrillation or atrial flutter (including paroxysmal)
- □ Sustained ventricular tachycardia
- □ Ventricular fibrillation
- □ Appropriate ICD shock for VT or VF

#### Comorbidities

	Diabetes:	<b>O</b> No	<b>O</b> Yes	<b>O</b> Unknown
--	-----------	-------------	--------------	------------------

 Chronic Obstructive Pulmonary Disease:
 O No
 O Yes
 O Unknown

 Sleep Apnea:
 O No
 O Yes
 O Unknown

 If Yes, select the therapy the subject is receiving: (select one)
 O CPAP

 O BiPAP
 O None



	L	Visit D	ate: / 	/ 10N	<u></u>	
R	VREG-011 Me	edical Hist	tory			
Peripheral Vascular Disea	ase: O No	<b>O</b> Yes	<b>O</b> Unknow	wn		
<i>If <b>Yes</b>,</i> Asymptomatic: Symptomatic:	<b>O</b> No <b>O</b> No					
Connective Tissue or Infla O No O Yes O	<b>mmatory Rh</b> Unknown	eumatolo	gic Disorder		-	
Neurological Event (strok	e or TIA):	<b>O</b> No	O Yes O	Unknown	 I	
Smoking History: O N	lo <b>O</b> Yes	<b>O</b> Unkno	own		-	
<i>lf <b>Yes</b>,</i> currently smoking	g? <b>O</b> No	<b>O</b> Yes	<b>O</b> Unknowr	1		
# of pack years	or <b>O</b> Ur	ıknown				
( <b>Pack Years</b> - The nur multiplied by the num cigarettes per day for	ber of years. Fo	or example	, a subject sm	-	-	
Psychiatric History: C	<b>D</b> No <b>O</b> Yes	<b>O</b> Unk	known		_	
<i>If <b>Yes,</b></i> hospitalization <b>O</b> No <b>O</b> Yes	for major psy <b>O</b> Unknown	chiatric illi	ness?			

Subject ID: \_\_\_\_\_ - \_\_\_ - \_\_\_\_





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_

#### **RVREG-011 Medical History**

Significant ( <u>&gt;</u> 1 (i.e. not due to	O No O Yes 0 lbs) <u>unintention</u> dieting or exercis	<u>al</u> weight	loss durin	0 1 0
, j	specify:			
	$\mathbf{O} \ge 10$ lbs and $\le 2$			
	<b>O</b> > 20 lbs and $\leq 4$	l0 lbs		
	<b>O</b> > 40 lbs			
Is the subject on	home oxygen?	<b>O</b> No	<b>O</b> Yes	<b>O</b> Unknown
Was the nation t	on intravenous in	notrones	for other	than diagnostic
-	ast 90 days?		<b>O</b> Yes	than thaghostic
If <b>Vas</b> spacif	-			

*If Yes*, specify:

**O** 1 – 14 days **O** 15 – 30 days **O** 31 – 90 days



Subject ID: \_\_\_\_\_ - \_\_\_\_

		Vi	sit Date: _	/ DD	/_ /_	<u></u>
RVREG-012 6	Minute Walk T	ſest and	d 15 Fee	t Gait S	peed Te	est
<b>O</b> Baseline A	<b>O</b> Base	line B				
<b>O</b> Month 6	<b>O</b> Mon	th 12				
O Month 18	<b>O</b> Mont	th 24				
Was assessment con	npleted? O	) Yes	<b>O</b> No			
<i>lf <b>No,</b></i> provide rea	son assessment	was not	complet	ted:		
Date of 6 Minute Wa	lk Test and Gai	it Speed			. <u></u> / MON	- <u></u>
Person Performing	Assessment			עם 1	MON	YYYY
r er som r er tor ming r	135C55ment		lease prir	nt name	clearly)	
Gait Speed Test						
Gait Speed (15 feet v	valk time):	(;	seconds)			
Was Gait Speed Test	completed? C	<b>)</b> Yes	<b>O</b> No			
<i>lf <b>No</b>,</i> reason: ( <i>se</i>	lect all that appl	y)				
🗖 Chest pain						
Dizziness						
Severe dyspr						
🗖 Other, specif	y:					



Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-012 6 Minute Walk Test and 15 Feet Gait Speed Test**

#### <u>6 Minute Walk Test</u>

	Baseline	End of Test
Time (min:sec)	0:00	
Heart Rate (bpm)		
Systolic Blood Pressure (mmHg)		
Diastolic Blood Pressure (mmHg)		
Borg Dyspnea (see MOP for Borg Scale)		
Borg Fatigue (see MOP for Borg Scale)		

#### **Stopped or paused before 6 minutes? O** Yes **O** No

If Yes, reason: (select all that apply)

- **D** Chest pain
- **D** Dizziness
- **G** Severe dyspnea
- □ Other, specify:\_\_\_\_\_

#### Was 6 Minute Walk Test completed? O Yes O No

If No, reason: (select all that apply)

Chest pain
Dizziness
Severe dyapp

- Severe dyspnea
- □ Other, specify:\_\_\_\_\_



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-012 6 Minute Walk Test and 15 Feet Gait Speed Test**

## Did the subject walk less than he/she would have walked otherwise due to orthopedic, arthralgic, or neurologic limitations?

O Yes O No

Total distance walked: \_\_\_\_\_ (meters)



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

		Visit Date:	///		
			DD	MON	үүүү
R	VREG-013 Handgi	rip Strength	Test		
<b>O</b> Baseline A	<b>O</b> Baseline	e B			
<b>O</b> Month 6	<b>O</b> Month 1	.2			
<b>O</b> Month 18	<b>O</b> Month 2	24			
Was assessment cor	npleted? O Ye	s <b>O</b> No			
<i>If <b>No</b>.</i> provide rea	son assessment was	s not comple	ted:		
, F		P			
NOTE: Make sure dyn	amometer is set at p	position 2 ( $2^n$	<sup>d</sup> hand	le setting)	)
Date of Handgrip St	rength Test: /	/ /			
Date of Handgrip St	DD ,	MON	YYYY —	-	
What is the subject's (this should be the har		<b>O</b> Right	: 0	Left	
Peak grip strength #1	: lbs				
Peak grip strength #2	2: lbs				

Peak grip strength #3: \_\_\_\_ lbs

#### NOTE: To be calculated by the DCC

Peak grip strength **average**: \_\_\_\_\_ lbs



Subject ID:
-------------

Visit Date:		/	/
	DD	MON	VVVV

**RVREG-014 ECG** 

O Baseline A O Baseline B O Month 12			
Was assessment completed	1?	<b>O</b> Yes	<b>O</b> No
<i>If <b>No,</b></i> provide reason ass	essm	ent was no	ot completed:

**NOTE:** If the heart failure subject has a historic ECG on file that was completed within 30 days of the assessment date, this may be used for fulfillment of this visit requirement if, in the opinion of the investigator, the historic ECG is highly likely to represent the subject's current health status.

Date of Assessment: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

Heart Rate (beats/min): \_\_\_\_\_





Visit Date:	/	/	/
	DD	MON	YYYY

#### **RVREG-014 ECG**

#### **Atrioventricular conduction**

PR duration (for subjects not in atrial fibrillation):	(msec)	
2 <sup>nd</sup> Degree Heart Block (Wenckebach, Mobitz Type I):	<b>O</b> Yes	<b>O</b> No
2 <sup>nd</sup> Degree Heart Block (Mobitz Type II):	<b>O</b> Yes	<b>O</b> No
3 <sup>rd</sup> Degree Heart Block (Complete Heart Block):	<b>O</b> Yes	<b>O</b> No

#### **Intraventricular Conduction**

Ventricular pacing:

Right ventricular pacing:	<b>O</b> Yes	<b>O</b> No
Left ventricular pacing:	<b>O</b> Yes	<b>O</b> No

**NOTE**: If subject is receiving biventricular pacing, both right ventricular pacing and left ventricular pacing should be checked "Yes".

Right Bundle Branch Block:	<b>O</b> Yes	<b>O</b> No	<b>O</b> Not applicable
Left Bundle Branch Block:	<b>O</b> Yes	<b>O</b> No	<b>O</b> Not applicable
Nonspecific IVCD:	<b>O</b> Yes	<b>O</b> No	<b>O</b> Not applicable

QRS Duration (msec): \_\_\_\_\_

Myocardial Infarction:	<b>O</b> Acute	<b>O</b> Old	<b>O</b> NA

#### **RVREG-015 Seattle Heart Failure Model Score**

**O** Baseline A **O** Month 12 **O** Baseline B

### SHFM DATA WILL NOT BE COLLECTED IN THE OPENCLINICA DATABASE. ANALYSIS WILL BE COMPLETED BY DCC STATISTICAL STAFF AT THE END OF THE STUDY.

Date of Assessment: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

SHFM Score: \_\_\_\_\_

# **RE(/IVAL**

Subject ID:			'			
-------------	--	--	---	--	--	--

		Visit Date:	/_ /_	/ MON	<u></u>
RVREG-0	16 Initi	al Data		non	
<b>O</b> Baseline A					
Was assessment completed? O	Yes	<b>O</b> No			
<i>If <b>No,</b></i> provide reason assessment	was no <b>t</b>	complete	d:		
Date of Assessment: ///	YYYY				
Length of time followed by study site O 0 – 3 months O 3 – 12 months O 1 – 2 years O > 2 years	te's hea	rt failure	group	:	
Prior heart transplant evaluation?	0 1	les <b>O</b> I	No		
If <b>Yes</b> , evaluation outcome:					
O Reject (e.g., comorbidit O Defer (too well) O Added	ies, age,	psychoso	cial)		
If <b>Added</b> , listing date:	/ DD		YYYY	-	
Listing status:					
<b>O</b> 1A					
<b>O</b> 1B					
O 2 O 7					
•					





Visit Date: _	,	/	/
	DD	MON	YYYY

**RVREG-016** Initial Data

**O** Unknown

#### Prior DT VAD evaluation? O Yes O No

*If Yes*, evaluation outcome:

O Reject (e.g., comorbidities, age, psychosocial)
O Defer (too well)
O Accept

#### **Resuscitation status:**

**O** Full resuscitation**O** DNR, DNI or both**O** Unknown

#### Left Ventricular Ejection Fraction (%): \_\_\_\_\_

**Ischemic etiology: O** Yes **O** No

Devices: (select one) O None O ICD O BiV Pacer O BiV Pacer/ICD



Subject ID:				-			
-------------	--	--	--	---	--	--	--

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

עע	MON	1111

#### **RVREG-017 Quality of Life Forms Tracking - Subject**

O Month 6         O Month 12           O Month 18         O Month 24		
--	--	--

<b>Date of Quality of Life Assessments:</b>		/	/
	DD	MON	YYYY

#### Name of person administering Quality of Life Assessments:

(please print name clearly)

#### **Quality of Life Forms**:

Instrument	Subject Completed?	
EQ-5D	<b>O</b> Yes	<b>O</b> No
(RVREG-018)	• 103	0110
Kansas City Cardiomyopathy Questionnaire	<b>O</b> Yes	<b>O</b> No
(RVREG-019)	0103	ONO
PHQ-8	<b>O</b> Yes	<b>O</b> No
(RVREG-020)	0105	<b>U</b> NO
State Trait Anxiety Inventory	<b>O</b> Yes	<b>O</b> No
(RVREG-021)	<b>U</b> les	<b>U</b> NU
VAD Survey	<b>O</b> Yes	<b>O</b> No
(RVREG-022)	<b>U</b> res	<b>U</b> NU





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

#### **RVREG-017 Quality of Life Forms Tracking - Subject**

<u>Select One response if any of the Instruments above were **Not Completed** by the **Subject** for the specific time period:</u>

- **O** subject states he or she is too sick to complete questionnaires
- **O** coordinator did not approach subject because of health status
- **O** subject refused, too tired
- **O** subject refused, too stressed, anxious, and/or depressed
- **O** subject refused, can't concentrate
- **O** subject refused, no time/too busy
- **O** subject refused, too much trouble/don't want to be bothered/not interested
- **O** subject refused, no reason given
- **O** subject missed a clinic appointment
- **O** subject did not return mailed questionnaires
- **O** subject unable to read English and/or is illiterate
- **O** no time, coordinator too busy to administer questionnaires
- **O** coordinator forgot to administer questionnaires
- **O** subject dropped from study
- **O** subject died
- O other reason (describe): \_\_\_\_\_

Subject ID:			
-------------	--	--	--

Method of Administration (Select one):
O patient self-report/clinic
O patient self-report/hospital
O oral/interview

Visit Date:	/	/	/
	DD	MON	YYYY



O Baseline A O Month 6 O Month 18 O Baseline B O Month 12 O Month 24

#### Health Questionnaire

(English version for the US)

© 1990 EuroQol Group. EQ-5D<sup>TM</sup> is a trade mark of the EuroQol Group

By placing a checkmark in one box in each group below, please indicate which statements best describe your own health state today.

#### Mobility

I have no problems in walking about	
I have some problems in walking about	
I am confined to bed	
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	
<b>Usual Activities</b> (e.g. work, study, housework, family or leisure activities)	
I have no problems with performing my usual activities	
I have some problems with performing my usual activities	
I am unable to perform my usual activities	
Pain/Discomfort	
I have no pain or discomfort	
I have moderate pain or discomfort	
I have extreme pain or discomfort	
Anxiety/Depression	
I am not anxious or depressed	
I am moderately anxious or depressed	
I am extremely anxious or depressed	

© 1990 EuroQol Group. EQ-5D<sup>TM</sup> is a trade mark of the EuroQol Group

 Subject ID:
 <th

Best imaginable health state

To help people say how good or bad a health state is, we have drawn a scale (rather like a thermometer) on which the best state you can imagine is marked **100** and the worst state you can imagine is marked **0**.

RVREG-018

We would like you to indicate on this scale how good or bad your own health is today, in your opinion. Please do this by drawing a line from the box below to whichever point on the scale indicates how good or bad your health state is today.

> Your own health state today



imaginable health state

© 1990 EuroQol Group. EQ-5D<sup>TM</sup> is a trade mark of the EuroQol Group

RVREG-018		Subject ID:
REVIVAL Additional Questions Please answer questions #1-6 be additional information.	elow,	Visit Date:/// DD MON YYYY so as to provide us with some
1. Which of the following best de (select one) Too sick to work (disabled) Actively working Keeping house Student Retired Seeking work Other		<b>bes your "<u>one" main activity</u>?</b> lease specify:
Is this "one" main activity co Full Time <b>O</b>		red: Part Time <b>O</b>

2. How many of your close friends or relatives do you see in person, speak to on the telephone, or contact via the internet <u>at least once a month</u>? \_\_\_\_\_ (*please count each person 1 time*)

<u>Please circle a number from 1 to 10 to respond to the questions below.</u>

3. How much <u>stress</u> do you feel you've been under <u>during the past 1 month</u>, related to your health issues?

1	2	3	4	5	6	7	8	9	10
No stress								Very m	uch stress

## 4. How well do you feel you've been <u>coping</u> with or handling your stress <u>during the past 1 month</u>, related to your health issues?

1	2	3	4	5	6	7	8	9	10
Coping ver	ry poorly	/						Coping	very well

Subject	ID:	
Visit Date:	/	
	DD	MON

RVREG-018

## 5. How <u>confident</u> are you that you can do the tasks and activities needed to <u>manage your heart failure</u> so as to reduce how much having heart failure affects your everyday life?

 1
 2
 3
 4
 5
 6
 7
 8
 9
 10

 Not at all confident
 Totally confident

## 6. How satisfied are you with the <u>outcome</u> of your therapy for heart failure <u>during the past 6 months</u>?

1	2	3	4	5	6	7	8	9	10
Not satisfi	ied							Very	v satisfied

\_\_\_\_

YYYY

\_\_/\_\_

	<b>-</b> -		
lect one)			
	Visit Date:	/	/_

Subject ID:

DD

MON

YYYY

Method of Administration: (select O patient self-report/clinic O patient self-report/hospital O oral/interview

RVRFG-019

THE KANSAS	CITY (	CARDIOMYOPATHY	OUESTIONNAIRE
			VULDIUUUUUU

<b>O</b> Baseline A	<b>O</b> Baseline B
<b>O</b> Month 6	<b>O</b> Month 12
<b>O</b> Month 18	<b>O</b> Month 24

The following questions refer to your **heart failure** and how it may affect your life. Please read and complete the following questions. There are no right or wrong answers. Please mark the answer that best applies to you.

**1. 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 <u>over the past 2 weeks</u>.

Activity	Extremely limited	Quite a bit limited	Moderately limited	Slightly limited	Not at all limited	Limited for other reasons or did not do the activity
Dressing yourself	f 🗖				٥	
Showering/Bathin	ng 🗖					٥
Walking 1 block level ground	on 🗖					
Doing yardwork, housework or carrying grocer						
Climbing a flight stairs without stopping	of 🗖					
Hurrying or joggi (as if to catch a b						٥

Place an **X** in one box on each line

2. <u>Compared with 2 weeks ago</u>, have your symptoms of **heart failure** (shortness of breath, fatigue or ankle swelling) changed? My symptoms of **heart failure** have become...

Much worse	Slightly worse	Not changed	Slightly better	Much better	I've had no symptoms
п	-	-			over the last 2 weeks

RVREG-019	Subject ID:		
	Visit Date: / / /		
	DD MON YYYY		
	DD MON YYY		

**3**. Over the <u>past 2 weeks</u>, how many times did you have **swelling** in your feet, ankles or legs when you woke up in in the morning?

Every	3 or more times	1-2 times a	Less than once	Never over the
morning	a week, but not	week	a week	past 2 weeks
	every day			

**4**. Over the <u>past 2 weeks</u>, how much has **swelling** in your feet, ankles or legs bothered you? It has been...

Extremely	Quite a bit	Moderately	Slightly	Not at all	I've had <b>no</b>
bothersome	bothersome	bothersome	bothersome	bothersome	swelling

5. Over the <u>past 2 weeks</u>, on average, how many times has **fatigue** limited your ability to do what you want?

All of the time	Several times per day		3 or more times per week but not		Less than once a week	Never over the past 2 weeks
	I and	j	every day	<b>r</b>		L

6. Over the <u>past 2 weeks</u>, how much has your **fatigue** bothered you? It has been...

Extremely	Quite a bit	Moderately	Slightly	Not at all	I've had
bothersome	bothersome	bothersome	bothersome	bothersome	no fatigue

7. Over the <u>past 2 weeks</u>, on average, how many times has **shortness of breath** limited your ability to do what you wanted?

All of the	Several times	At least	3 or more times	1-2 times	Less than	Never over the
time	per day	once a day	per week but not	per week	once a week	past 2 weeks
			every day			

8. Over the past 2 weeks, how much has your shortness of breath bothered you?

Extremely	Quite a bit	Moderately	Slightly	Not at all	I've had no shortness
bothersome	bothersome	bothersome	bothersome	bothersome	of breath

RVREG-019	Subject ID:			
	Visit Date:        ///			

9. Over the <u>past 2 weeks</u>, 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	1-2 times a week	Less than once a week	Never over the past 2 weeks
	every day			

**10. Heart Failure** symptoms can worsen for a number of reasons. How sure are you that you know what to do, or whom to call, if your **heart failure** gets worse?

Not at all	Not very sure	Somewhat sure	Mostly sure	Completely sure
sure				

**11**. How well do you understand what things you are able to do to keep your **heart failure** symptoms from getting worse? (for example, weighing yourself, eating a low salt diet, etc.)

Do not understand	Do not understand	Somewhat understand	Mostly understand	Completely understand
at all	very well	_	_	_

12. Over the past 2 weeks, how much has your heart failure limited your enjoyment of life?

It has <b>extremely</b>	It has limited	It has	It has <b>slightly</b>	It has <b>not limited</b> my
limited my	my enjoyment	moderately	limited my	enjoyment of life
enjoyment of	of life quite	limited my	enjoyment of	at all
life	a bit	enjoyment of life	life	

**13**. If you had to spend the rest of your life with your **heart failure** the way it is <u>right now</u>, how would you feel about this?

Not at all	Mostly	Somewhat	Mostly satisfied	Completely
satisfied	dissatisfied	satisfied		satisfied

RVREG-019	Subject ID:		
	Visit Date:        ///		

14. Over the <u>past 2 weeks</u>, how often have you felt discouraged or down in the dumps because of your **heart failure**?

I felt that way	I felt that way	I <b>occasionally</b>	I <b>rarely</b> felt that	I <b>never</b> felt that
all of the	most of the	felt that way	way	way
time	time			

**15**. How much does your **heart failure** affect your lifestyle? Please indicate how your **heart failure** may have limited your participation in the following activities <u>over the past 2 weeks</u>?

Activity	Severely limited	Limited <b>quite a bit</b>	<b>Moderately</b> limited	Slightly limited	<b>Did not</b> limit at all	Does not apply or did not do for other reasons
Hobbies, recreationa activities						
Working or doing household chores						
Visiting family or fri out of your home	ends					
Intimate relationship with loved ones	s					

Please place an **X** in one box on each line

Developed by John Spertus et al., Mid America Heart Institute, Saint Luke's Hospital, Kansas City, MO.

Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ -

#### Method of Administration: (select one)

**O** patient self-report/clinic

- **O** patient self-report/hospital
- **O** oral/interview

Visit Date:	/	′ 	_/	
	DD	MON	YYYY	

O Baseline A O Month 6 O Month 18 O Baseline B O Month 12 O Month 24

#### Patient Personal Health Questionnaire

Over the past 2 weeks, how often have you been bothered by any of the following problems?

Please circle a number (0 to 3) for each question.

	ow often during the past 2 weeks are you bothered by	Not at all	Several days	More than half the days	Nearly every day
1.	Little interest or pleasure in doing things?	0	1	2	3
2.	Feeling down, depressed, or hopeless?	0	1	2	3
3.	Trouble falling or staying asleep, or sleeping too much?	0	1	2	3
4.	Feeling tired or having little energy?	0	1	2	3
5.	Poor appetite or overeating?	0	1	2	3
6.	Feeling bad about yourself, or that you are a failure, or have let yourself or your family down?	0	1	2	3
7.	Trouble concentrating on things, such as reading the newspaper or watching television?	0	1	2	3
8.	Moving or speaking so slowly that other people could have noticed. Or the opposite-being so fidgety or restless that you have been moving around a lot more than usual?	0	1	2	3

Kroenke K & Spitzer RL, (PHQ-8) 2002

Method of Administration (Se	elect one ):	Subject I	D:		
O patient self-report/clinic				_	
O patient self-report/hospita	1	Visit Date:	/	/_	
<b>O</b> oral/interview			DD	MON	YYYY
	SELF-EVALUATION QUESTIONN	AIRE (STAI Form	1 Y-1)		
<b>O</b> Baseline A	<b>O</b> Baseline B			<b>O</b> Month 6	5
<b>O</b> Month 12	<b>O</b> Month 18			<b>O</b> Month 2	24
DIRECTIONS:					
appropriate number to the right you feel <i>right</i> now, that is, <i>at thi</i> wrong answers. Do not spend to	eople have used to describe d each statement and then circle the of the statement to indicate how <i>is moment</i> . There are no right or o much time on any one statement s to describe your present feelings	NOT RIFE	MENTH	MODERATELY	VERY MUCH 3
		1	2		3
2. I feel secure		1	2		3
3. I feel tense		1	2		3
4. I feel strained		1	2		3
5. I feel at ease		1	2		3
6. I feel upset		1	2		3
7. I am presently worrying ov	er possible misfortunes	1	2		3
8. I feel satisfied		1	2		3
9. I feel frightened		1	2		3
10. I feel comfortable		1	2		3
11. I feel self-confident		1	2		3
12. I feel nervous		1	2		3
13. I am jittery		1	2		3
14. I feel indecisive		1	2		3
15. I am relaxed		1	2		3
16. I feel content		1	2		3
17. I am worried		1	2		3
18. I feel confused		1	2		3
19. I feel steady		1	2		3
20. I feel pleasant		1	2		3

STAID-AD Sampler, © 1968, 1977 Charles D. Spielberger. All Rights Reserved. Published by Mind Garden, Inc., www.mindgarden.com



Subject ID: \_\_\_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ /\_\_\_ \_\_\_\_

#### **RVREG-022 VAD Survey**

- O Baseline A O Month 6 O Month 18
- O Baseline B O Month 12 O Month 24

#### Please read the following information

Heart failure develops when the heart is too weak to pump blood to the body. This can cause shortness of breath, tiredness and swelling. For most people, heart failure gets worse over time. Severe heart failure can even lead to death. Many effective medical treatments are available for heart failure, but sometimes medications alone are not enough.

Mechanical heart pumps called ventricular assist devices, or VADs, are a way to improve the blood flow throughout the body. These pumps do not replace the heart. They only assist the heart in pumping blood to the body. Presently, VADs are only used in patients with very advanced heart failure.

Placement of a VAD requires major open heart surgery. The pump is placed inside the chest and is connected to the heart. The VAD also has a power line that leaves the body through the skin in the front of the abdomen and is attached to a power supply outside the body.

On average, people will remain in the hospital for about two weeks after VAD surgery, sometimes longer. Patients and their caregivers attend education sessions to learn about how to use the new equipment. Once discharged from the hospital, most patients are able to return home and live independently.

After 2 years, about 7 out of 10 patients who receive a VAD are still alive. Once recovered from surgery, most patients feel a big improvement in heart failure symptoms—less shortness of breath, more energy and less swelling.





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-022 VAD Survey**

Complications can occur after receiving a VAD. After 2 years, 7 in 10 patients will need to be readmitted to the hospital for complications.

- 1 in 10 will have a disabling stroke
- 2 in 10 will have a life threatening infection
- 3 in 10 will have bleeding from the stomach, bowels, or nose that requires a trip to the hospital
- 1 in 10 will need surgery to replace a VAD that is not working right

#### Illustration of a VAD:



Version 1 – REVIVE-IT protocol v6.0 (REVIVAL) 02-JUL-2015





#### **RVREG-022 VAD Survey**

Based on how you feel right now, how would you feel about having a VAD placed to treat your heart failure? *(select one)* 

O I would DEFINITELY want it
O I would PROBABLY want it
O I don't know if I would want it or not
O I would PROBABLY NOT want it
O I would DEFINITELY NOT want it

Based on how you feel today and what you know about your heart failure, what is your best guess of how much longer you have to live? For the purpose of this question, please assume that a VAD or a heart transplant would not be possible for you.

\_\_\_\_\_Years

\_\_\_\_\_ Months

Many life-sustaining therapies are available near the end of life. These include dialysis, breathing machines, tubes for feeding, and heart resuscitation. Has your physician talked about your wishes regarding such life-sustaining therapies?

#### **O** Yes **O** No



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-022 VAD Survey**

At this time, would you want any and all life-sustaining therapies available?

O Yes O No

#### Are there any life-sustaining therapies you do not want?

(check all that apply)

□ Kidney dialysis

**D** Being placed on a breathing machine

**G** Feeding tube if unable to eat

**Chest compressions** 

Transfer to the Intensive Care Unit (ICU)



Subject ID: \_\_\_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ \_\_\_\_

#### **RVREG-023 Heart Failure Survival Score**

Baseline B

Was assessment completed? O Yes O No

*If No*, provide reason assessment was not completed:

NOTE: This form will be completed by the DCC

*DCC will be calculating and entering this score. Form will be in OC but sites will not have access.* 

Date of Assessment: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

Heart Failure Survival Score: \_\_\_\_\_

Heart Failure Survival Score Strata: \_\_\_\_\_

O Low O Medium O High



Subject ID: \_\_\_\_\_ - \_\_\_\_ - \_\_\_\_

	Visit Date: _	/ DD	/_ MON	<u></u>
RVREG-024 Sample Collect	tion for Ser	um An	alysis	
Baseline B				
Was the blood sample obtained? If No, Reason sample not obtained		) No		
<i>If <b>Yes</b>,</i> Date Blood Sample Obtained	:/ DD MC	-	- <u></u>	
Time Blood Sample Obta		: I, 24-hou	r clock	
NOTE: Blood samples will be shipped at the University of Pittsburgh: Direct				ooratory
Date of Shipment to Biomarker Core	Laboratory	: DD	/ MON	./
( <u>please print clearly</u> )				
Person Shipping:				
Email of Shipper:				
Site Phone Number:	-XXXX)			





Subject ID: \_\_\_\_\_ - \_\_\_\_ - \_\_\_\_

	Visit Da	te: /	/	
		DD	MON	үүүү
RVREG-025 Sample Co	ollection fo	r RNA An	alysis	
Baseline B				
Was the blood sample obtained?	<b>O</b> Yes	<b>O</b> No		
<i>If <b>No</b>,</i> Reason sample not obtai	ned:			
<i>If <b>Yes</b>,</i> Date Blood Sample Obtain	ned:/ 	//. /.	YYYY	
Time Blood Sample (		:: H:MM, 24-ho		
NOTE: Blood samples will be shipp at the University of Pittsburgh: Dir				ooratory
Date of Shipment to Biomarker Co	ore Laborat	tory: DD		./
( <u>please print clearly</u> )				
Person Shipping:				
Email of Shipper:				
Site Phone Number:				
(XXX-X	XXX-XXXX)			



Subject ID:	•		
-------------	---	--	--

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-025 Sample Collection for RNA Analysis**

<u>To be filled out by Core Lab/DCC:</u>	
Was sample for RNA Analysis received?	<b>O</b> Yes <b>O</b> No
<i>If <b>No</b>,</i> Reason:	
<i>If <b>Yes</b></i> , Date Shipment Received:	//
Name of Person Receiving Shipment: <u>-</u>	(please print name clearly)
Additional comments:	





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

**RVREG-026 Sample Collection for Genomic DNA Analysis** 

Baseline B

Was the blood sample obtained? **O** Yes **O** No

If No, Reason sample not obtained:

Time Blood Sample Obtained: \_\_\_\_: \_\_\_: \_\_\_\_: \_\_\_\_\_ HH:MM, 24-hour clock

NOTE: Blood samples will be shipped to the Biomarker Core Laboratory at the University of Pittsburgh: Director - Dennis McNamara

(please print clearly)

Person Shipping: \_\_\_\_\_

Email of Shipper: \_\_\_\_\_

<b>RE(/IVAL</b>
-----------------

Visit Date:	,	/	/
	DD	MON	YYYY

#### **RVREG-026 Sample Collection for Genomic DNA Analysis**

<u>To be filled out by Core Lab/DCC:</u>
Was sample for Genomic DNA Analysis received? O Yes O No
<i>If <b>No</b>,</i> Reason:
<i>If <b>Yes</b></i> , Date Shipment Received:///
Name of Person Receiving Shipment:
Additional comments:




Visit Date:	,	/	/
	DD	MON	YYYY

#### **RVREG-027 Cardiopulmonary Exercise Test Tracking**

Baseline B					
Was assessment completed?	<b>O</b> Yes	<b>O</b> No			
<i>If <b>No,</b></i> provide reason assessm	ient was n	ot completed:			
NOTE: Cardiopulmonary exerci Exercise Core Laboratory at Col		-		-	-
Date of Cardiopulmonary Exerc	cise Test:	/ DD MON	/	_	
Was the gas calibration perform	ned prior	to subject te	sting?	<b>O</b> Yes	<b>O</b> No
Person Performing Test:		se print name			
Date submitted to DCC:/	/ /	- <u></u>			

Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_



#### **RVREG-027 Cardiopulmonary Exercise Test Tracking**

Stage	Time (min)	HR	Systolic BP	Diastolic BP	BORG (RPE)
Rest	0				
1	3				
2	6				
3	9				
4	12				
5	15				
6	18				
7	21				
8	24				
9	27				
10	30				
Peak	: (min:sec)				





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

RVREG-027 Cardiopulmonary Exercise Test Tracking

#### Data submitted in 30-second breath averages in tabular form:

(all should be submitted)	
$\square$ VO <sub>2</sub> (mL/min)	🗖 VO <sub>2</sub> (mL/kg/min)
$\Box$ VCO <sub>2</sub> (mL/min)	
$\Box$ VE/VO <sub>2</sub>	$\Box$ VE/VCO <sub>2</sub>
<b>D</b> VE	$\square$ HR
🗖 RR	$\square$ Pet O <sub>2</sub>
$\square$ P <sub>et</sub> CO <sub>2</sub>	
Original color graphs submitted: (all should be submitted) □ VO <sub>2</sub> , VCO <sub>2</sub> vs Time	□ VE/VO2, VE/VCO2 vs Time
$\square$ P <sub>ET</sub> CO <sub>2</sub> , P <sub>ET</sub> O <sub>2</sub> vs Time	$\Box VCO_2 vs VO_2$
$\square$ RER vs Time	$\Box$ VE vs Time
Composite Anaerobic Threshold Plot:	
VCO <sub>2</sub> , PET O <sub>2</sub> , VE/VO <sub>2</sub> , RER vS VO <sub>2</sub>	
Reason for stopping exercise:	
(select all that apply)	
🗖 Dyspnea	🗖 Fatigue
🗖 Chest Pain	Claudication
Dizziness	Other; specify

#### DCC use only:

Date Test Forwarded to Cardiopulmonary Exercise Core Laboratory:



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ -

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-028 Cardiopulmonary Exercise Test**

Baseline B

Was assessment completed? O Yes O No

*If No*, provide reason assessment was not completed: \_\_\_\_\_

**Entered by CPX Core Lab** 

Cardiopulmonary Exercise Test: \_\_\_\_\_ Month(s) post enrollment

Date of Assessment by Core Lab: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

#### Cardiopulmonary Exercise Test Results:

Key Variables	Rest	Ventilatory Threshold	Peak Exercise
Time (min:sec)			
HR			
Mean arterial BP			
VE			
VE/VCO <sub>2</sub> @AT			
RER			
VO <sub>2</sub> (mL/min)			
VO <sub>2</sub> (mL/kg/min)			
% Predicted VO <sub>2</sub>			
Modified Borg Scale			
P <sub>ET</sub> CO <sub>2</sub>			
VO <sub>2</sub> pulse			



Subject ID: \_\_\_\_\_ - \_\_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-028 Cardiopulmonary Exercise Test**

<ul> <li>Reason for stopping test: (select all t</li> <li>□ Dyspnea</li> <li>□ Chest Pain</li> <li>□ Dizziness</li> </ul>	e cation specify	
Was the test a maximal CPX test?	<b>O</b> Yes	<b>O</b> No
Can you identify a significant non-c limitation? O Yes O No	ardiac con	nponent to the exercise
<b>Comments:</b> (provide any additional ex	xplanation j	for test failure)



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ \_\_

Visit Date:	/	/	/
	DD	MON	YYYY

**RVREG-029** Transthoracic Echocardiogram Tracking

Baseline B

Was assessment completed?	<b>O</b> Yes	<b>O</b> No
---------------------------	--------------	-------------

*If No,* provide reason assessment was not completed: \_\_\_\_\_

NOTE: Echocardiogram to be forwarded to Echocardiogram Core Laboratory at the University of Pittsburgh: Director – John Gorcsan, MD

Person Performing Transthoracic Echocardiogram:

(please print name clearly)

#### DCC use only:

Date Test Forwarded to Echocardiogram Core Laboratory:

Version 1 – REVIVE-IT protocol v6.0 (REVIVAL) 02-JUL-2015

Subject ID:			
-------------	--	--	--

			Visit Date: / DD	/	
RVRE	EG-030 Tra	anstho	racic Echocardiogram		III
Baseline B					
Was assessment com	pleted?	<b>O</b> Y	es <b>O</b> No		
<i>If <b>No,</b></i> provide reas	son assessn	nent wa	as not completed:		
Entered by Echo Cor	e Lab				
Date of Transthorac	ic Echocar	diogra	<b>m: / /</b> DD MON YY	/YY	
Date of Assessment l	by Core La	<b>b:</b> DD	_///		
LV Dimension (d)		(mm)	LVOT TVI		(cm)
LV Dimension (s)		(mm)	MV Peak E velocity		(cm/s)
LV fractional shortening		(%)	<b>MV Deceleration Time</b>		(ms)
Septal Thickness (d)		(mm)	MV Peak A velocity		(cm/s)
Posterior Wall Thickness (d)		(mm)	MV E/A		
LA Diameter (max)		(mm)	TDI E' Velocity (lateral)		(cm/s)
LVOT Diameter (s)		(mm)	Mitral E/E'		
LA Area (4-Chamber)		(cm <sup>2</sup> )			
RA Area (4-Chamber)		(cm <sup>2</sup> )			
LV Volumes and EF			LV Short axis FAC:		
End-Diastolic Volume (4-Ch)		(ml)	LV EDA		(cm <sup>2</sup> )
End-Systolic Volume (4-Ch)		(ml)	LV ESA		(cm <sup>2</sup> )
Ejection Fraction (4-Ch)		(%)	LV FAC		(%)
End-Diastolic Volume (2-Ch)		(ml)	LV EPPI		(mmHg
End-Systolic Volume (2-Ch)		(ml)	<u>Blood Pressure</u> (Systolic)	)	(mmHg



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

		RVREG-	• <b>030 T</b>	ranstho	racic Echoc	ardiogram		
Ejectio	on Fraction (2-Ch)			. (%)				
End-Di	iastolic Volume (Av	erage)		(ml)				
End-Sy	stolic Volume (Ave	rage)		(ml)				
Ejectio	on Fraction (Averag	e)		. (%)				
LV Api	cal Velocity (Inflow	v Cannula	):					
(systol	e)	_		(m/sec)	(diastole)			(m/sec)
RV End	l-Diastolic Area			. (cm²)	<b>TR Velocity</b>	(peak)		(m/s)
RV End	l-Systolic Area			(cm²)	<b>RA Pressure</b>	e (estimate)		(mmHg)
RV Fra	ctional Area Chg			(%)	PA Systolic I	Pressure		(mmHg)
TAPSE				(mm)				
Mitral	Regurgitation:		O None	e/trace (	O Mild O Mod	derate <b>O</b> Mo	d-Severe O	Severe
Mitral F	Regurgitation Vena Co	ontracta:		(mm)	Mitral Regurg	itant Jet Area:		(cm²)
Aortic	Regurgitation:		O None	e/trace (	O Mild O Moo	derate OMo	d-Severe O	Severe
Aortic	Valve:	O Clos	ed	<b>O</b> Inter	mitted C	Opening not	rmally	
Tricus	pid Regurgitation:	O None	e/trace	<b>O</b> Mild	<b>O</b> Moderate	O Mod-Severe	e O Severe	
IVCar	This and Alia							
	r (Thin and Akine —				_	_	_	
Basal	Anteroseptum	🗖 Anter	ior 🗌	Lateral	Posterior	Inferior	Inferosep	tum
Mid	Anteroseptum	🗖 Anter	ior 🗌	Lateral	Posterior	Inferior	🗖 Inferosep	tum

□ Anterior □ Lateral □ Inferior

Apical 🗖 Septum



Subject ID:			
-------------	--	--	--

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-030 Transthoracic Echocardiogram**

<u>Feedback:</u> Echo Image Quality: Protocol Compliance:	<ul><li>O Excellent</li><li>O Excellent</li></ul>	O Good O Good	O Unsatisfactory O Unsatisfactory					
Left atrial thrombu	Left atrial thrombus present? O Yes O No							
Left ventricular th	<b>O</b> Yes	<b>O</b> No						
Left ventricular en	<b>n? O</b> Yes	<b>O</b> No						
Calcification of the	<b>O</b> Yes	<b>O</b> No						

#### <u>COMMENTS: (if other significant clinical findings are found, provide below)</u>



Subject ID:				·		
-------------	--	--	--	---	--	--

## **RVREG-031 Subject Follow-Up O** Baseline B **O** Month 6 **O** Month 12 **O** Month 18 **O** Early Termination **O** Month 24 **Was assessment completed? O** Yes **O** No *If No,* provide reason assessment was not completed: **Date of Assessment:** \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ **Resuscitation status: O** Full resuscitation

**O** DNR, DNI or both **O** Unknown

Has resuscitation status changed since the last visit? **O** Yes **O** No 

Enrolled in hospice: O	Yes	<b>O</b> No	<b>O</b> Unknown
<i>If <b>Yes</b>,</i> enrollment date	:	/	/
-	DD	MON	YYYY

Version 2 – REVIVE-IT protocol v6.0 (REVIVAL) 30-0CT-2015

Page 2 of 5

Subject ID: \_\_\_\_\_ - \_\_\_\_

#### **RVREG-031 Subject Follow-Up**

#### Has the subject transplant status been assessed <u>since the last visit</u>?

#### **O** Yes **O** No

If Yes, was the subject on the heart transplant list at the last visit? O Yes O No

*If Yes*, Evaluation outcome:

- **O** Remained on the waiting list
- **O** Removed from the waiting list because of worsening condition (e.g., comorbidities, age, psychosocial)
- **O** Removed from the waiting list because of improved condition (i.e., alive without a transplant)
- **O** Removed from the waiting list (transplanted or died)

*If removed* from the heart transplant waiting list, provide the most recent date of removal:

*If No*, Evaluation outcome:

- **O** Reject (e.g., comorbidities, age, psychosocial)
- **O** Defer (too well)
- **O** Added

*If added* to the heart transplant waiting list, provide the first date of listing since the previous visit:





Page 3 of 5

# Subject ID: \_\_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_

#### **RVREG-031 Subject Follow-Up**

# If the subject has not received a VAD or transplant since the last visit, has the subject been evaluated for VAD? O Yes O No

*If Yes,* provide the date of VAD evaluation:

\_\_\_\_\_/\_\_\_\_\_ *or* **O** Unknown

**Evaluation outcome:** 

- **O** Approved and subject accepted
- **O** Approved but subject refused
- **O** Defer (too well)
- **O** Reject *(select all that apply)* 
  - □ Comorbidities (select all that apply)
    - □ Renal function
    - **D** Lung function
    - □ Liver function
    - □ Technical surgical issues
    - **G** GI bleeding history
    - □ Infection
    - □ Neurological function (*select all that apply*)
      - □ Motor dysfunction
      - □ Cognitive dysfunction
      - **O**ther
  - 🗖 Age
  - **D** Psychological
  - □ Absence of adequate social support
  - □ Other, specify: \_\_\_\_\_



#### Subject ID: \_\_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_

#### **RVREG-031 Subject Follow-Up**

Has the subject had an assessment where the LVEF > 40% since the last visit?

**O** Yes **O** No **O** No LVEF assessment since last visit

#### Were there any hospitalizations since the last visit? **O** Yes **O** No

If Yes, complete Hospitalization eCRF (RVREG-037) for each hospitalization

Did Caregiver complete the Quality of Life questionnaires at this visit? **O** Yes O No

Has the subject been a resident of a rehabilitation facility since the last visit?

**O** Yes O No

> If **Yes**, provide number of days in a rehabilitation facility since the last visit: \_\_\_\_\_

#### Has the subject been a resident of a long-term care facility or nursing home since the last visit? **O** Yes **O** No

If **Yes**, provide number of days in a long-term care facility or nursing home since the last visit: \_\_\_\_\_





Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ \_

#### **RVREG-031 Subject Follow-Up**

<u>The following questions are to be completed at Baseline B and Month 12</u> <u>ONLY:</u>

Ischemic etiology: **O** Yes **O** No

Devices: (select one) O None O ICD O BiV Pacer O BiV Pacer/ICD





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-032 Documentation of Informed Consent - Caregiver**

Baseline B

#### Did the Caregiver sign the Caregiver Informed Consent:

O Yes O No

If Yes, date Caregiver consent was signed:



Subject ID:			
-------------	--	--	--

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-033 Quality of Life Forms Tracking - CAREGIVER**

0	Baseline B
0	Month 12
Ο	Month 24

O Month 6 O Month 18

Date of Quality of Life Assessment:	/	/	/	
	DD	MON	YYYY	

Name of Person administering Quality of Life Assessment:

(please print name clearly)

#### **Quality of Life Forms**:

Instrument	Caregiver Completed?
Caregiver Health History	O Yes O No
(RVREG-034a) Baseline B visit only	<b>O</b> Not applicable
Caregiver Health History	O Yes O No
(RVREG-034b) Follow-up visits only	<b>O</b> Not applicable
Caregiver EQ-5D (RVREG- 035)	O Yes O No
Oberst Caregiver Burden Scale (RVREG- 036)	O Yes O No





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

#### **RVREG-033 Quality of Life Forms Tracking - CAREGIVER**

<u>Select One response if any of the Instruments above were **Not Completed** by the **Caregiver** for the specific time period:</u>

- **O** caregiver states he or she is too sick to complete questionnaires
- **O** coordinator did not approach caregiver because of health status
- **O** caregiver refused, too tired
- **O** caregiver refused, too stressed, anxious, and/or depressed
- **O** caregiver refused, can't concentrate
- **O** caregiver refused, no time/too busy
- **O** caregiver refused, too much trouble/don't want to be bothered/not interested
- **O** caregiver refused, no reason given
- **O** caregiver did not attend a clinic visit
- **O** caregiver did not return mailed questionnaires
- **O** caregiver unable to read English and/or is illiterate
- **O** no time, coordinator too busy to administer questionnaires
- **O** coordinator forgot to administer questionnaires
- **O** subject dropped from study
- **O** subject died
- **O** caregiver dropped from study
- **O** caregiver died
- **O** other reason (describe): \_\_\_\_\_

Method of Administration: (select one) O self-report/clinic O self-report/home O oral/interview

Visit Date: \_\_\_/\_\_\_/\_\_\_\_/\_\_\_\_\_

#### Baseline B

#### **Caregiver Health History**

#### Caregiver's Contact Information:

First Name:		
Last Name:		
Mailing Address:		
City:		
State ( <i>abbreviation</i> ):	Zip:	
Home phone #:	Work phone #:	(XXX-XXX-XXXX)
Relationship to subject: (please select o O Spouse/Domestic Partner O Son/Daughter O Other family member (describe) O Friend O Other (describe)	- 	
Date of Birth:////////		
Gender: O Male O Female		

#### **Ethnicity:**

- **O** Hispanic or Latino
- **O** Non-Hispanic or Non-Latino
- **O** Unknown/Undisclosed

#### **Race:** (please select all that apply)

- American Indian or Alaska Native
- □ Asian
- □ African-American or Black
- □ Hawaiian or Other Pacific Islander
- **D** White
- □ Unknown/Undisclosed
- Other/none of the above , specify: \_\_\_\_\_

#### Select your highest educational level:

- **O** Less than high school
- **O** Some high school
- **O** High school graduate
- O Some college or specialized training
- **O** College or university graduate
- **O** Post graduate training or degree

#### Do you have any children?

O Yes If **Yes**, how many children: \_\_\_\_\_ O No

#### Select your current marital status:

- O SingleO MarriedO Divorced/Separated
- **O** Widowed
- **O** Unknown

Do you live in the same house as the subject for whom you are a Caregiver?

- O Yes
- O No

#### Are you working for income?

O Yes If Yes, select: O part-time or O full-time
O No
O Unknown

**Past Medical History:** Select all that apply *regarding medical conditions that you have now or have had in the past*.

- Heart failure
- Heart attack
- Coronary artery disease
- Other heart disease (describe)
- □ Stroke
- Hypertension (high blood pressure)
- □ Aneurysm
- **D** Diabetes
- Blood disorder
- □ Kidney disease

- Peripheral vascular disease
- □ High cholesterol
- Liver disease
- □ Autoimmune disease
- □ Arthritis
- **D** Lung disease
- **T**hyroid disease
- Nervous system disorder
- **D** Psychiatric disorder
- □ Seizures
- □ Skin or muscle disease

- 🗖 Gout
- **D** Bone disease
- □ Cancer (describe)
- Disease of eyes, ears, nose, throat
- (describe) \_\_\_\_\_
- Disease of stomach, intestines, colon
- (describe) \_\_\_\_\_
- □ Other (describe)

RVREG-034a	Subject ID:		
	Visit Date:/// DD MON YYYY		

Past Surgical History: Number of surgeries: \_\_\_\_\_

Please list <u>all</u> previous surgeries:

Surgery					

Please circle a number below to indicate whether you think that your health will be affected by being a Caregiver for a subject participating in this Registry:

1	2	3	4	5	6	7	8	9	10
Health								Не	alth will remain
will wors	sen							the	same or improve

Thank you!

Method of Administration: (select one) **O** self-report/clinic **O** self-report/home **O** oral/interview

Visit Date: \_\_\_/\_\_\_/\_\_\_/\_\_\_\_ DD MON YYYY

<b>O</b> Month 6	<b>O</b> Month 12	
<b>O</b> Month 18	<b>O</b> Month 24	

#### **Caregiver Health History**

#### Select your highest educational level:

- **O** Less than high school
- **O** Some high school
- **O** High school graduate
- **O** Some college or specialized training
- **O** College or university graduate
- **O** Post graduate training or degree

#### Do you have any children?

**O** Yes *If Yes*, how many children: \_\_\_\_\_ **O** No

#### Select your current marital status:

**O** Single **O** Married **O** Divorced/Separated **O** Widowed **O** Unknown

#### Do you live in the same house as the subject for whom you are a Caregiver?

- **O** Yes
- O No

RVREG-034b	
------------	--

#### Are you working for income?

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

**Past Medical History:** Select <u>all</u> medical conditions that you are experiencing or have experienced since the last time you completed this form:

If Yes, select: **O** part-time **or O** full-time

- Heart failure
- Heart attack
- Coronary artery disease
- Other heart disease (describe)
- □ Stroke
- Hypertension (high blood pressure)
- □ Aneurysm
- Diabetes
- Blood disorder
- □ Kidney disease

- Peripheral vascular
- disease
- □ High cholesterol
- □ Liver disease
- □ Autoimmune disease
- □ Arthritis
- □ Lung disease
- **T**hyroid disease
- Nervous system disorder
- **D** Psychiatric disorder
- □ Seizures
- □ Skin or muscle disease

- GoutBone disease
- □ Cancer (describe)
- Disease of eyes, ears, nose, throat
- (describe) \_\_\_\_\_
- Disease of stomach, intestines, colon
   (describe)
- □ Other (describe)

Subject ID:	 	 	 

Visit Date:	/	/	/
	DD	MON	YYYY

**Surgical History:** Please list <u>all</u> surgeries performed on you since the last time you completed this form.

Number of surgeries since the last time you completed this form: \_\_\_\_\_

Surgery		

Please circle a number below to indicate whether you think that your health will be affected by being a Caregiver for a subject participating in this Registry:

1	2	3	4	5	6	7	8	9	10
Health								Не	alth will remain
will worse	en							the	same or improve

Thank you!

Method of Administration: (select one) O self-report/clinic O self-report/home O oral/interview

Visit Date:		/	_/
	DD	MON	YYYY



O Baseline B O Month 12 O Month 24 **O** Month 6 **O** Month 18

Health Questionnaire For Caregivers

(English version for the US)

© 1990 EuroQol Group. EQ-5D<sup>TM</sup> is a trade mark of the EuroQol Group

Subject ID:			
-------------	--	--	--

By placing a checkmark in one box in each group below, please indicate which statements best describe your own health state today.

#### Mobility

I have no problems in walking about	
I have some problems in walking about	
I am confined to bed	
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	
<b>Usual Activities</b> (e.g. work, study, housework, family or leisure activities)	
I have no problems with performing my usual activities	
I have some problems with performing my usual activities	
I am unable to perform my usual activities	
Pain/Discomfort	
I have no pain or discomfort	
I have moderate pain or discomfort	
I have extreme pain or discomfort	
Anxiety/Depression	
I am not anxious or depressed	
I am moderately anxious or depressed	
I am extremely anxious or depressed	





Best imaginable health state

To help people say how good or bad a health state is, we have drawn a scale (rather like a thermometer) on which the best state you can imagine is marked **100** and the worst state you can imagine is marked **0**.

We would like you to indicate on this scale how good or bad your own health is today, in your opinion. Please do this by drawing a line from the box below to whichever point on the scale indicates how good or bad your health state is today.

> Your own health state today



imaginable health state **O** self-report/home **O** oral/interview

This group of questions is about the tasks and activities that you do as a caregiver for a patient who has moderately advanced heart failure. For each of the following activities, please mark how much time you spend and how difficult each activity is for you to do.

**OBERST CAREGIVING SCALE** 

1. Medical or nursing treatments (giving medications, skin care, dressings, etc.)

**O** Month 6

**O** Month 18

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**2.** Personal care (bathing, toileting, getting dressed, feeding, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

## RVREG-036

**O** self-report/clinic

**O** Baseline B

**O** Month 12

O Month 24

Visit Date: \_\_\_/\_\_\_/\_\_\_/\_\_\_ YYYY

DD MON

Method of Administration: (select one)

RVREG-036	Subject ID:	
	<b>Visit Date:</b> ////	,

**3.** Assistance with walking, getting in and out of bed, exercises, etc.:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**4.** Emotional support, "being there" for the patient:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**5.** Watching for and reporting the patient's symptoms, watching how the patient is doing, monitoring the patient's progress:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

Subject	ID:	 	

**6.** Providing transportation or "company" (driving, riding along with patient, going to appointments, driving patient around for errands, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**7.** Managing finances, bills, and forms related to the patient's illness:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**8.** Additional household tasks for the patient (laundry, cooking, cleaning, yard work, home repairs, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult
n = 1 <b>DEVIVE IT protocol v6 (DEVIVAL)</b>	

Sub	oject ID	):	
Visit Date:	/	/	/
	DD	MON	YYYY

**9.** Additional tasks outside the home for the patient (shopping for food and clothes, going to the bank, running errands, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

RVREG-036

**10.** Structuring/planning activities for the patient (recreation, rest, meals, things for the patient to do, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

**11.** Managing behavior problems (moodiness, irritability, confusion, memory loss, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

RVREG-036	Subject ID:			
	Visit Date:	 DD	/ MON	·/

**12.** Finding and arranging someone to care for the patient while you are away:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	<u> </u>
A small amount	Slightly difficult
None	Not difficult

**13.** Communication (helping the patient with the phone, writing or reading, explaining things, trying to understand what the patient is trying to say, etc.):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

	Subject ID:			
Vis	it Date: _	/_ DD	MON	/ <u>YYYY</u>

**14.** Coordinating, arranging, and managing services and resources for the patient (scheduling appointments, arranging transportation, locating equipment and services, and finding outside help):

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

RVREG-036

**15.** Seeking information and talking with doctors, nurses, and other professional health care workers about the patient's condition and treatment plans:

A great amount	Extremely difficult
A large amount	Very difficult
A moderate amount	Moderately difficult
A small amount	Slightly difficult
None	Not difficult

Oberst Caregiving Burden Scale (OCBS), Indiana University School of Nursing, 1989





Visit Date:	,	/	/
	DD	MON	YYYY

**RVREG-037 Hospitalization** 

Hospitalization

NOTE: Complete this form at the time of the subject's discharge to ensure the most accurate reason(s) for hospital admission.

NOTE: If subject died during this hospitalization, provide death date as hospital discharge date and complete Death eCRF, RVREG-041.

Number of Intensive Care Unit days during this hospital admission:

What was the <u>one main reason</u> for hospitalization:

**O** Cardiovascular

**O** Cardiac

**O** Heart failure related

Was this a **planned** admission for a heart failure procedure or device (RHC, ICD, CRT, or CRT-D, but not transplant or VAD)? **O** Yes **O** No

**O** ST elevation myocardial infarction

**O** NSTEMI/acute coronary syndrome

**O** Planned coronary angiography or intervention (PCI or CABG)

**O** Arrhythmic event



#### **RVREG-037 Hospitalization**

**O** Planned, non-heart failure-related, arrhythmia treatment (e.g.,

Afib/flutter/VT/AV node ablation, single or dual chamber

pacemaker, elective cardioversion)

**O** Syncope (without identified arrhythmia as the cause)

- O Complication of cardiac medication or procedure
- O Other Cardiac, specify: \_\_\_\_\_
- **O** Neurovascular

**O** Stroke



**O** TIA

O Venous thromboembolic disease

**O** Pulmonary embolism

**O** DVT

- **O** Other vascular
  - **O** Aortic aneurysm
  - **O** Aortic dissection
  - **O** Non-CNS arterial embolic disease
  - **O** Other peripheral arterial disease
  - **O** Other peripheral venous disease

Subject ID:		
-------------	--	--



Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_\_\_

#### **RVREG-037 Hospitalization**

- $\mathbf{O}$  Noncardiovascular
  - **O** Renal
  - **O** Electrolyte disturbance
  - **O** Pulmonary
    - **O** Pneumonia
    - **O** Other pulmonary
  - **O** Hepatic
  - **O** Major bleeding
  - **O** GI disorder (other than bleeding)
  - **O** Infection (other than pneumonia)
  - **O** Fever treated with antibiotics without known cause
  - **O** Psychiatric episode
  - **O** Neurological event (excluding stroke or TIA)
  - **O** Trauma or accident
  - **O** Noncardiac elective surgery (e.g., joint replacement, GU or GYN surgery)
  - **O** Other




Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

**RVREG-037 Hospitalization** 

## What interventions were performed during this hospitalization? *(check all that apply)*

Diagnostic (*check all that apply*)

□ Right Heart Catheterization

□ Left Heart Catheterization/Coronary Angiography

□ Therapeutic (*check all that apply*)

□ Heart Failure (*check all that apply*)

Inotropes

First date of inotrope use during this hospitalization:

Was the subject on continuous inotropes at the time of the first of the following events: discharge, mechanical circulatory support, transplant, or death? **O** Yes **O** No

Was the subject inotrope-dependent at the time of the first of the following events: discharge, mechanical circulatory support, transplant, or death? **O** Yes **O** No

Temporary MCS (provide ALL temporary MCS for this hospitalization)

	Temporary MCS Type	Implant Date DD/MON/YYYY
#1	O IABP O temporary LVAD O temporary RVAD O ECMO	//



**RVREG-037 Hospitalization** 

#2	O IABP O temporary LVAD O temporary RVAD O ECMO	//
#3	O IABP O temporary LVAD O temporary RVAD O ECMO	//
#4	O IABP O temporary LVAD O temporary RVAD O ECMO	//
#5	O IABP O temporary LVAD O temporary RVAD O ECMO	//

Durable ventricular assist device: (*check all that apply*)



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ \_\_



#### **RVREG-037 Hospitalization**

Listing status at heart transplant:

- **O** 1A **O** 1B
- **O** 2

□ Arrhythmia (*check all that apply*)

- D Pacemaker (single or dual chamber)
- □ CRT (biventricular pacemaker)
- CRT-D (biventricular pacemaker with ICD)
- ICD alone
- □ Atrial arrhythmia or AV node ablation
- □ Ventricular arrhythmia ablation
- □ Cardioversion/Defibrillation
  - **O** Elective (hemodynamically stable)
  - **O** Nonelective (nonhemodynamically stable)
- Coronary (*check all that apply*)
  - □ Percutaneous Coronary Intervention (PCI)
  - **CABG**
- □ Valvular (*check all that apply*)
  - □ Aortic valve surgery (repair or replacement)
  - □ Mitral valve surgery (repair or replacement)
  - □ Tricuspid valve surgery (repair or replacement)
  - □ Percutaneous mitral valve procedure
  - **T**AVR

Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_



Visit Date:	,	/	/
	DD	MON	YYYY

#### **RVREG-037 Hospitalization**

□ Other (*check all that apply*)

- □ IV antibiotics
- □ Blood transfusion
- □ Endoscopy (upper or lower or capsule)
- □ Hemodialysis
- □ Ultrafiltration/Aquapheresis only (no dialysis)
- □ Intubation/mechanical ventilation
- □ Other surgical or percutaneous procedures or interventions (*provide below*)

2 3 4	1	
4		
4	3	
Э.		

Subject ID: \_\_\_ - \_\_ - \_\_\_ -



Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

**RVREG-038 Adverse Event - Subject** 

Adverse Ev	rent
------------	------

### Note: This form is ONLY completed for Adverse Events resulting from <u>research-related procedures</u> incurred during the course of the Registry.

Adverse Event Term: \_\_\_\_\_

Major Organ System involved with Adverse Event: (select one)

- **O** Nervous
- **O** Respiratory
- **O** Cardiovascular
- **O** Digestive
- **O** Endocrine
- **O** Reproductive
- **O** Renal
- **O** Urologic
- **O** Hematological
- **O** Orthopedic
- **O** Musculoskeletal
- **O** Immune/Lymphatic
- **O** Integumentary
- **O** Psychiatric
- O Other, *specify*\_\_\_\_\_

Date of Onset: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

Did the Adverse Event occur during or after any study-related procedure or

test? (e.g., cardiopulmonary exercise test, 6 minute walk test, echocardiogram)O Yes O No

#### *If Yes,* relationship to procedure or test:

**O** Probable **O** Possible **O** Unlikely

Version 1 – REVIVE-IT protocol v6.0 (REVIVAL) 02-JUL-2015

Subject ID:	
-------------	--



**RVREG-038 Adverse Event - Subject** 

#### Location of the subject at time of onset of the Adverse Event:

- **O** Outpatient facility
- **O** Hospital
- **O** Home
- **O** Nursing home or rehabilitation center
- **O** Other, specify: \_\_\_\_\_

Is this a Serious AE? O Yes O No

#### If a Serious Adverse Event: (check all that apply)

- 🗖 Death
- □ Life-threatening
- □ Hospitalization
- □ Prolongation of hospitalization
- □ Resulted in significant or persistent disability
- □ Resulted in congenital anomaly/birth defect
- □ Other Serious (important medical events)

Expectedness:

**O** Expected

**O** Unexpected

#### **Event Outcome:**

**O** Ongoing

**O** Resolved

**O** Resolved with sequelae

Date: \_\_\_\_ /\_\_\_ /\_\_ \_\_\_ \_\_\_

**O** Death [complete Death eCRF (RVREG-041) **and** Final Status – Subject eCRF (RVREG-042)]

Version 1 – REVIVE-IT protocol v6.0 (REVIVAL) 02-JUL-2015



Subject ID: \_\_\_\_\_ - \_\_\_\_ - \_\_\_\_\_

		Visit Date:	/_ DD	/_ /_	
RVRE	EG-038 Adv	erse Event - Sul	oject		
<i>If <b>Death,</b></i> did th	his Adverse	Event contribute	e to dea	ath?	
<b>O</b> Yes	<b>O</b> No	<b>O</b> Unknown			
Did this Adverse Event re surgical intervention?		iagnostic or the O No	rapeut	tic proce	dure or
<i>If <b>Yes,</b></i> provide proce	edure or sur	gical interventio	n name	e(s):	
Brief Narrative of Event:					

Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_ \_



Visit Date: _	,	/	/
	DD	MON	YYYY

**RVREG-039 Adverse Event - Caregiver** 

Adverse Eve	ent
-------------	-----

### Note: This form is ONLY completed for Adverse Events resulting from <u>research-related procedures</u> incurred during the course of the Registry.

#### Adverse Event Term: \_\_\_\_\_

Major Organ System involved with Adverse Event: (select one)

- **O** Nervous
- **O** Respiratory
- **O** Cardiovascular
- **O** Digestive
- **O** Endocrine
- **O** Reproductive
- **O** Renal
- **O** Urologic
- **O** Hematological
- **O** Orthopedic
- **O** Musculoskeletal
- **O** Immune/Lymphatic
- **O** Integumentary
- **O** Psychiatric
- O Other, *specify*\_\_\_\_\_

Date of Onset: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

## Did the Caregiver Adverse Event occur during or after any study-related questionnaire was completed? (e.g., psychological distress)

O Yes O No

*If Yes,* relationship to study assessment: **O** Probable **O** Possible **O** Unlikely

Subject I	D:		•		
-----------	----	--	---	--	--



Visit Date:	/	/	/
	DD	MON	YYYY

**RVREG-039 Adverse Event - Caregiver** 

Is this a Serious AE? O Yes O No

If a Serious Adverse Event: (check all that apply)

- Death
- □ Life-threatening
- $\hfill\square$  Hospitalization
- □ Prolongation of Hospitalization
- □ Resulted in significant or persistent disability
- □ Resulted in congenital anomaly/birth defect
- □ Other Serious (important medical events)

**Expectedness: O** Expected **O** Unexpected

**Event Outcome:** 

**O** Ongoing

**O** Resolved

**O** Resolved with sequelae

**O** Death (complete Final Status – Caregiver eCRF (RVREG-043)

If Death, did this Adverse Event contribute to death? O Yes O No O Unknown

**O** Unknown

<b>RE<b>(</b><i>?</i>IVAL</b>	
-------------------------------	--

Subject ID:			
-------------	--	--	--

I UL 🔨 I V/NL	Visit Date: _	/_	/_	
RVREG-039 Adverse			MON	
Did this Adverse Event result in a diag surgical intervention? O Yes C	•	rapeut	tic proce	dure or
If <b>Yes,</b> provide procedure or surgic	cal interventio	n name	e(s):	
Continue participation in the Registry	? O Yes	<b>O</b> N	0	
Brief Narrative of Event:				

#### Subject ID: \_\_\_\_\_- - \_\_\_\_\_

## FC 91\/AI D

Date Deviation Occurred:/		Visit Date: / / / / /	
Date Deviation Occurred:/	<b>RVREG-040 Protocol Deviation</b>		
Date Deviation Reported:/	Protocol Deviation		
DD MON YYYY (either date called in or date entered in eCRF) Deviation reported by:	Date Deviation Occurred: / DD MON	_/	
<pre>(please print name clearly) Peviation Details: (select one)     O Study visit schedule deviation     O Confidentiality breach     O Protocol procedure deviation (select all that apply)</pre>	DD MON	YYYY	
<ul> <li>Deviation Details: (select one)</li> <li>O Study visit schedule deviation</li> <li>O Confidentiality breach</li> <li>O Protocol procedure deviation (select all that apply)</li> <li>6 minute walk test not done</li> <li>Gait speed test not done</li> <li>Blood draw not done</li> <li>Quality of Life questionnaire not completed</li> <li>ECG not done</li> <li>Handgrip strength test not done</li> <li>CPX test not done</li> <li>Echocardiogram not done</li> <li>O Informed consent deviation</li> <li>O Subject was enrolled into study but was ineligible</li> <li>O Other; specify:</li></ul>	Deviation reported by:		
<ul> <li>O Study visit schedule deviation</li> <li>O Confidentiality breach</li> <li>O Protocol procedure deviation (<i>select all that apply</i>) <ul> <li>6 minute walk test not done</li> <li>Gait speed test not done</li> <li>Blood draw not done</li> <li>Quality of Life questionnaire not completed</li> <li>ECG not done</li> <li>Handgrip strength test not done</li> <li>CPX test not done</li> <li>Echocardiogram not done</li> </ul> </li> <li>O Informed consent deviation</li> <li>O Subject was enrolled into study but was ineligible</li> <li>O Other; specify:</li></ul>	(plea	se print name clearly)	
Passon for Deviation, (coloct primary reason for deviation)	<ul> <li>O Confidentiality breach</li> <li>O Protocol procedure deviation (<i>selec</i></li> <li>6 minute walk test not done</li> <li>Gait speed test not done</li> <li>Blood draw not done</li> <li>Quality of Life questionnaire n</li> <li>ECG not done</li> <li>Handgrip strength test not done</li> <li>CPX test not done</li> <li>Echocardiogram not done</li> <li>O Informed consent deviation</li> <li>O Subject was enrolled into study but</li> </ul>	not completed ne was ineligible	
<b>Reason for Deviation:</b> (select primary reason for deviation)	Reason for Deviation: (select primary re	eason for deviation)	

- **O** Subject missed appointment (*specify visit*)
- **O** Visit completed outside protocol-specified window *(specify visit)*
- **O** Subject refused
- **O** Clinical site error
- **O** Adverse Event

Subject ID:	
-------------	--



Visit Date:	/	/
DD	MON	YYYY

**RVREG-040** Protocol Deviation

<b>O</b> Other, specify	
-------------------------	--

Specify visit if missed appointment or completed outside protocolspecified window: *(select one)* 

- **O** Baseline A
- **O** Baseline B
- **O** Month 6
- $\mathbf{O}$  Month 12
- **O** Month 18
- **O** Month 24

#### Was the IRB notified of the Protocol Deviation:

O Yes O No

DD MON

*If No*, specify reason:

- **O** Not required per IRB policy
- **O** To be reported at annual continuing review

#### Provide a short narrative of the protocol deviation:

#### **RVREG-041 Death**

#### Death

Date of Death: \_\_\_\_ /\_\_\_ /\_\_ /\_\_ \_\_\_ \_\_

#### DNR or DNI or both in place at time of death?

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

#### Enrolled in hospice at time of death?

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

#### Location of death:

- **O** Hospital
- **O** Out of hospital
- **O** Unknown

#### **Expectedness of death:**

- **O** Expected
- **O** Unexpected
- **O** Unknown

**What was the Primary Cause of death**: The primary cause of death refers to the disease or injury that **initiated** the train of terminal events leading directly to death. Select **one** primary cause of death from the list below:

#### O Cardiac

- O Heart Failure O Myocardial Infarction O Sudden Death
- O Other, specify: \_\_\_\_\_

#### **RVREG-041 Death**

- **O** Cerebrovascular
- **O** Other Vascular
- **O** Cancer
- **O** Infection
- **O** Kidney Failure
- **O** Liver Failure
- **O** Pulmonary Embolism
- **O** Respiratory Failure
- O Other, specify: \_\_\_\_\_



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-042 Final Status - Subject**

**Final Status** 

Last day in study: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_



If No, please indicate *primary* reason for discontinuation:

**O** Subject withdrew consent, no Month 24 follow-up

**O** Investigator withdrawal, no Month 24 follow-up

**O** Adverse Event

(If Adverse Event was **related to a research procedure**, complete Adverse Event - Subject eCRF, RVREG-038)



- **O** Subject received a heart transplant
- **O** Subject received a durable implantable VAD
- **O** Death (*complete Death eCRF, RVREG-041*)
- **O** Study termination
- O Other, specify: \_\_\_\_\_



Subject ID: \_\_\_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-043 Final Status - Caregiver**

**Final Status** 

Last day in study: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_\_\_

Did Caregiver complete the Registry through Month 24:	<b>O</b> Yes	<b>O</b> No
---	--------------	-------------

If No, please indicate *primary* reason for not completing:

**O** Caregiver withdrew consent

**O** Subject early termination

**O** Caregiver death

**O** Study termination

O Other, specify \_\_\_\_\_

Comments: \_\_\_\_\_\_





Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-044 Subject Visit Termination (withdrawal)**

Early Termination

**NOTE:** Complete this form ONLY if subject withdrew consent, subject was withdrawn by Investigator, or if a procedure-related Adverse Event was the reason for early termination. An Adverse Event would qualify for either of the two categories listed below.

Effective date of visit termination: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

**Reason for visit termination:** (select one)

**O** Subject withdrew consent

- **O** Subject is willing to provide outcome data at Month 24 [complete Subject Follow-Up eCRF (RVREG-031) at the time of the visit termination; also complete Hospitalization eCRF (RVREG-037) and Adverse Event – Subject eCRF (RVREG-038) if applicable]
- **O** Subject is NOT willing to provide outcome data at Month 24 (complete Final Status Subject eCRF (RVREG-042)

**O** Investigator withdrawal

- **O** Subject is willing to provide outcome data at Month 24 [complete Subject Follow-Up eCRF (RVREG-031) at the time of the visit termination; also complete Hospitalization eCRF (RVREG-037) and Adverse Event – Subject eCRF (RVREG-038) if applicable]
- **O** Subject is NOT willing to provide outcome data at Month 24 (complete Final Status Subject eCRF (RVREG-042)

**O** Other, specify: \_\_\_\_\_



Subject ID: \_\_\_\_ - \_\_\_ -

Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ \_\_\_\_

#### **RVREG-045 Final Status for Withdrawn Subject**

#### **Final Status**

This form is <u>ONLY</u> to be completed for subjects who have withdrawn from the study <u>AND</u> who have agreed to provide study outcomes data at Month 24. <u>This data should reflect subject status exactly 24 months (730 days)</u> from the informed consent date. However, just as for patients who did not withdraw from the study, enter only the FIRST event (transplant, LVAD, or death). Events occurring after the first event should not be recorded on this form.

Was outcomes data obtained:	<b>O</b> Yes	<b>O</b> No	
<i>lf <b>No,</b></i> provide reason:			
<b>Date of contact with subject:</b>	/ DD MON	_/	or <b>O</b> Not applicable
Since date of subject withdraw (select only one)	al, which c	of the following	ng occurred <u>FIRST</u> :

**O** Subject received a heart transplant

**O** Subject received a durable implantable VAD

Version 1 – REVIVE-IT protocol v7.0 (REVIVAL) 14-FEB-2018



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

#### **RVREG-045 Final Status for Withdrawn Subject**

- A Arrhythmia. This modifier can modify any profile. Recurrent ventricular tachyarrhythmias that have recently contributed substantially to the overall clinical course. This includes frequent shocks from ICD or requirement for external defibrillator, usually more than twice weekly.
- TCS –Temporary Circulatory Support. This modifier can modify only patients who are confined to the hospital, Patient Profiles 1, 2, and 3 (a patient who is listed as Patient Profile 3 stable on inotropes who has been at home until elective admission for implantable VAD cannot have a TCS modifier.) Support includes IABP, ECMO, TandemHeart, Levitronix, BVS 5000 or AB5000, Impella.





Visit Date: \_\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ /\_\_\_ \_\_\_ \_\_\_

#### **RVREG-045 Final Status for Withdrawn Subject**

 FF - Frequent Flyer. This modifier is designed for Patient Profiles 4, 5, and 6. This modifier can modify Patient Profile 3 if usually at home (frequent admission would require escalation from Patient Profile 7 to Patient Profile 6 or worse). Frequent Flyer is designated for a patient requiring frequent emergency visits or hospitalizations for intravenous diuretics, ultrafiltration, or brief inotropic therapy. Frequent would generally be at least two emergency visits/admissions in the past 3 months or 3 times in the past 6 months. NOTE: if admissions are triggered by tachyarrhythmias or ICD shocks then the modifier to be applied to would be A, not FF.

**O** Death

Was the subject receiving continuous IV inotropes at the time of death: **O** Yes **O** No **O** Unknown

**O** None of the above

## If none of the above was met, complete the following at Month 24 (730 *days from informed consent date*):

**O** Subject is alive

#### Is the subject receiving continuous IV inotropes: **O** Yes **O** No **O** Unknown

 ${\boldsymbol O}\$  Unable to obtain information

Version 1 – REVIVE-IT protocol v7.0 (REVIVAL) 14-FEB-2018



Subject ID: \_\_\_\_ - \_\_\_ - \_\_\_\_

Visit Date: \_\_\_\_ /\_\_\_\_ /\_\_\_ /\_\_\_ \_\_\_

#### **RVREG-045 Final Status for Withdrawn Subject**

Explain: \_\_\_\_\_





#### **RVREG-046** Listing at VAD

VAD Listing

NOTE: This form should ONLY be completed for subjects who receive a durable VAD implant.

Was this subject listed for a heart transplant at the time of their durable VAD implant?

**O** Yes **O** No