



A. DEMOGRAPHICS

Last Name ²⁰⁰⁰ :	First Name ²⁰¹⁰ :	Middle Name ²⁰²⁰ :
SSN ²⁰³⁰ : <input type="checkbox"/> SSN N/A ²⁰³¹	Patient ID ²⁰⁴⁰ :	Other ID ²⁰⁴⁵ :
Birth Date ²⁰⁵⁰ : mm / dd / yyyy	Sex ²⁰⁶⁰ : O Male O Female	Patient Zip Code ³⁰⁰⁵ : <input type="checkbox"/> Zip Code N/A ³⁰⁰⁶
Race: (check all that apply) <input type="checkbox"/> White ²⁰⁷⁰ <input type="checkbox"/> Black/African American ²⁰⁷¹ <input type="checkbox"/> American Indian/Alaskan Native ²⁰⁷³ <input type="checkbox"/> Asian ²⁰⁷² → If Yes, <input type="checkbox"/> Asian Indian ²⁰⁸⁰ <input type="checkbox"/> Chinese ²⁰⁸¹ <input type="checkbox"/> Filipino ²⁰⁸² <input type="checkbox"/> Japanese ²⁰⁸³ <input type="checkbox"/> Korean ²⁰⁸⁴ <input type="checkbox"/> Vietnamese ²⁰⁸⁵ <input type="checkbox"/> Other ²⁰⁸⁶ <input type="checkbox"/> Native Hawaiian/Pacific Islander ²⁰⁷⁴ → If Yes, <input type="checkbox"/> Native Hawaiian ²⁰⁹⁰ <input type="checkbox"/> Guamanian or Chamorro ²⁰⁹¹ <input type="checkbox"/> Samoan ²⁰⁹² <input type="checkbox"/> Other Island ²⁰⁹³		
Hispanic or Latino Ethnicity ²⁰⁷⁶ : O No O Yes → If Yes, Ethnicity Type: (check all that apply) <input type="checkbox"/> Mexican, Mexican-American, Chicano ²¹⁰⁰ <input type="checkbox"/> Puerto Rican ²¹⁰¹ <input type="checkbox"/> Cuban ²¹⁰² <input type="checkbox"/> Other Hispanic, Latino or Spanish Origin ²¹⁰³		

B. EPISODE OF CARE

Arrival Date ³⁰⁰⁰ : mm / dd / yyyy	
Insurance Payors: (check all that apply) <input type="checkbox"/> Private Health Insurance ³⁰²⁰ <input type="checkbox"/> State-Specific Plan (non-Medicaid) ³⁰²⁴	<input type="checkbox"/> Medicare ³⁰²¹ <input type="checkbox"/> Medicaid ³⁰²² <input type="checkbox"/> Military Health Care ³⁰²³ <input type="checkbox"/> Indian Health Service ³⁰²⁵ <input type="checkbox"/> Non-US Insurance ³⁰²⁶ <input type="checkbox"/> None ³⁰²⁷
HIC ³⁰³⁰ :	Premature Birth ³⁰⁶⁵ : (if < 1yr old) O No O Yes
Fundamental Diagnosis Code ³⁰³¹ : _____	Birth Weight ³⁰⁷⁰ : (if < 30 days old) _____ kg
Prior Cardiac Catheterization ³⁰⁴⁵ : O No O Yes → If Yes, Number of Prior Catheterizations ³⁰⁵⁰ : _____ → If Yes, Date of Last Catheterization ³⁰⁵⁵ : mm / dd / yyyy → If Yes, Most Recent Procedure(s) ³⁰⁶⁰ : _____, _____, _____	Gestational Age ³⁰⁷⁵ : (if < 1yr old) _____ weeks Prior Cardiac Surgery ³⁰⁸⁰ : O No O Yes → If Yes, Number of Prior Cardiac Surgeries ³⁰⁸⁵ : _____ → If Yes, Date of Last Cardiac Surgery ³⁰⁹⁰ : mm / dd / yyyy → If Yes, Most Recent Cardiac Surgery(s) ³⁰⁹⁵ : _____, _____, _____
Research Study ³⁰⁹⁶ : O No O Yes → If Yes, Study Name ³⁰⁹⁷ , Patient ID ³⁰⁹⁸ : _____, _____	<input type="checkbox"/> Patient Restriction ³⁰⁹⁹

GENETIC/CONGENITAL CONDITIONS (DIAGNOSED PRIOR TO OR DURING THIS EPISODE OF CARE)

22q11Deletion (DiGeorge Syndrome) ³¹⁰⁰ : O No O Yes	Noonan Syndrome ³¹³⁰ : O No O Yes
Alagille Syndrome ³¹⁰⁵ : O No O Yes	Rubella ³¹³⁵ : O No O Yes
Congenital Diaphragmatic Hernia ³¹¹⁰ : O No O Yes	Trisomy-13 ³¹⁴⁰ : O No O Yes
Down Syndrome ³¹¹⁵ : O No O Yes	Trisomy-18 ³¹⁴⁵ : O No O Yes
Heterotaxy ³¹²⁰ : O No O Yes	Turner Syndrome ³¹⁵⁰ : O No O Yes
Marfan Syndrome ³¹²⁵ : O No O Yes	Williams-Beuren Syndrome ³¹⁵⁵ : O No O Yes

HISTORY & RISK FACTORS

Arrhythmia ³¹⁶⁰ : O No O Yes		
→ If Yes, Arrhythmia History ³¹⁶¹ : (check all that apply)		
<input type="checkbox"/> Atrial Fibrillation	<input type="checkbox"/> Atrial premature complexes	<input type="checkbox"/> AV node re-entry
<input type="checkbox"/> AV conduction disturbance	<input type="checkbox"/> AV re-entrant tachycardia	<input type="checkbox"/> Focal atrial tachycardia
<input type="checkbox"/> Inappropriate sinus tachycardia	<input type="checkbox"/> Isolated ventricular pre-excitation	<input type="checkbox"/> Junctional tachycardia
<input type="checkbox"/> Macro re-entrant atrial tachycardia	<input type="checkbox"/> Permanent junctional reciprocating tachycardia	<input type="checkbox"/> Premature ventricular complexes
<input type="checkbox"/> Supraventricular tachycardia	<input type="checkbox"/> Sinus node dysfunction	<input type="checkbox"/> Ventricular tachycardia
<input type="checkbox"/> Wolff-Parkinson-White syndrome	<input type="checkbox"/> Wide complex tachycardia	



B. EPISODE OF CARE (CONT.)

HISTORY & RISK FACTORS

Cardiomyopathy³¹⁷⁰:☐ No ☐ Yes→ If Yes, Cardiomyopathy History³¹⁷⁵:☐ Arrhythmogenic right ventricular cardiomyopathy☐ Dilated cardiomyopathy (DCM)☐ Hypertrophic cardiomyopathy (HCM)☐ Noncompaction of the ventricular myocardium☐ Restrictive cardiomyopathy (RCM)☐ Tachycardia-induced cardiomyopathyChronic Lung Disease³²⁰⁰:☐ No ☐ YesHeart Transplant³²²⁴:☐ No ☐ YesCoagulation Disorder³²⁰⁵:☐ No ☐ YesHepatic Disease³²²⁵:☐ No ☐ Yes→ If Yes, Hypercoagulable State³²¹⁰:☐ No ☐ YesIschemic Heart Disease³²²⁶:☐ No ☐ Yes→ If Yes, Hypocoagulable State³²¹⁵:☐ No ☐ YesKawasaki Disease³²²⁷:☐ No ☐ YesDiabetes Mellitus³²²⁰:☐ No ☐ YesRenal Insufficiency³²³⁰:☐ No ☐ YesEndocarditis³²²¹:☐ No ☐ YesRheumatic Heart Disease³²³¹:☐ No ☐ YesHeart Failure³²²²: (w/in 1 month)☐ No ☐ YesSeizure Disorder³²³⁵:☐ No ☐ Yes→ If Yes, NYHA Class³²²³:☐ Class I ☐ Class II ☐ Class III ☐ Class IVSickle Cell Anemia³²⁴⁰:☐ No ☐ YesStroke³²⁵⁰: (prior to arrival)☐ No ☐ Yes

C. CATH LAB VISIT (COMPLETE FOR EACH CATH LAB VISIT)

CLINICAL EVALUATION LEADING TO THE PROCEDURE

Pre-Procedure Diagnosis Code(s)⁴⁰⁰⁰:Height⁴⁰⁰⁵:

cm

Weight⁴⁰¹⁰:

kg

Pre-Procedure Labs:

Hemoglobin⁴⁰¹⁵:

g/dL

☐ Not Drawn⁴⁰¹⁶Creatinine⁴⁰²⁰:

mg/mL

☐ Not Drawn⁴⁰²¹O₂ Sat⁴⁰²⁵:

%

Pre-Procedure Conditions:

Single Ventricle⁴⁰²⁶:☐ No ☐ YesNecrotizing Enterocolitis⁴⁰³⁰: (if < 30 days old)☐ No ☐ YesSepsis⁴⁰³⁵:☐ No ☐ YesIf Sex²⁰⁶⁰ is Female, Pregnant⁴⁰⁴⁰:☐ No ☐ YesPre-Procedure Medications⁴⁰⁴¹:☐ No ☐ Yes

→ If Yes, (check all that apply)

☐ Antiarrhythmics⁴⁰⁴⁵☐ Anticoagulants⁴⁰⁴⁶☐ Antihypertensives⁴⁰⁴⁷☐ Antiplatelets⁴⁰⁴⁸☐ Beta Blockers⁴⁰⁴⁹☐ Diuretics⁴⁰⁵⁰☐ Prostaglandins⁴⁰⁵¹☐ Vasodilators⁴⁰⁵³

Pre-Procedure Rhythms:

(check all that apply)

☐ Sinus Rhythm⁴⁰⁶⁰☐ Atrial Ectopic Tachycardia (AET)⁴⁰⁶¹☐ Supraventricular Tachycardia (SVT)⁴⁰⁶²☐ AFib/Flutter⁴⁰⁶³☐ Junctional Rhythm⁴⁰⁶⁴☐ Idioventricular Rhythm⁴⁰⁶⁵☐ Second Degree AV Block⁴⁰⁶⁶☐ Third Degree AV Block⁴⁰⁶⁷☐ Paced⁴⁰⁶⁸

D. PROCEDURE INFORMATION (COMPLETE FOR EACH CATH LAB VISIT)

Procedure(s) Performed:

(check all that apply)

☐ Diagnostic Cath⁵⁰⁰⁰☐ ASD Closure⁵⁰⁰¹☐ Coarctation Procedure⁵⁰⁰²☐ Aortic Valvuloplasty⁵⁰⁰³☐ Pulmonary Valvuloplasty⁵⁰⁰⁴☐ PDA Closure⁵⁰⁰⁵☐ Proximal PA Stenting⁵⁰⁰⁶☐ Electrophysiology Cath⁵⁰⁰⁷☐ Electrophysiology Ablation Procedure⁵⁰⁰⁸☐ Transcatheter Pulmonary Valve Replacement (TPVR)⁵⁰⁰⁹Specific Procedure(s)⁵⁰¹⁰:Hospital Status⁵⁰¹⁵:☐ Outpatient☐ Admit to inpatient floor☐ Admit to inpatient ICU☐ 23 Hour obs outpatient☐ Return to inpatient floor☐ Return to inpatient ICUProcedure Status⁵⁰²⁰:☐ Elective☐ Urgent☐ Emergency☐ Salvage



D. PROCEDURE INFORMATION (COMPLETE FOR EACH CATH LAB VISIT) (CONT.)

Operator's Name^{5030, 5031, 5032}:Operator's NPI⁵⁰³⁵:Trainee participating in the Procedure⁵⁰³⁶: ☐ O No ☐ O YesSecond Attending participating in the Procedure⁵⁰³⁷: ☐ O No ☐ O YesProcedure Start Date/Time^{5047, 5048}: mm / dd / yyyy HH:MMProcedure End Date/Time^{5057, 5058}: mm / dd / yyyy HH:MM
(break scrub at end of case)Anesthesiologist Present⁵⁰⁶⁰: (start of case) ☐ O No ☐ O Yes→If No, Anesthesiologist Called In⁵⁰⁶⁵: (due to escalation of care) ☐ O No ☐ O YesSedation Method⁵⁰⁷⁰: ☐ O General Anesthesia ☐ O Epidural ☐ O Caudal ☐ O IV ☐ O IM ☐ O Oral/Intranasal ☐ O NoneAirway Management⁵⁰⁷¹: ☐ O No ☐ O Yes→If Yes,
(check all that apply)☐ Laryngeal mask airway⁵⁰⁷⁶☐ Tracheostomy⁵⁰⁷⁷☐ Bag mask ventilation⁵⁰⁷⁸☐ CPAP⁵⁰⁷⁹☐ Elective intubation⁵⁰⁸⁰☐ Previously intubated⁵⁰⁸¹Access Location⁵⁰⁸⁵: ☐ O Venous ☐ O Arterial ☐ O Both→If Venous or Both, Venous Access Site⁵⁰⁹⁰: (check location for largest sheath used)☐ O Left brachial ☐ O Left femoral ☐ O Left jugular ☐ O Left subclavian ☐ O Hepatic ☐ O Umbilical☐ O Right brachial ☐ O Right femoral ☐ O Right jugular ☐ O Right subclavian ☐ O Transthoracic ☐ O Other→If Venous or Both, Venous Sheath Size⁵⁰⁹⁵: _____ French (largest)→If Venous or Both, Venous Closure Method(s)⁵¹⁰⁰:☐ Method Not Documented⁵¹⁰⁵

1	2	3

→If Arterial or Both, Arterial Access Site⁵¹¹⁰: (check location for largest sheath used)☐ O Left axillary ☐ O Left carotid ☐ O Left femoral ☐ O Left radial ☐ O Umbilical☐ O Right axillary ☐ O Right carotid ☐ O Right femoral ☐ O Right radial ☐ O Other→If Arterial or Both, Arterial Sheath Size⁵¹¹⁵: _____ French (largest)→If Arterial or Both, Arterial Closure Method(s)⁵¹²⁰:☐ Method Not Documented⁵¹²⁵

1	2	3

Systemic Heparinization⁵¹⁴⁰: ☐ O No ☐ O Yes→If Yes, ACT Monitored⁵¹⁴⁵: ☐ O No ☐ O Yes→If Yes, ACT Peak⁵¹⁵⁰: _____ secsInotrope⁵¹⁶⁰: ☐ O No ☐ O Yes→If Yes, Inotrope Use⁵¹⁶⁵:☐ O On before case, on at the end☐ O On before case, off at the end☐ O Started during the case, on at the end☐ O Started during case, off at the end☐ O Used for measurement onlyECMO Use⁵¹⁷⁰: ☐ O Not used ☐ O In place at start of procedure ☐ O Electively initiated during procedureLVAD Use⁵¹⁷⁵: ☐ O Not used ☐ O In place at start of procedure ☐ O Electively initiated during procedureIABP Use⁵¹⁸⁰: ☐ O Not used ☐ O In place at start of procedure ☐ O Electively initiated during procedure

FLUOROSCOPY

X-Ray Imaging⁵⁵⁰⁰: ☐ O Single Plane ☐ O BiplaneContrast Volume⁵¹³⁵: _____ mL

CODE ALL

AVAILABLE

MEASUREMENTS:

Fluoro Time⁵¹³⁰: _____ minutes→ Cumulative Air Kerma^{5515, 5520}: _____ O mGy ☐ O GyDose Area Product^{5525, 5530}: _____ O Gy-cm² ☐ O dGy-cm² ☐ O cGy-cm² ☐ O mGy-cm² ☐ O μGy-M²



E. HEMODYNAMICS (COMPLETE FOR EACH CATH LAB VISIT)

Systemic Arterial Saturation ⁶⁰⁰⁰ :	_____ %	<input type="checkbox"/> Not Assessed ⁶⁰⁰¹
Mixed Venous Saturation ⁶⁰⁰⁵ :	_____ %	<input type="checkbox"/> Not Assessed ⁶⁰⁰⁶
Systemic Ventricular Systolic Pressure ⁶⁰¹⁰ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰¹¹
Systemic Ventricular End Diastolic Pressure ⁶⁰¹⁵ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰¹⁶
Systemic Blood Pressure: (Systolic) ⁶⁰²⁰ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰²¹
(Diastolic) ⁶⁰²⁵ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰²⁶
(Mean) ⁶⁰³⁰ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰³¹
PA Pressure:	(Systolic) ⁶⁰³⁵ : _____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰³⁶
	(Mean) ⁶⁰⁴⁰ :	_____ mmHg <input type="checkbox"/> Not Assessed ⁶⁰⁴¹
Pulmonary Ventricular Systolic Pressure ⁶⁰⁴⁵ :	_____ mmHg	<input type="checkbox"/> Not Assessed ⁶⁰⁴⁶
Pulmonary Vascular Resistance Index ⁶⁰⁵⁰ :	_____ Wood Units*m ²	<input type="checkbox"/> Not Assessed ⁶⁰⁵¹
Cardiac Index ⁶⁰⁵⁵ :	_____ L/min/m ²	<input type="checkbox"/> Not Assessed ⁶⁰⁵⁶
Qp/Qs ratio ⁶⁰⁶⁰ :	_____	<input type="checkbox"/> Not Assessed ⁶⁰⁶¹

F. ASD CLOSURE

Primary Procedure Indication ⁷⁰⁰⁰ :	<input type="radio"/> Right ventricular volume overload <input type="radio"/> Recurrent respiratory infections <input type="radio"/> Stroke prevention	<input type="radio"/> Chronic lung disease <input type="radio"/> Ventilator dependent <input type="radio"/> Migraines	<input type="radio"/> Failure to thrive <input type="radio"/> Cyanosis <input checked="" type="radio"/> Pulmonary hypertension
Total Septal Length ⁷⁰⁰⁵ :	_____ mm <input type="checkbox"/> Not Assessed ⁷⁰⁰⁶	Atrial Septal Aneurysm Present ⁷⁰¹⁰ : <input type="radio"/> No <input type="radio"/> Yes	

DEFECT COUNTER ⁷⁰²⁰	1	2	3
ASD Multi-Fenestrated ⁷⁰²² :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If No, ASD Size ⁷⁰²⁵ :	_____ mm	_____ mm	_____ mm
Balloon Sizing Performed ⁷⁰³⁰ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Stretched Diameter Performed ⁷⁰³⁵ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Size ⁷⁰⁴⁰ :	_____ mm	_____ mm	_____ mm
→If Yes, Stop Flow Technique Performed ⁷⁰⁴⁵ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Size ⁷⁰⁵⁰ :	_____ mm	_____ mm	_____ mm
Rim Measurement Performed ⁷⁰⁵⁵ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, IVC Rim Length ⁷⁰⁶⁰ :	_____ mm	_____ mm	_____ mm
→If Yes, Minimum Aortic Rim Length ⁷⁰⁶⁵ :	_____ mm	_____ mm	_____ mm
→If Yes, Posterior Rim Length ⁷⁰⁶⁶ :	_____ mm	_____ mm	_____ mm
Residual Shunt Size ⁷⁰⁸⁰ : (immed after device placement)	<input type="radio"/> None to trivial (<3 mm) <input type="radio"/> Significant (>=3 mm)	<input type="radio"/> None to trivial (<3 mm) <input type="radio"/> Significant (>=3 mm)	<input type="radio"/> None to trivial (<3 mm) <input type="radio"/> Significant (>=3 mm)

	Device(s) ⁷⁰⁸⁵	Associated Defect(s) ⁷⁰⁸⁹	Outcome of Device ⁷⁰⁹⁰
1	_____	_____, _____, _____	<input type="radio"/> Implanted, not released <input type="radio"/> Implanted, released <input type="radio"/> Implanted, released and retrieved
2	_____	_____, _____, _____	<input type="radio"/> Implanted, not released <input type="radio"/> Implanted, released <input type="radio"/> Implanted, released and retrieved
3	_____	_____, _____, _____	<input type="radio"/> Implanted, not released <input type="radio"/> Implanted, released <input type="radio"/> Implanted, released and retrieved



G. COARCTATION PROCEDURE



Primary Procedure

Indication⁷¹⁰⁰:
☐ Abnormal ventricular function
☐ High resting gradient

☐ Congestive heart failure
☐ Angiographic appearance

☐ Exercise hypertension
☐ Pseudoaneurysm
☐ Systemic hypertensionNature of simple discrete coarctation (One site of intervention)⁷¹⁰¹:☐ Native☐ Post Treatment→ If Post Treatment, Most Recent Prior Treatment⁷¹⁰²:☐ Surgical Repair☐ Catheter-based InterventionPre-Procedure Minimal Diameter⁷¹⁰⁷:

_____ mm

☐ Not Assessed⁷¹⁰⁸Pre-Procedure Peak Systolic Gradient⁷¹¹⁰:

_____ mmHg

☐ Not Assessed⁷¹¹¹Post-Procedure Minimal Diameter⁷¹²⁰:

_____ mm

☐ Not Assessed⁷¹²¹Post-Procedure Peak Systolic Gradient⁷¹²⁵:

_____ mmHg

☐ Not Assessed⁷¹²⁴Coarctation with additional associated aortic obstruction⁷¹²⁶:☐ No ☐ Yes→ If Yes, Additional intervention on aortic arch⁷¹²⁷:☐ No ☐ Yes→ If Yes, Pre-Procedure Total ascending to descending Aortic Systolic Gradient⁷¹²⁸:

_____ mmHg

→ If Yes, Post-Procedure Total ascending to descending Aortic Systolic Gradient⁷¹²⁹:

_____ mmHg

DEVICE COUNTER⁷¹³⁰Device ID⁷¹³⁵: (Capture devices used to correct defect)Device Type⁷¹⁴⁰:→ If Balloon, Purpose⁷¹⁴⁵:→ If Balloon, Max Inflation Pressure⁷¹⁵⁰:→ If Balloon, Outcome⁷¹⁵⁵:→ If Stent, Outcome⁷¹⁶⁰:→ If Stent, In Stent Minimal Diameter Assessed⁷¹⁶⁴:→ If Yes, In Stent Minimal Diameter⁷¹⁶⁵:

1

2

3

☐ Balloon ☐ Stent
☐ Compliance testing
☐ Stent redilation
☐ Angioplasty
☐ Stent implantation

_____ atm(s)

☐ Inflated with rupture
☐ Inflated without rupture

☐ Implanted intended site
☐ Implanted other location
☐ Not deployed
☐ No ☐ Yes

_____ mm

☐ Balloon ☐ Stent
☐ Compliance testing
☐ Stent redilation
☐ Angioplasty
☐ Stent implantation

_____ atm(s)

☐ Inflated with rupture
☐ Inflated without rupture

☐ Implanted intended site
☐ Implanted other location
☐ Not deployed
☐ No ☐ Yes

_____ mm

☐ Balloon ☐ Stent
☐ Compliance testing
☐ Stent redilation
☐ Angioplasty
☐ Stent implantation

_____ atm(s)

☐ Inflated with rupture
☐ Inflated without rupture

☐ Implanted intended site
☐ Implanted other location
☐ Not deployed
☐ No ☐ Yes

_____ mm



H. AORTIC VALVULOPLASTY



Primary Procedure Indication⁷²⁰⁰: ☐ Aortic stenosis gradient ☐ Abnormal stress test/EKG
☐ LV dysfunction ☐ Symptoms

Valve Morphology⁷²⁰⁵: ☐ Unicuspid ☐ Bicuspid ☐ Tricuspid ☐ Quadracuspid ☐ Uncertain

Pre-Procedure Aortic Valve Regurgitation⁷²¹⁰: ☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)

Aortic Valve Diameter⁷²¹⁵: (used to select balloon) mm **Pre-Procedure Peak Systolic Gradient**⁷²²⁰: mmHg

BALLOON COUNTER⁷²³¹

	1	2	3
Balloon Technique ⁷²³⁶ : →If Single or Double, Device ID Balloon 1 ⁷²⁴¹ : →If Double, Device ID Balloon 2 ⁷²⁴² :	<input type="radio"/> Single <input type="radio"/> Double _____ _____	<input type="radio"/> Single <input type="radio"/> Double _____ _____	<input type="radio"/> Single <input type="radio"/> Double _____ _____
Balloon Stabilization ⁷²⁴³ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Max Inflation Pressure ⁷²⁴⁴ :	_____ atm(s)	_____ atm(s)	_____ atm(s)
Balloon Outcome ⁷²⁵⁶ :	<input type="radio"/> Inflated with rupture <input type="radio"/> Inflated without rupture	<input type="radio"/> Inflated with rupture <input type="radio"/> Inflated without rupture	<input type="radio"/> Inflated with rupture <input type="radio"/> Inflated without rupture
Post Dilatation Systolic Gradient ⁷²⁵⁷ :	_____ mmHg	_____ mmHg	_____ mmHg
Post Dilatation Regurgitation ⁷²⁵⁸	<input type="radio"/> None <input type="radio"/> 1+ (mild) <input type="radio"/> 2+ (moderate) <input type="radio"/> 3+ (moderately severe) <input type="radio"/> 4+ (severe)	<input type="radio"/> None <input type="radio"/> 1+ (mild) <input type="radio"/> 2+ (moderate) <input type="radio"/> 3+ (moderately severe) <input type="radio"/> 4+ (severe)	<input type="radio"/> None <input type="radio"/> 1+ (mild) <input type="radio"/> 2+ (moderate) <input type="radio"/> 3+ (moderately severe) <input type="radio"/> 4+ (severe)

I. PULMONARY VALVULOPLASTY



Primary Procedure Indication⁷⁴⁰⁰: ☐ High resting gradient ☐ R to L shunting ☐ RV dysfunction ☐ Symptoms

Valve Morphology⁷⁴⁰⁵: ☐ Typical ☐ Dysplastic/Complex **Subpulmonary Stenosis Present**⁷⁴¹⁰: ☐ No ☐ Yes

Pulmonary Valve Diameter⁷⁴¹⁵: (used to select balloon) mm

Pre-Procedure Peak Systolic Gradient⁷⁴²⁰: mmHg ☐ Not Assessed⁷⁴²¹

Balloon Technique (Final Balloon)⁷⁵²⁰: ☐ Single ☐ Double

→If Single or Double, **Device ID Balloon 1**⁷⁵²⁵:

→If Double, **Device ID Balloon 2**⁷⁵³⁰:



Balloon Stabilization⁷⁵³⁵: ☐ No ☐ Yes

Max Inflation Pressure⁷⁵⁴⁰: atm(s)

Balloon Outcome⁷⁵⁴⁵: ☐ Inflated with rupture ☐ Inflated without rupture

Post-Procedure Peak Systolic Gradient⁷⁵⁵⁰: mmHg ☐ Not Assessed⁷⁵⁵¹

J. PDA CLOSURE

Primary Procedure Indication⁷⁶⁰⁰: ☐ SBE prevention ☐ Left ventricular volume overload ☐ Pulmonary hypertension

PDA Diameter Aortic Side⁷⁶⁰⁵: mm **PDA Minimum Lumenal Diameter**⁷⁶¹⁰: mm **PDA Length**⁷⁶¹⁵: mm

PDA Classification⁷⁶²⁰: ☐ Type A (conical) ☐ Type B (window) ☐ Type C (tubular) ☐ Type D (complex) ☐ Type E (elongated)

PA Obstruction⁷⁶³⁰: (caused by implant) ☐ No ☐ Yes ☐ Not Assessed

Aortic Obstruction⁷⁶³⁵: (caused by implant) ☐ No ☐ Yes ☐ Not Assessed

Residual Shunt⁷⁶⁴⁰: (immed after device placement) ☐ None to trivial ☐ Significant

Device(s) ⁷⁶⁴⁵	Outcome of Device ⁷⁶⁵⁰		
1	<input type="radio"/> Implanted, not released	<input type="radio"/> Implanted, released	<input type="radio"/> Implanted, released and retrieved
2	<input type="radio"/> Implanted, not released	<input type="radio"/> Implanted, released	<input type="radio"/> Implanted, released and retrieved
3	<input type="radio"/> Implanted, not released	<input type="radio"/> Implanted, released	<input type="radio"/> Implanted, released and retrieved



K. PROXIMAL PULMONARY ARTERY STENTING PROCEDURE



Primary Procedure Indication⁷⁷⁰⁰: ☐ PA gradient ☐ RV hypertension/dysfunction ☐ Pulmonary regurgitation
☐ PA flow discrepancy ☐ Angiographic narrowing



DEFECT COUNTER ⁷⁷⁰⁵	1	2	3
Defect Location⁷⁷¹⁰:	<input type="radio"/> Right proximal PA <input type="radio"/> Left proximal PA	<input type="radio"/> Right proximal PA <input type="radio"/> Left proximal PA	<input type="radio"/> Right proximal PA <input type="radio"/> Left proximal PA
Distal Obstruction Present⁷⁷²⁰:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Sidebranch Jailing⁷⁷²⁵:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Intended⁷⁷³⁰:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Artery⁷⁷³⁵:	<input type="radio"/> Proximal artery <input type="radio"/> Lobar artery	<input type="radio"/> Proximal artery <input type="radio"/> Lobar artery	<input type="radio"/> Proximal artery <input type="radio"/> Lobar artery
→If Yes, Decreased Flow⁷⁷⁴⁰:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes

PRE-PROCEDURE MEASUREMENTS (TO PA DEFECT)

If Single Ventricle⁴⁰²⁶ is 'No',			
→Proximal Systolic Pressure⁷⁷⁴⁵:	_____ mmHg	_____ mmHg	_____ mmHg
→Distal Systolic Pressure⁷⁷⁵⁰:	_____ mmHg	_____ mmHg	_____ mmHg
If Single Ventricle⁴⁰²⁶ is 'Yes',			
→Proximal Mean Pressure⁷⁷⁵⁵:	_____ mmHg	_____ mmHg	_____ mmHg
→Distal Mean Pressure⁷⁷⁶⁰:	_____ mmHg	_____ mmHg	_____ mmHg
Proximal Diameter⁷⁷⁶⁵:	_____ mm	_____ mm	_____ mm
Distal Diameter⁷⁷⁷⁰:	_____ mm	_____ mm	_____ mm
PA Vessel Diameter Minimum⁷⁷⁷⁵:	_____ mm	_____ mm	_____ mm

POST-PROCEDURE MEASUREMENTS (TO PA DEFECT)

If Single Ventricle⁴⁰²⁶ is 'No',			
→Proximal Systolic Pressure⁷⁷⁸⁵:	_____ mmHg	_____ mmHg	_____ mmHg
→Distal Systolic Pressure⁷⁷⁹⁰:	_____ mmHg	_____ mmHg	_____ mmHg
If Single Ventricle⁴⁰²⁶ is 'Yes',			
→Proximal Mean Pressure⁷⁷⁹⁵:	_____ mmHg	_____ mmHg	_____ mmHg
→Distal Mean Pressure⁷⁸⁰⁰:	_____ mmHg	_____ mmHg	_____ mmHg
Proximal Diameter⁷⁸⁰⁵:	_____ mm	_____ mm	_____ mm
Distal Diameter⁷⁸¹⁰:	_____ mm	_____ mm	_____ mm
PA Vessel Diameter in Stent Minimum⁷⁸¹⁵:	_____ mm	_____ mm	_____ mm

	Device(s) ⁷⁸²⁰	Associated Defect(s) ⁷⁸²⁴	Outcome of Device ⁷⁸²⁵
1		_____ , _____ , _____	<input type="radio"/> Stent deployed in intended location <input type="radio"/> Stent deployed in unintended location <input type="radio"/> Not deployed
2		_____ , _____ , _____	<input type="radio"/> Stent deployed in intended location <input type="radio"/> Stent deployed in unintended location <input type="radio"/> Not deployed
3		_____ , _____ , _____	<input type="radio"/> Stent deployed in intended location <input type="radio"/> Stent deployed in unintended location <input type="radio"/> Not deployed

**L. ELECTROPHYSIOLOGY PROCEDURE**

Primary Procedure Indication¹⁰⁰⁰⁰: ☐ Evaluation of specific arrhythmia ☐ Evaluation of event or symptoms suggesting arrhythmia
☐ Evaluation of prior antiarrhythmic treatment ☐ Evaluation of risk for ventricular tachyarrhythmia
☐ Preoperative evaluation

PRIOR ELECTROPHYSIOLOGY HISTORY

History of Congenital Heart Disease¹⁰⁰⁰⁵: ☐ No structural heart disease or trivial, unoperated congenital heart disease
☐ Repaired functionally two-ventricle congenital heart disease
☐ Repaired tetralogy of Fallot and tetralogy-like variants
☐ Transposition of the great arteries following atrial-level (Mustard or Senning) palliation
☐ Fontan palliation of functionally univentricular heart
☐ Pre-Fontan palliation of functionally univentricular heart
☐ Unoperated acyanotic congenital heart disease
☐ Unoperated cyanotic congenital heart disease

Previous EP Therapy Attempted¹⁰⁰¹⁰: ☐ No ☐ Yes
→If Yes, EP therapy(ies) attempted:
 (check all that apply) ☐ Catheter Ablation¹⁰⁰¹¹ ☐ Pharmacologic Therapy¹⁰⁰¹² ☐ Chemical cardioversion¹⁰⁰¹³
☐ DC cardioversion¹⁰⁰¹⁴ ☐ Pacemaker insertion¹⁰⁰¹⁵ ☐ ICD insertion¹⁰⁰¹⁶
☐ Arrhythmia surgery¹⁰⁰¹⁷
→If Catheter Ablation, Number of prior ablation procedures¹⁰⁰¹⁸: _____

PRE-PROCEDURE SYMPTOM SEVERITY SURVEY (SSS)

SSSQ1: In the past 6 months, what symptom or feeling that comes from the patient's heart rhythm problem bothers her/him most often?¹⁰⁰²⁰

☐ Palpitations ☐ Chest pain ☐ Shortness of breath ☐ Dizziness ☐ Fatigue ☐ Fainting ☐ No symptoms

→If any symptoms present, SSSQ2: In the past 6 months how often has patient had this feeling?¹⁰⁰²¹

☐ Every day ☐ At least once per week ☐ At least once per month ☐ At least once in the last 6 months

SSSQ3: In the past 6 months, what symptom or feeling that comes from the patient's heart rhythm problem was the worst (most severe or unpleasant)?¹⁰⁰²²

☐ Palpitations ☐ Chest pain ☐ Shortness of breath ☐ Dizziness ☐ Fatigue ☐ Fainting ☐ No symptoms

SSSQ4: In the past 6 months, for any heart rhythm episodes the patient has had, what is the most intense (severe) treatment that the patient has endured to treat the rhythm problem?¹⁰⁰²³

☐ No rhythm problems during this time ☐ Rhythm is always present and no effort was made to try and relieve it ☐ Self-Resolving
☐ Vagal Maneuvers ☐ ER visit, symptoms self-resolved or with vagal maneuvers
☐ ER-Treated with medication ☐ Admitted for >= 1 day, treated with medication ☐ Hospital/ER Cardioversion

SSSQ5: In the past 6 months, has the patient taken any of the following medications?¹⁰⁰²⁴ (check all that apply)

☐ Amiodarone ☐ Beta Blocker ☐ Digoxin ☐ Diltiazem ☐ Dofetilide ☐ Dronedarone ☐ Flecainide ☐ Mexiletine
☐ Propafenone ☐ Sotalol ☐ Verapamil ☐ None

SSSQ6: In the past 6 months, does the patient feel that their rhythm problem has interfered with how well they are able to work, go to school or play?¹⁰⁰²⁵ ☐ No ☐ Yes

SSSQ7: Indicate who completed the Symptom Severity Survey (SSS)?¹⁰⁰²⁶ ☐ Caregiver ☐ Parent ☐ Patient

Tachyarrhythmias Observed during EP Study¹⁰⁰⁴⁰: (check all that apply)

☐ Atrial Fibrillation ☐ Atrial Flutter - CTI-dependent ☐ Atrial Flutter - Non-CTI-dependent
☐ Atrial premature complexes ☐ AV node re-entry Typical (slow/fast) ☐ AV node re-entry Atypical (fast/slow)
☐ AV node re-entry Atypical (slow/slow) ☐ AV node re-entry Atypical (unknown) ☐ AVRT - antidromic
☐ AVRT - orthodromic ☐ Ectopic atrial tachycardia ☐ Inappropriate sinus tachycardia
☐ Isolated ventricular pre-excitation ☐ Junctional tachycardia ☐ Premature ventricular complexes
☐ Ventricular fibrillation ☐ Ventricular tachycardia, monomorphic ☐ Ventricular tachycardia, monomorphic, non-sustained
☐ Ventricular tachycardia, polymorphic ☐ Ventricular tachycardia, polymorphic, non-sustained
☐ No tachyarrhythmias or ectopy observed

Sedation Medication¹⁰⁰⁶⁵: (check all that apply) ☐ Cisatracurium ☐ Desflurane ☐ Dexmedetomidine ☐ Fentanyl ☐ Isoflurane ☐ Ketamine
☐ Midazolam ☐ Morphine ☐ Nitrous oxide ☐ Propofol ☐ Remifentanyl ☐ Rocuronium
☐ Sevoflurane ☐ Succinylcholine ☐ Vecuronium

**L. ELECTROPHYSIOLOGY PROCEDURE (CONT.)**

Imaging System(s) Used¹⁰⁰⁷⁰: (check all that apply)

<input type="checkbox"/> CARTO 3	<input type="checkbox"/> CARTO XP	<input type="checkbox"/> CARTO Sound	<input type="checkbox"/> ICE	<input type="checkbox"/> Ensite NavX
<input type="checkbox"/> Velocity NavX	<input type="checkbox"/> EnSite Balloon Array	<input type="checkbox"/> Velocity Balloon Array	<input type="checkbox"/> TEE	<input type="checkbox"/> None

ABLATION PROCEDURE

Ablation Target Counter¹⁰⁰⁷⁵	1	2
Indications for Ablation¹⁰⁰⁸⁰: (check all that apply)	<input type="checkbox"/> Adverse drug effects <input type="checkbox"/> Cardiomyopathy <input type="checkbox"/> Frequent ICD discharges <input type="checkbox"/> Impending CHD surgery <input type="checkbox"/> Patient choice/desire for a drug-free lifestyle <input type="checkbox"/> Refractory to drug Rx <input type="checkbox"/> Stroke prophylaxis <input type="checkbox"/> Sudden-death prophylaxis	<input type="checkbox"/> Adverse drug effects <input type="checkbox"/> Cardiomyopathy <input type="checkbox"/> Frequent ICD discharges <input type="checkbox"/> Impending CHD surgery <input type="checkbox"/> Patient choice/desire for a drug-free lifestyle <input type="checkbox"/> Refractory to drug Rx <input type="checkbox"/> Stroke prophylaxis <input type="checkbox"/> Sudden-death prophylaxis
Approach to Ablation Target¹⁰⁰⁸⁵: (check all that apply)	<input type="checkbox"/> Antegrade approach to right heart from IVC <input type="checkbox"/> Antegrade approach to right heart from SVC <input type="checkbox"/> Trans-foraminal approach to left heart <input type="checkbox"/> Trans-septal approach to left heart <input type="checkbox"/> Retrograde approach to left heart <input type="checkbox"/> Coronary sinus approach to left heart <input type="checkbox"/> Percutaneous approach to the epicardial space <input type="checkbox"/> Trans-hepatic approach to right heart <input type="checkbox"/> Transbaffle approach <input type="checkbox"/> Extracardiac conduit puncture <input type="checkbox"/> Transthoracic cardiac puncture	<input type="checkbox"/> Antegrade approach to right heart from IVC <input type="checkbox"/> Antegrade approach to right heart from SVC <input type="checkbox"/> Trans-foraminal approach to left heart <input type="checkbox"/> Trans-septal approach to left heart <input type="checkbox"/> Retrograde approach to left heart <input type="checkbox"/> Coronary sinus approach to left heart <input type="checkbox"/> Percutaneous approach to the epicardial space <input type="checkbox"/> Trans-hepatic approach to right heart <input type="checkbox"/> Transbaffle approach <input type="checkbox"/> Extracardiac conduit puncture <input type="checkbox"/> Transthoracic cardiac puncture
Targeted ablation substrate¹⁰⁰⁹⁰:	<input type="radio"/> Accessory pathway - concealed <input type="radio"/> Accessory pathway - manifest (bidirectional WPW) <input type="radio"/> Accessory pathway - manifest (antegrade only WPW) <input type="radio"/> Accessory pathway - manifest (unidirectional anterograde decremental pathway - Mahaim) <input type="radio"/> AV node <input type="radio"/> AV node - fast pathway <input type="radio"/> AV node - slow pathway <input type="radio"/> His bundle <input type="radio"/> Myocardium - atrial <input type="radio"/> Myocardium - coronary sinus <input type="radio"/> Myocardium - ventricular <input type="radio"/> Sinus node <input type="radio"/> Congenital Heart Disease specific target <input type="radio"/> No target identified	<input type="radio"/> Accessory pathway - concealed <input type="radio"/> Accessory pathway - manifest (bidirectional WPW) <input type="radio"/> Accessory pathway - manifest (antegrade only WPW) <input type="radio"/> Accessory pathway - manifest (unidirectional anterograde decremental pathway - Mahaim) <input type="radio"/> AV node <input type="radio"/> AV node - fast pathway <input type="radio"/> AV node - slow pathway <input type="radio"/> His bundle <input type="radio"/> Myocardium - atrial <input type="radio"/> Myocardium - coronary sinus <input type="radio"/> Myocardium - ventricular <input type="radio"/> Sinus node <input type="radio"/> Congenital Heart Disease specific target <input type="radio"/> No target identified
Ablation Target Location ID¹⁰⁰⁹⁵:	_____	_____
Methods to localize ablation target¹⁰¹⁰⁰: (check all that apply)	<input type="checkbox"/> Activation mapping <input type="checkbox"/> Anatomic mapping <input type="checkbox"/> Entrainment mapping <input type="checkbox"/> Signal morphology mapping <input type="checkbox"/> Pace mapping <input type="checkbox"/> Voltage (substrate) mapping	<input type="checkbox"/> Activation mapping <input type="checkbox"/> Anatomic mapping <input type="checkbox"/> Entrainment mapping <input type="checkbox"/> Signal morphology mapping <input type="checkbox"/> Pace mapping <input type="checkbox"/> Voltage (substrate) mapping
Ablation Attempted¹⁰¹⁰⁵: →If No, Reason not attempted¹⁰¹⁰⁶:	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not clinically indicated <input type="radio"/> Proximity to AV node <input type="radio"/> Proximity to sinus node <input type="radio"/> Insufficient target for mapping and ablation <input type="radio"/> Patient/Family choice	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not clinically indicated <input type="radio"/> Proximity to AV node <input type="radio"/> Proximity to sinus node <input type="radio"/> Insufficient target for mapping and ablation <input type="radio"/> Patient/Family choice



L. ELECTROPHYSIOLOGY PROCEDURE (CONT.)

Ablation Target Counter ¹⁰⁰⁷⁵	1	2
EP – Outcome of Ablation¹⁰¹¹⁰ (Select from below)		
→If Accessory pathway - concealed, Outcome:	<input type="radio"/> Elimination of retrograde AP conduction <input type="radio"/> Persistence of retrograde conduction, without SVT <input type="radio"/> Persistence of retrograde conduction, with SVT <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of retrograde AP conduction <input type="radio"/> Persistence of retrograde conduction, without SVT <input type="radio"/> Persistence of retrograde conduction, with SVT <input type="radio"/> Unknown or Ambiguous
→If Accessory pathway - manifest (bidirectional WPW), Outcome:	<input type="radio"/> Elimination of retrograde conduction (Elimination of retrograde conduction) <input type="radio"/> Elimination of antegrade conduction (Persistence of retrograde conduction, with SVT) <input type="radio"/> Elimination of antegrade conduction (Persistence of retrograde conduction, without SVT) <input type="radio"/> Persistence of antegrade conduction (Elimination of retrograde conduction, with SVT) <input type="radio"/> Persistence of antegrade conduction (Elimination of retrograde conduction, without SVT) <input type="radio"/> Persistence of antegrade conduction (Persistence of retrograde conduction, with SVT) <input type="radio"/> Persistence of antegrade conduction (Persistence of retrograde conduction, without SVT) <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of retrograde conduction (Elimination of retrograde conduction) <input type="radio"/> Elimination of antegrade conduction (Persistence of retrograde conduction, with SVT) <input type="radio"/> Elimination of antegrade conduction (Persistence of retrograde conduction, without SVT) <input type="radio"/> Persistence of antegrade conduction (Elimination of retrograde conduction, with SVT) <input type="radio"/> Persistence of antegrade conduction (Elimination of retrograde conduction, without SVT) <input type="radio"/> Persistence of antegrade conduction (Persistence of retrograde conduction, with SVT) <input type="radio"/> Persistence of antegrade conduction (Persistence of retrograde conduction, without SVT) <input type="radio"/> Unknown or Ambiguous
→If Accessory pathway manifest (antegrade only WPW), Outcome:	<input type="radio"/> Elimination of antegrade AP conduction <input type="radio"/> Persistence of antegrade conduction, without SVT <input type="radio"/> Persistence of antegrade conduction, with SVT <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of antegrade AP conduction <input type="radio"/> Persistence of antegrade conduction, without SVT <input type="radio"/> Persistence of antegrade conduction, with SVT <input type="radio"/> Unknown or Ambiguous
→If Accessory pathway - manifest (unidirectional antegrade decremental pathway - Mahaim), Outcome:	<input type="radio"/> Elimination of antegrade AP conduction <input type="radio"/> Persistence of antegrade conduction, without SVT <input type="radio"/> Persistence of antegrade conduction, with SVT <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of antegrade AP conduction <input type="radio"/> Persistence of antegrade conduction, without SVT <input type="radio"/> Persistence of antegrade conduction, with SVT <input type="radio"/> Unknown or Ambiguous
→If AV node, Outcome:	<input type="radio"/> Ablation ineffective <input type="radio"/> Attenuation of AV conduction <input type="radio"/> Elimination of AV conduction <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Ablation ineffective <input type="radio"/> Attenuation of AV conduction <input type="radio"/> Elimination of AV conduction <input type="radio"/> Unknown or Ambiguous
→If AV node (fast pathway), Outcome:	<input type="radio"/> Elimination of fast pathway conduction (Attenuation of AV conduction) <input type="radio"/> Elimination of fast pathway conduction (Elimination of AV conduction) <input type="radio"/> Elimination of fast pathway conduction (No change in AV conduction) <input type="radio"/> Persistence of fast pathway conduction (Attenuation of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (Elimination of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (No change in AV conduction) <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of fast pathway conduction (Attenuation of AV conduction) <input type="radio"/> Elimination of fast pathway conduction (Elimination of AV conduction) <input type="radio"/> Elimination of fast pathway conduction (No change in AV conduction) <input type="radio"/> Persistence of fast pathway conduction (Attenuation of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (Elimination of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (No change in AV conduction) <input type="radio"/> Unknown or Ambiguous
→If AV node (slow pathway), Outcome:	<input type="radio"/> Elimination of slow pathway conduction <input type="radio"/> Persistence of slow pathway conduction (Persistence of spontaneous or inducible SVT) <input type="radio"/> Persistence of slow pathway conduction (with single echoes but no SVT) <input type="radio"/> Persistence of slow pathway conduction (without echoes) <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of slow pathway conduction <input type="radio"/> Persistence of slow pathway conduction (Persistence of spontaneous or inducible SVT) <input type="radio"/> Persistence of slow pathway conduction (with single echoes but no SVT) <input type="radio"/> Persistence of slow pathway conduction (without echoes) <input type="radio"/> Unknown or Ambiguous



L. ELECTROPHYSIOLOGY PROCEDURE (CONT.)

Ablation Target Counter ¹⁰⁰⁷⁵		1	2
EP – Outcome of Ablation ¹⁰¹¹⁰ (Select from below)			
→If His bundle, Outcome:	<input type="radio"/> Elimination of ectopic focus/tachycardia (Attenuation of AV conduction) <input type="radio"/> Elimination of ectopic focus/tachycardia (Elimination of AV conduction) <input type="radio"/> Elimination of ectopic focus/tachycardia (No change in AV conduction) <input type="radio"/> Persistence of ectopic focus/tachycardia (Attenuation of AV conduction) <input type="radio"/> Persistence of ectopic focus/tachycardia (Elimination of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (No change in AV conduction) <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of ectopic focus/tachycardia (Attenuation of AV conduction) <input type="radio"/> Elimination of ectopic focus/tachycardia (Elimination of AV conduction) <input type="radio"/> Elimination of ectopic focus/tachycardia (No change in AV conduction) <input type="radio"/> Persistence of ectopic focus/tachycardia (Attenuation of AV conduction) <input type="radio"/> Persistence of ectopic focus/tachycardia (Elimination of AV conduction) <input type="radio"/> Persistence of fast pathway conduction (No change in AV conduction) <input type="radio"/> Unknown or Ambiguous	
→If Myocardium - atrial, Outcome:	<input type="radio"/> Substrate eliminated <input type="radio"/> Substrate attenuated <input type="radio"/> Ablation ineffective <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Substrate eliminated <input type="radio"/> Substrate attenuated <input type="radio"/> Ablation ineffective <input type="radio"/> Unknown or Ambiguous	
→If Myocardium - coronary sinus, Outcome:	<input type="radio"/> Substrate eliminated <input type="radio"/> Substrate attenuated <input type="radio"/> Ablation ineffective <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Substrate eliminated <input type="radio"/> Substrate attenuated <input type="radio"/> Ablation ineffective <input type="radio"/> Unknown or Ambiguous	
→If Myocardium-ventricular, Outcome:	<input type="radio"/> Elimination of spontaneous/inducible VT <input type="radio"/> Persistence of spontaneous/inducible VT (with non-sustained VT) <input type="radio"/> Persistence of spontaneous/inducible VT (with sustained VT) <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Elimination of spontaneous/inducible VT <input type="radio"/> Persistence of spontaneous/inducible VT (with non-sustained VT) <input type="radio"/> Persistence of spontaneous/inducible VT (with sustained VT) <input type="radio"/> Unknown or Ambiguous	
→If Sinus node, Outcome:	<input type="radio"/> Normalization of sinus node function <input type="radio"/> Persistent inappropriate sinus tachycardia <input type="radio"/> Sinus bradycardia or arrest <input type="radio"/> Unknown or Ambiguous	<input type="radio"/> Normalization of sinus node function <input type="radio"/> Persistent inappropriate sinus tachycardia <input type="radio"/> Sinus bradycardia or arrest <input type="radio"/> Unknown or Ambiguous	
	Ablation Catheter(s) ¹⁰¹²⁰	Associated Ablation Targets(s) ¹⁰¹²⁵	Seconds on Ablation Target ¹⁰¹³⁰
1		_____ , _____ , _____	
2		_____ , _____ , _____	
3		_____ , _____ , _____	
			Number of Ablation Activations ¹⁰¹³⁵



TRANSCATHETER PULMONARY VALVE REPLACEMENT (TPVR)

Clinical Indication¹¹⁰⁰⁰:

☐ Symptomatic ☐ Prevention of symptoms in asymptomatic patient ☐ Declining ventricular function ☐ Worsening arrhythmias ☐ Other

Hemodynamic Indication¹¹⁰⁰⁵:

☐ Predominant valve/conduit Obstruction ☐ Predominant valve/conduit Regurgitation ☐ Mixed obstruction/regurgitation

Underlying anatomic reason for Right Ventricular Outflow Tract (RVOT) dysfunction¹¹⁰¹⁰:

☐ Congenital Heart Disease repaired using RVOT valve/conduit ☐ s/p Ross Procedure with repair using RVOT valve/conduit
☐ No Congenital Heart Disease with RVOT valve/conduit ☐ Native RVOT dysfunction secondary to surgical intervention
☐ Native RVOT dysfunction secondary to transcatheter intervention (other than preparation for transcatheter valve)
☐ Native RVOT dysfunction with no prior interventions

PRE-PROCEDURE TESTING

Echocardiogram¹¹⁰¹⁵: ☐ No ☐ Yes

→If Yes,

Mean gradient across valve/conduit¹¹⁰¹⁶: _____ mmHg

Maximum gradient across valve/conduit¹¹⁰¹⁷: _____ mmHg

Pulmonary Valve Regurgitation¹¹⁰¹⁸: ☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)

LVEF¹¹⁰¹⁹: _____ %

Tricuspid Regurgitation Severity¹¹⁰²⁰: ☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)

MRI¹¹⁰³⁰: ☐ No ☐ Yes

→If Yes,

RVEF¹¹⁰³¹: _____ %

LVEF¹¹⁰³²: _____ %

PR Fraction¹¹⁰³⁷: _____ %

RVEDV Index¹¹⁰³³: _____ ml/m²

RVESV Index¹¹⁰³⁴: _____ ml/m²

LVEDV Index¹¹⁰³⁵: _____ ml/m²

LVESV Index¹¹⁰³⁶: _____ ml/m²

RIGHT VENTRICULAR OUTFLOW TRACT (RVOT) ANATOMY AND FUNCTION

Type of RVOT valve/conduit¹¹⁰⁴⁰: ☐ Homograft (aortic) ☐ Homograft (pulmonary) ☐ Homograft (unknown) ☒ Contegra
☐ Bioprosthetic valve/conduit ☐ Non-valved synthetic tube ☐ Native/patched RVOT

→If Not Native/patched RVOT, Surgically implanted valve/conduit size¹¹⁰⁴¹: _____ mm

Existing stent within valve/conduit¹¹⁰⁴⁵: ☐ No ☐ Yes

Prior TPVR (Valve-in-Valve)¹¹⁰⁵⁰: ☐ No ☐ Yes

Cath Peak gradient across valve/conduit¹¹⁰⁵⁵: _____ mmHg

Narrowest angiographic valve/conduit diameter¹¹⁰⁶⁰: _____ mm

CORONARY ARTERY ASSESSMENT

Aortography performed¹¹⁰⁶⁵: ☐ No ☐ Yes

Selective coronary angiography performed¹¹⁰⁷⁰: ☐ No ☐ Yes

Coronary compression testing performed¹¹⁰⁷⁵: ☐ No ☐ Yes

→If Yes, Max Balloon size¹¹⁰⁷⁶: _____ mm

→If Yes, Coronary compression present¹¹⁰⁷⁷: ☐ No ☐ Yes ☐ Uncertain



M. TRANSCATHETER PULMONARY VALVE REPLACEMENT (CONT.)

CONDUIT PREPARATION

Pre-dilation performed¹¹⁰⁸⁰: ☐ No ☐ Yes

→If Yes, First Balloon size¹¹⁰⁸¹: _____ mm

→If Yes, Maximum Balloon size¹¹⁰⁸²: _____ mm

→If Yes, Highest pressure inflation performed¹¹⁰⁸³: _____ atm(s)

New Pre-Stent implanted¹¹⁰⁸⁵: ☐ No ☐ Yes

→If Yes, Number of new stents¹¹⁰⁸⁶: _____

Access vessel for valve delivery¹¹⁰⁹⁰: ☐ Femoral Vein ☐ Jugular Vein ☐ Subclavian Vein ☐ Per ventricular ☐ Other

Delivery Balloon size¹¹⁰⁹⁵: _____ mm

Transcatheter Pulmonary Valve (TPV) deployed¹¹¹⁰⁰: ☐ No ☐ Yes

→If Yes, Post-dilation of TPV¹¹¹⁰¹: ☐ No ☐ Yes

→If Yes, Final Balloon size¹¹¹⁰²: _____ mm

→If Yes, Final Balloon Pressure¹¹¹⁰³: _____ atm(s)

→If Yes, Post-Procedure Peak RVOT gradient¹¹¹⁰⁵: _____ mmHg

→If Yes, Post-Procedure Pulmonary Valve Regurgitation¹¹¹¹⁰:

☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)

→If Yes, Final minimal diameter of valve¹¹¹¹⁵: _____ mm

→If No, Reason TPV not deployed¹¹¹²⁰:

☐ Not indicated based on invasive hemodynamics ☐ Other treatment performed instead with adequate result

☐ Coronary artery compression risk ☐ Valve could not be advanced to implant location ☐ Complication before deployment

☐ Pre-stent implanted, planned TPVR at a later date ☐ Patient unstable ☐ No treatable landing zone

☐ Other

	Device(s) ¹¹¹³⁰	Outcome of Device ¹¹¹³⁵	
1		<input type="radio"/> Implanted in intended location <input type="radio"/> Implanted, not released	<input type="radio"/> Implanted in unintended location <input type="radio"/> Implanted, released and retrieved
2		<input type="radio"/> Implanted in intended location <input type="radio"/> Implanted, not released	<input type="radio"/> Implanted in unintended location <input type="radio"/> Implanted, released and retrieved
3		<input type="radio"/> Implanted in intended location <input type="radio"/> Implanted, not released	<input type="radio"/> Implanted in unintended location <input type="radio"/> Implanted, released and retrieved

POST-PROCEDURE TESTING (POST PROCEDURE AND PRIOR TO DISCHARGE)

Echocardiogram¹¹¹⁴⁰: ☐ No ☐ Yes

→If Yes, Mean gradient across valve/conduit¹¹¹⁴⁵: _____ mmHg

→If Yes, Maximum gradient across valve/conduit¹¹¹⁵⁰: _____ mmHg

→If Yes, Pulmonary Valve Regurgitation¹¹¹⁵⁵: ☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)



N. INTRA AND POST-PROCEDURE EVENTS (COMPLETE FOR EACH CATH LAB VISIT)



Cardiac Arrest⁸⁰⁰⁰:	<input type="radio"/> No <input type="radio"/> Yes	Bleeding Event⁸⁰⁹⁰:	<input type="radio"/> No <input type="radio"/> Yes
Arrhythmia⁸⁰⁰⁵:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Bleeding at Access Site⁸⁰⁹⁵:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, AV Block⁸⁰⁰⁶:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Hematoma at Access Site⁸¹⁰⁰:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Spontaneously resolved⁸⁰⁰⁷:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Retroperitoneal Bleeding⁸¹¹⁰:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Antiarrhythmic Medication⁸⁰¹⁰:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, GI Bleed⁸¹¹⁵:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Cardioversion⁸⁰¹⁵:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, GU Bleed⁸¹²⁰:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Temporary Pacemaker⁸⁰²⁰:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Other Bleed⁸¹²⁵:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Permanent Pacemaker⁸⁰²⁵:	<input type="radio"/> No <input type="radio"/> Yes	RBC Transfusion⁸¹³⁰:	<input type="radio"/> No <input type="radio"/> Yes
New Heart Valve Regurgitation⁸⁰³⁰:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Drop in Hgb \geq 3⁸¹³¹:	<input type="radio"/> No <input type="radio"/> Yes
Tamponade⁸⁰³⁵: (req pericardial drainage)	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Anemia prior to Cath Procedure⁸¹³²:	<input type="radio"/> No <input type="radio"/> Yes
Air Embolus⁸⁰⁴⁰:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Post-operative Blood Loss⁸¹³³:	<input type="radio"/> No <input type="radio"/> Yes
Embolic Stroke⁸⁰⁴⁵:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, ECMO Blood Replacement⁸¹³⁴:	<input type="radio"/> No <input type="radio"/> Yes
Device Malposition or Thrombus⁸⁰⁵⁰:	<input type="radio"/> No <input type="radio"/> Yes	Other Vascular Complications Req Rx⁸¹⁴⁰:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Catheterization⁸⁰⁵¹:	<input type="radio"/> No <input type="radio"/> Yes	Other Events⁸¹⁴⁵: (optional)	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Surgery⁸⁰⁵²:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, select Event(s)⁸¹⁵⁰ from list:	
Device Embolization⁸⁰⁵⁵: (req device retrieval)	<input type="radio"/> No <input type="radio"/> Yes	Peripheral Nerve Injury⁸²⁰⁰:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Catheterization⁸⁰⁶⁰:	<input type="radio"/> No <input type="radio"/> Yes	Phrenic Nerve Paralysis⁸²⁰⁵:	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Surgery⁸⁰⁶⁵:	<input type="radio"/> No <input type="radio"/> Yes	Pneumothorax⁸²¹⁰:	<input type="radio"/> No <input type="radio"/> Yes
New Requirement for Dialysis⁸⁰⁷⁰:	<input type="radio"/> No <input type="radio"/> Yes	Pulmonary Embolism⁸²¹⁵:	<input type="radio"/> No <input type="radio"/> Yes
Coronary Artery Compression⁸⁰⁷¹:	<input type="radio"/> No <input type="radio"/> Yes	Pulmonary Vein Stenosis⁸²²⁰:	<input type="radio"/> No <input type="radio"/> Yes
Erosion⁸⁰⁷²:	<input type="radio"/> No <input type="radio"/> Yes	Radiation Burn to Skin⁸²²⁵:	<input type="radio"/> No <input type="radio"/> Yes
Esophageal Fistula⁸⁰⁷³:	<input type="radio"/> No <input type="radio"/> Yes	Deep Vein Thrombosis⁸²³⁰:	<input type="radio"/> No <input type="radio"/> Yes
LBBB⁸⁰⁷⁴:	<input type="radio"/> No <input type="radio"/> Yes	Conduit Tear⁸²³⁵:	<input type="radio"/> No <input type="radio"/> Yes
RBBB⁸⁰⁷⁶:	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Location⁸²³⁶:	
Airway Event Requiring Escalation of Care⁸⁰⁷⁵:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Confined or therapeutic tear without hemodynamic change	
Event Requiring ECMO⁸⁰⁸⁰:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Rupture into pericardial or pleural space	
Event Requiring LVAD⁸⁰⁸⁵:	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Rupture into bronchus, cardiac chamber, aorta, or other vessel	
		→If Yes, Treatment⁸²³⁷: (check all that apply)	
		<input type="checkbox"/> No specific treatment	
		<input type="checkbox"/> Pericardial or pleural drain	
		<input type="checkbox"/> Covered with TPV	
		<input type="checkbox"/> Other catheter device (covered stent, occluder, coils)	
		<input type="checkbox"/> Surgery	

POST-PROCEDURE TREATMENTS



Planned Cardiac Surgery⁸¹⁵⁵:	<input type="radio"/> No <input type="radio"/> Yes	Unplanned Other Surgery⁸¹⁷⁰:	<input type="radio"/> No <input type="radio"/> Yes
Unplanned Cardiac Surgery⁸¹⁶⁰: (due to cath complication)	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Due to Cath Complication⁸¹⁷⁵:	<input type="radio"/> No <input type="radio"/> Yes
Unplanned Vascular Surgery⁸¹⁶⁵: (due to cath complication)	<input type="radio"/> No <input type="radio"/> Yes	Subsequent Cardiac Cath⁸¹⁸⁰: (due to cath complication)	<input type="radio"/> No <input type="radio"/> Yes



O. DISCHARGE (COMPLETE FOR EACH EPISODE OF CARE)

Cardiac Surgery during this admission⁸³⁰⁵: ☐ No ☐ Yes → If Yes, Cardiac Surgery Date/Time^{8310,8315}: mm / dd / yyyy HH:MMDischarge Date⁹⁰⁰⁰: mm / dd / yyyy Discharge Status⁹⁰⁰⁵: ☐ Alive ☐ Deceased→ If Deceased, Death in Lab⁹⁰¹⁰: ☐ No ☐ Yes→ If Deceased, Primary Cause of Death⁹⁰¹⁵: ☐ Acute myocardial infarction☐ Pulmonary☐ Hemorrhage☐ Sudden cardiac death☐ Renal☐ Non-cardiovascular procedure or surgery☐ Heart failure☐ Gastrointestinal☐ Trauma☐ Stroke☐ Hepatobiliary☐ Suicide☐ Cardiovascular procedure☐ Pancreatic☐ Neurological☐ Cardiovascular hemorrhage☐ Infection☐ Malignancy☐ Other cardiovascular reason☐ Inflammatory/Immunologic☐ Other non-cardiovascular reason

P. FOLLOW-UP (COMPLETE AFTER DISCHARGE FROM FACILITY)

Assessment Date¹²⁰⁰⁰: / dd / yyyyReference Procedure Start Date/Time^{12001/12002}: mm / dd / yyyy HH:MMMethod(s) to Determine Status: ☐ Office Visit¹²⁰⁰⁵ ☐ Medical Records¹²⁰⁰⁶ ☐ Letter from Medical Provider¹²⁰⁰⁷
☐ Phone Call¹²⁰⁰⁸ ☐ Social Security Death Master File¹²⁰⁰⁹ ☐ Hospitalized¹²⁰¹⁰
☐ Other¹²⁰¹¹Follow-up Status¹²⁰¹⁵: ☐ Alive ☐ Deceased ☐ Lost to Follow-up → If Deceased, Date of Death¹²⁰²⁰: mm / dd / yyyy → If Deceased, Cause of Death¹²⁰²⁵: ☐ Acute myocardial infarction☐ Pulmonary☐ Hemorrhage☐ Sudden cardiac death☐ Renal☐ Non-cardiovascular procedure or surgery☐ Heart failure☐ Gastrointestinal☐ Trauma☐ Stroke☐ Hepatobiliary☐ Suicide☐ Cardiovascular procedure☐ Pancreatic☐ Neurological☐ Cardiovascular hemorrhage☐ Infection☐ Malignancy☐ Other cardiovascular reason☐ Inflammatory/Immunologic☐ Other non-cardiovascular reason

EVENTS SINCE DISCHARGE

Readmitted¹²⁰³⁰: ☐ No ☐ Yes→ If Yes, Readmission Length of Stay¹²⁰³¹: _____ days→ If Yes, Readmission Date¹²⁰³²: mm / dd / yyyy→ If Yes, Hospitalized at time of Follow-up¹²⁰³³: ☐ No ☐ Yes

ASD PROCEDURE

Erosion¹²⁰⁴⁰: ☐ No ☐ YesDevice Embolization¹²⁰⁴⁵: (req device retrieval) ☐ No ☐ Yes→ If Yes, Retrieved via Catheterization¹²⁰⁴⁶: ☐ No ☐ Yes → If Yes, Retrieved via Surgery¹²⁰⁴⁷: ☐ No ☐ YesEndocarditis¹²⁰⁵⁰: ☐ No ☐ Yes → If Yes, Date of Endocarditis Diagnosis¹²⁰⁵¹: mm / dd / yyyy→ If Yes, Predisposing Factors for Endocarditis¹²⁰⁵²: ☐ Recent dental work or poor dentition ☐ History of Endocarditis
☐ Other implanted foreign bodies ☐ Other surface injuries/infections
☐ IV drug use→ If Yes, Treatment¹²⁰⁵³: ☐ Antibiotics ☐ Surgical Explant ☐ Transcatheter reintervention ☐ OtherResidual Shunt Size¹²⁰⁵⁵: ☐ None to trivial (<3 mm) ☐ Significant (≥3 mm)



P. FOLLOW-UP (CONT.)

ELECTROPHYSIOLOGY ABLATION PROCEDURE

POST-PROCEDURE SYMPTOM SEVERITY SURVEY (SSS)

SSSQ1: In the past 6 months, what symptom or feeling that comes from the patient's heart rhythm problem bothers her/him most often?¹²⁰⁶⁰

☐ Palpitations ☐ Chest pain ☐ Shortness of breath ☐ Dizziness ☐ Fatigue ☐ Fainting ☐ No symptoms

→ If any symptoms present, **SSSQ2:** In the past 6 months how often has patient had this feeling?¹²⁰⁶¹

☐ Every day ☐ At least once per week ☐ At least once per month ☐ At least once in the last 6 months

SSSQ3: In the past 6 months, what symptom or feeling that comes from the patient's heart rhythm problem was the worst (most severe or unpleasant)?¹²⁰⁶²

☐ Palpitations ☐ Chest pain ☐ Shortness of breath ☐ Dizziness ☐ Fatigue ☐ Fainting ☐ No symptoms

SSSQ4: In the past 6 months, for any heart rhythm episodes the patient has had, what is the most intense (severe) treatment that the patient has endured to treat the rhythm problem?¹²⁰⁶³

☐ No rhythm problems during this time ☐ Rhythm is always present and no effort was made to try and relieve it ☐ Self-Resolving
☐ Vagal Maneuvers ☐ ER visit, symptoms self-resolved or with vagal maneuvers
☐ ER-Treated with medication ☐ Admitted for >= 1 day, treated with medication ☐ Hospital/ER Cardioversion

SSSQ5: In the past 6 months, has the patient taken any of the following medications?¹²⁰⁶⁴ (check all that apply)

☐ Amiodarone ☐ Beta Blocker ☐ Digoxin ☐ Diltiazem ☐ Dofetilide ☐ Dronedarone ☐ Flecainide ☐ Mexiletine
☐ Propafenone ☐ Sotalol ☐ Verapamil ☐ None

SSSQ6: In the past 6 months, does the patient feel that their rhythm problem has interfered with how well they are able to work, go to school or play?¹²⁰⁶⁵

☐ No ☐ Yes

SSSQ7: Indicate fate of ablated substrates¹²⁰⁶⁶:

☐ No Recurrence ☐ Confirmed No Recurrence ☐ Possible Recurrence ☐ Probable Recurrence ☐ Confirmed Recurrence

TRANSCATHETER PULMONARY VALVE REPLACEMENT (TPVR) PROCEDURE



Transcatheter Pulmonary Valve (TPV) still in place¹²⁰⁷⁰: ☐ No ☐ Yes

→ If No, Reason TPV is not still in place¹²⁰⁷¹: ☐ Migration ☐ Embolization ☐ Explanted

TPV Reintervention¹²⁰⁷⁵: ☐ No ☐ Yes

→ If Yes, TPV Surgical Reintervention¹²⁰⁷⁶: ☐ No ☐ Yes

→ If Yes, TPV Surgical Reintervention Date¹²⁰⁷⁷: mm / dd / yyyy

→ If Yes, TPV Catheter Reintervention¹²⁰⁷⁸: ☐ No ☐ Yes

→ If Yes, TPV Catheter Reintervention Date¹²⁰⁷⁹: mm / dd / yyyy

→ If Yes, Reason for TPV Reintervention¹²⁰⁸⁰: ☐ Stenosis ☐ Pulmonary Regurgitation ☐ Endocarditis ☐ Other

Endocarditis¹²⁰⁹⁰: ☐ No ☐ Yes

→ If Yes, Date of Endocarditis Diagnosis¹²⁰⁹¹: mm / dd / yyyy

→ If Yes, Predisposing Factors for Endocarditis¹²⁰⁹²:

☐ Recent dental work or poor dentition ☐ History of Endocarditis ☐ Other implanted foreign bodies
☐ Other surface injuries/infections ☐ IV drug use

→ If Yes, Treatment¹²⁰⁹³: ☐ Antibiotics ☐ Surgical Explant ☐ Transcatheter reintervention ☐ Other

TRANSCATHETER PULMONARY VALVE (TPV) FUNCTION

Mean gradient across valve/conduit¹²¹⁰⁰: _____ mmHg

Maximum gradient across valve/conduit¹²¹⁰⁵: _____ mmHg

Pulmonary Valve Regurgitation¹²¹¹⁰: ☐ None ☐ 1+ (mild) ☐ 2+ (moderate) ☐ 3+ (moderately severe) ☐ 4+ (severe)