



A. DEMOGRAPHICS

Last Name, First Name, Middle Name, SSN, Patient ID, Other ID, Birth Date, Sex, Patient Zip Code, Race, Hispanic or Latino Ethnicity

B. EPISODE OF CARE

Arrival Date, Insurance Payors, HIC, Fundamental Diagnosis Code, Prior Cardiac Catheterization, Research Study, Premature Birth, Birth Weight, Gestational Age, Prior Cardiac Surgery, Patient Restriction

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

22q11Deletion (DiGeorge Syndrome), Noonan Syndrome, Alagille Syndrome, Rubella, Congenital Diaphragmatic Hernia, Trisomy-13, Down Syndrome, Trisomy-18, Heterotaxy, Turner Syndrome, Marfan Syndrome, Williams-Beuren Syndrome

HISTORY & RISK FACTORS

Arrhythmia, Arrhythmia History (Atrial Fibrillation, AV conduction disturbance, Inappropriate sinus tachycardia, Macro re-entrant atrial tachycardia, Supraventricular tachycardia, Wolff-Parkinson-White syndrome, Atrial premature complexes, AV re-entrant tachycardia, Isolated ventricular pre-excitation, Permanent junctional reciprocating tachycardia, Sinus node dysfunction, Wide complex tachycardia, AV node re-entry, Focal atrial tachycardia, Junctional tachycardia, Premature ventricular complexes, Ventricular tachycardia)



B. EPISODE OF CARE (CONT.)

HISTORY & RISK FACTORS

Cardiomyopathy³¹⁷⁰: No Yes

→If Yes, Cardiomyopathy History³¹⁷⁵:

Arrhythmogenic right ventricular cardiomyopathy
 Noncompaction of the ventricular myocardium

Dilated cardiomyopathy (DCM)
 Restrictive cardiomyopathy (RCM)

Hypertrophic cardiomyopathy (HCM)
 Tachycardia-induced cardiomyopathy

Chronic Lung Disease³²⁰⁰: No Yes

Heart Transplant³²²⁴: No Yes

Coagulation Disorder³²⁰⁵: No Yes

Hepatic Disease³²²⁵: No Yes

→If Yes, Hypercoagulable State³²¹⁰: No Yes

Ischemic Heart Disease³²²⁶: No Yes

→If Yes, Hypocoagulable State³²¹⁵: No Yes

Kawasaki Disease³²²⁷: No Yes

Diabetes Mellitus³²²⁰: No Yes

Renal Insufficiency³²³⁰: No Yes

Endocarditis³²²¹: No Yes

Rheumatic Heart Disease³²³¹: No Yes

Heart Failure³²²²: (w/in 1 month) No Yes

Seizure Disorder³²³⁵: No Yes

→If Yes, NYHA Class³²²³:
 Class I Class II Class III Class IV

Sickle Cell Anemia³²⁴⁰: No Yes

Stroke³²⁵⁰: (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 Drawn⁴⁰¹⁶ Creatinine⁴⁰²⁰: _____ mg/mL Not Drawn⁴⁰²¹
O₂ Sat⁴⁰²⁵: _____ %

Pre-Procedure Conditions: Single Ventricle⁴⁰²⁶: No Yes

Necrotizing Enterocolitis⁴⁰³⁰: (if < 30 days old) No Yes

Sepsis⁴⁰³⁵: No Yes

If Sex²⁰⁶⁰ is 'Female', Pregnant⁴⁰⁴⁰: No Yes

Pre-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)⁵⁰⁰⁹

Specific 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 ICU

Procedure 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 Yes Second Attending participating in the Procedure⁵⁰³⁷: O No O Yes

Procedure Start Date/Time^{5047, 5048}: mm / dd / yyyy HH:MM Procedure 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 Yes

Sedation Method⁵⁰⁷⁰: O General Anesthesia O Epidural O Caudal O IV O IM O Oral/Intranasal O None

Airway Management⁵⁰⁷¹: O No O Yes
->If Yes, (check all that apply)
Laryngeal mask airway⁵⁰⁷⁶ Tracheostomy⁵⁰⁷⁷ Bag mask ventilation⁵⁰⁷⁸ CPAP⁵⁰⁷⁹
Elective intubation⁵⁰⁸⁰ Previously intubated⁵⁰⁸¹

Access 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

->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

Systemic Heparinization⁵¹⁴⁰: O No O Yes
->If Yes, ACT Monitored⁵¹⁴⁵: O No O Yes
->If Yes, ACT Peak⁵¹⁵⁰: _____ secs
Inotrope⁵¹⁶⁰: 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 only

ECMO Use⁵¹⁷⁰: O Not used O In place at start of procedure O Electively initiated during procedure
LVAD Use⁵¹⁷⁵: O Not used O In place at start of procedure O Electively initiated during procedure
IABP Use⁵¹⁸⁰: O Not used O In place at start of procedure O Electively initiated during procedure

FLUOROSCOPY

X-Ray Imaging⁵⁵⁰⁰: O Single Plane O Biplane Contrast Volume⁵¹³⁵: _____ mL

CODE ALL AVAILABLE MEASUREMENTS:
Fluoro Time⁵¹³⁰: _____ minutes
-> Cumulative Air Kerma^{5515, 5520}: _____ O mGy O Gy
Dose Area Product^{5525, 5530}: _____ O Gy-cm² O dGy-cm² O cGy-cm² O mGy-cm² O uGy-M²



E. HEMODYNAMICS (COMPLETE FOR EACH CATH LAB VISIT)

Systemic Arterial Saturation⁶⁰⁰⁰: _____ % Not Assessed⁶⁰⁰¹

Mixed Venous Saturation⁶⁰⁰⁵: _____ % Not Assessed⁶⁰⁰⁶

Systemic Ventricular Systolic Pressure⁶⁰¹⁰: _____ mmHg Not Assessed⁶⁰¹¹

Systemic Ventricular End Diastolic Pressure⁶⁰¹⁵: _____ mmHg Not Assessed⁶⁰¹⁶

Systemic Blood Pressure: (Systolic)⁶⁰²⁰: _____ mmHg Not Assessed⁶⁰²¹ (Mean)⁶⁰³⁰: _____ mmHg Not Assessed⁶⁰³¹
 (Diastolic)⁶⁰²⁵: _____ mmHg Not Assessed⁶⁰²⁶

PA Pressure: (Systolic)⁶⁰³⁵: _____ mmHg Not Assessed⁶⁰³⁶ (Mean)⁶⁰⁴⁰: _____ mmHg Not Assessed⁶⁰⁴¹

Pulmonary Ventricular Systolic Pressure⁶⁰⁴⁵: _____ mmHg Not Assessed⁶⁰⁴⁶

Pulmonary Vascular Resistance Index⁶⁰⁵⁰: _____ Wood Units*m² Not Assessed⁶⁰⁵¹

Cardiac Index⁶⁰⁵⁵: _____ L/min/m² Not Assessed⁶⁰⁵⁶ Qp/Qs ratio⁶⁰⁶⁰: _____ Not Assessed⁶⁰⁶¹

F. ASD CLOSURE

Primary Procedure Indication⁷⁰⁰⁰: Right ventricular volume overload Chronic lung disease Failure to thrive
 Recurrent respiratory infections Ventilator dependent Cyanosis
 Stroke prevention Migraines Pulmonary hypertension

Total Septal Length⁷⁰⁰⁵: _____ mm Not Assessed⁷⁰⁰⁶ Atrial Septal Aneurysm Present⁷⁰¹⁰: No Yes

DEFECT COUNTER ⁷⁰²⁰	1	2	3
ASD Multi-Fenestrated ⁷⁰²² : →If No, ASD Size ⁷⁰²⁵ : _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ mm
Balloon Sizing Performed ⁷⁰³⁰ : →If Yes, Stretched Diameter Performed ⁷⁰³⁵ : →If Yes, Size ⁷⁰⁴⁰ : _____ mm →If Yes, Stop Flow Technique Performed ⁷⁰⁴⁵ : →If Yes, Size ⁷⁰⁵⁰ : _____ mm	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes _____ mm <input type="radio"/> No <input type="radio"/> Yes _____ mm	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes _____ mm <input type="radio"/> No <input type="radio"/> Yes _____ mm	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes _____ mm <input type="radio"/> No <input type="radio"/> Yes _____ mm
Rim Measurement Performed ⁷⁰⁵⁵ : →If Yes, IVC Rim Length ⁷⁰⁶⁰ : _____ mm →If Yes, Minimum Aortic Rim Length ⁷⁰⁶⁵ : _____ mm →If Yes, Posterior Rim Length ⁷⁰⁶⁶ : _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ mm _____ mm _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ mm _____ mm _____ mm	<input type="radio"/> No <input type="radio"/> Yes _____ 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 Indication 7100:
O Abnormal ventricular function
O High resting gradient
O Congestive heart failure
O Angiographic appearance
O Exercise hypertension
O Pseudoaneurysm
O Systemic hypertension

Nature of simple discrete coarctation (One site of intervention) 7101:
O Native
O Post Treatment
->If Post Treatment, Most Recent Prior Treatment 7102:
O Surgical Repair
O Catheter-based Intervention

Pre-Procedure Minimal Diameter 7107: _____ mm
[] Not Assessed 7108

Pre-Procedure Peak Systolic Gradient 7110: _____ mmHg
[] Not Assessed 7111

Post-Procedure Minimal Diameter 7120: _____ mm
[] Not Assessed 7121

Post-Procedure Peak Systolic Gradient 7125: _____ mmHg
[] Not Assessed 7124

Coarctation with additional associated aortic obstruction 7126:
O No
O Yes
->If Yes, Additional intervention on aortic arch 7127:
O No
O Yes
->If Yes, Pre-Procedure Total ascending to descending Aortic Systolic Gradient 7128: _____ mmHg
->If Yes, Post-Procedure Total ascending to descending Aortic Systolic Gradient 7129: _____ mmHg

Table with 4 columns: DEVICE COUNTER 7130, 1, 2, 3. Rows include Device ID 7135, Device Type 7140, and various procedural details like Purpose 7145, Max Inflation Pressure 7150, Outcome 7155, and In Stent Minimal Diameter 7164/7165.



H. AORTIC VALVULOPLASTY

Primary Procedure Indication 7200: O Aortic stenosis gradient O Abnormal stress test/EKG
O LV dysfunction O Symptoms

Valve Morphology 7205: O Unicuspid O Bicuspid O Tricuspid O Quadracuspid O Uncertain

Pre-Procedure Aortic Valve Regurgitation 7210: O None O 1+ (mild) O 2+ (moderate) O 3+ (moderately severe) O 4+ (severe)

Aortic Valve Diameter 7215: (used to select balloon) _____ mm Pre-Procedure Peak Systolic Gradient 7220: _____ mmHg

Table with 4 columns: BALLOON COUNTER 7231, 1, 2, 3. Rows include Balloon Technique 7236, Balloon Stabilization 7243, Max Inflation Pressure 7244, Balloon Outcome 7256, Post Dilatation Systolic Gradient 7257, and Post Dilatation Regurgitation 7258.

I. PULMONARY VALVULOPLASTY

Primary Procedure Indication 7400: O High resting gradient O R to L shunting O RV dysfunction O Symptoms

Valve Morphology 7405: O Typical O Dysplastic/Complex Subpulmonary Stenosis Present 7410: O No O Yes

Pulmonary Valve Diameter 7415: (used to select balloon) _____ mm

Pre-Procedure Peak Systolic Gradient 7420: _____ mmHg O Not Assessed 7421

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

->If Single or Double, Device ID Balloon 1 7525: _____

->If Double, Device ID Balloon 2 7530: _____

Balloon Stabilization 7535: O No O Yes

Max Inflation Pressure 7540: _____ atm(s)

Balloon Outcome 7545: O Inflated with rupture O Inflated without rupture

Post-Procedure Peak Systolic Gradient 7550: _____ mmHg O Not Assessed 7551

J. PDA CLOSURE

Primary Procedure Indication 7600: O SBE prevention O Left ventricular volume overload O Pulmonary hypertension

PDA Diameter Aortic Side 7605: _____ mm PDA Minimum Luminal Diameter 7610: _____ mm PDA Length 7615: _____ mm

PDA Classification 7620: O Type A (conical) O Type B (window) O Type C (tubular) O Type D (complex) O Type E (elongated)

PA Obstruction 7630: (caused by implant) O No O Yes O Not Assessed

Aortic Obstruction 7635: (caused by implant) O No O Yes O Not Assessed

Residual Shunt 7640: (immed after device placement) O None to trivial O Significant

Table with 2 columns: Device(s) 7645, Outcome of Device 7650. Rows 1, 2, 3.



K. PROXIMAL PULMONARY ARTERY STENTING PROCEDURE

Primary Procedure Indication 7700: O PA gradient O RV hypertension/dysfunction O Pulmonary regurgitation
O PA flow discrepancy O Angiographic narrowing

Table with 4 columns: DEFECT COUNTER 7705, 1, 2, 3. Rows include Defect Location 7710, Distal Obstruction Present 7720, Sidebranch Jailing 7725, and various 'If Yes' scenarios with sub-questions.

PRE-PROCEDURE MEASUREMENTS (TO PA DEFECT)

Table with 4 columns for measurements. Rows include Proximal Systolic Pressure 7745, Distal Systolic Pressure 7750, Proximal Mean Pressure 7755, Distal Mean Pressure 7760, Proximal Diameter 7765, Distal Diameter 7770, and PA Vessel Diameter Minimum 7775.

POST-PROCEDURE MEASUREMENTS (TO PA DEFECT)

Table with 4 columns for measurements. Rows include Proximal Systolic Pressure 7785, Distal Systolic Pressure 7790, Proximal Mean Pressure 7795, Distal Mean Pressure 7800, Proximal Diameter 7805, Distal Diameter 7810, and PA Vessel Diameter in Stent Minimum 7815.

Table with 3 columns: Device(s) 7820, Associated Defect(s) 7824, Outcome of Device 7825. Rows 1, 2, and 3.



L. ELECTROPHYSIOLOGY PROCEDURE

Primary Procedure Indication 10000: O Evaluation of specific arrhythmia O Evaluation of event or symptoms suggesting arrhythmia
O Evaluation of prior antiarrhythmic treatment O Evaluation of risk for ventricular tachyarrhythmia
O Preoperative evaluation

PRIOR ELECTROPHYSIOLOGY HISTORY

History of Congenital Heart Disease 10005: O No structural heart disease or trivial, unoperated congenital heart disease
O Repaired functionally two-ventricle congenital heart disease
O Repaired tetralogy of Fallot and tetralogy-like variants
O Transposition of the great arteries following atrial-level (Mustard or Senning) palliation
O Fontan palliation of functionally univentricular heart
O Pre-Fontan palliation of functionally univentricular heart
O Unoperated acyanotic congenital heart disease
O Unoperated cyanotic congenital heart disease

Previous EP Therapy Attempted 10010: O No O Yes
->If Yes, EP therapy(ies) attempted: O Catheter Ablation 10011 O Pharmacologic Therapy 10012 O Chemical cardioversion 10013
(check all that apply) O DC cardioversion 10014 O Pacemaker insertion 10015 O ICD insertion 10016
O Arrhythmia surgery 10017
->If Catheter Ablation, Number of prior ablation procedures 10018: _____

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

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

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

O Every day O At least once per week O At least once per month O 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

O Palpitations O Chest pain O Shortness of breath O Dizziness O Fatigue O Fainting O 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

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

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

O Amiodarone O Beta Blocker O Digoxin O Diltiazem O Dofetilide O Dronedarone O Flecainide O Mexiletine
O Propafenone O Sotalol O Verapamil O 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 O No O Yes

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

Tachyarrhythmias Observed during EP Study 10040: (check all that apply)

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

Sedation Medication 10065: O Cisatracurium O Desflurane O Dexmedetomidine O Fentanyl O Isoflurane O Ketamine
(check all that apply) O Midazolam O Morphine O Nitrous oxide O Propofol O Remifentanyl O Rocuronium
O Sevoflurane O Succinylcholine O Vecuronium



L. ELECTROPHYSIOLOGY PROCEDURE (CONT.)

Imaging System(s) Used 10070: (check all that apply)
[] CARTO 3 [] CARTO XP [] CARTO Sound [] ICE [] Ensite NavX
[] Velocity NavX [] EnSite Balloon Array [] Velocity Balloon Array [] TEE [] None

ABLATION PROCEDURE

Table with 3 columns: Ablation Target Counter 10075, Indications for Ablation 10080, Approach to Ablation Target 10085, Targeted ablation substrate 10090, Ablation Target Location ID 10095, Methods to localize ablation target 10100, Ablation Attempted 10105. Each row contains checkboxes for various clinical options.



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 antegrade 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 antegrade 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 anterograde 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	Number of Ablation Activations ¹⁰¹³⁵
1		_____ , _____ , _____		
2		_____ , _____ , _____		
3		_____ , _____ , _____		



M. 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 Index ¹¹⁰³³ : _____ ml/m ²	RVESV Index ¹¹⁰³⁴ : _____ ml/m ²
LVEDV Index ¹¹⁰³⁵ : _____ ml/m ²	LVESV Index ¹¹⁰³⁶ : _____ ml/m ²

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 size**¹¹⁰⁸¹: _____ mm

→If Yes, **Maximum Balloon size**¹¹⁰⁸²: _____ mm

→If Yes, **Highest pressure inflation performed**¹¹⁰⁸³: _____ atm(s)

New Pre-Stent implanted¹¹⁰⁸⁵: No Yes

→If Yes, **Number of new stents**¹¹⁰⁸⁶: _____

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 TPV**¹¹¹⁰¹ : No Yes

→If Yes, **Final Balloon size**¹¹¹⁰² : _____ mm

→If Yes, **Final Balloon Pressure**¹¹¹⁰³ : _____ atm(s)

→If Yes, **Post-Procedure Peak RVOT gradient**¹¹¹⁰⁵: _____ mmHg

→If Yes, **Post-Procedure Pulmonary Valve Regurgitation**¹¹¹¹⁰:

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

→If Yes, **Final minimal diameter of valve**¹¹¹¹⁵ : _____ mm

→If No, **Reason TPV not deployed**¹¹¹²⁰:

- Not indicated based on invasive hemodynamics
- Coronary artery compression risk
- Pre-stent implanted, planned TPVR at a later date
- Other
- Other treatment performed instead with adequate result
- Valve could not be advanced to implant location
- Patient unstable
- Complication before deployment
- No treatable landing zone

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

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

Echocardiogram¹¹¹⁴⁰: No Yes

→If Yes, **Mean gradient across valve/conduit**¹¹¹⁴⁵: _____ mmHg

→If Yes, **Maximum gradient across valve/conduit**¹¹¹⁵⁰: _____ mmHg

→If Yes, **Pulmonary Valve Regurgitation**¹¹¹⁵⁵: None 1+ (mild) 2+ (moderate) 3+ (moderately severe) 4+ (severe)



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

Cardiac Arrest ⁸⁰⁰⁰ :	<input type="radio"/> No <input type="radio"/> Yes	Bleeding Event ⁸⁰⁹⁰ :	<input type="radio"/> No <input type="radio"/> Yes
Arrhythmia ⁸⁰⁰⁵ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Bleeding at Access Site ⁸⁰⁹⁵ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, AV Block ⁸⁰⁰⁶ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Hematoma at Access Site ⁸¹⁰⁰ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Spontaneously resolved ⁸⁰⁰⁷ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Retroperitoneal Bleeding ⁸¹¹⁰ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Antiarrhythmic Medication ⁸⁰¹⁰ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, GI Bleed ⁸¹¹⁵ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Cardioversion ⁸⁰¹⁵ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, GU Bleed ⁸¹²⁰ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Temporary Pacemaker ⁸⁰²⁰ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Other Bleed ⁸¹²⁵ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Permanent Pacemaker ⁸⁰²⁵ :	<input type="radio"/> No <input type="radio"/> Yes	RBC Transfusion ⁸¹³⁰ :	<input type="radio"/> No <input type="radio"/> Yes
New Heart Valve Regurgitation ⁸⁰³⁰ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Drop in Hgb ≥ 3 ⁸¹³¹ :	<input type="radio"/> No <input type="radio"/> Yes
Tamponade ⁸⁰³⁵ : (req pericardial drainage)	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Anemia prior to Cath Procedure ⁸¹³² :	<input type="radio"/> No <input type="radio"/> Yes
Air Embolus ⁸⁰⁴⁰ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Post-operative Blood Loss ⁸¹³³ :	<input type="radio"/> No <input type="radio"/> Yes
Embolic Stroke ⁸⁰⁴⁵ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, ECMO Blood Replacement ⁸¹³⁴ :	<input type="radio"/> No <input type="radio"/> Yes
Device Malposition or Thrombus ⁸⁰⁵⁰ :	<input type="radio"/> No <input type="radio"/> Yes	Other Vascular Complications Req Rx ⁸¹⁴⁰ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Catheterization ⁸⁰⁵¹ :	<input type="radio"/> No <input type="radio"/> Yes	Other Events ⁸¹⁴⁵ : (optional)	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Surgery ⁸⁰⁵² :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, select Event(s) ⁸¹⁵⁰ from list: _____, _____, _____	
Device Embolization ⁸⁰⁵⁵ : (req device retrieval)	<input type="radio"/> No <input type="radio"/> Yes	Peripheral Nerve Injury ⁸²⁰⁰ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Catheterization ⁸⁰⁶⁰ :	<input type="radio"/> No <input type="radio"/> Yes	Phrenic Nerve Paralysis ⁸²⁰⁵ :	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Retrieved via Surgery ⁸⁰⁶⁵ :	<input type="radio"/> No <input type="radio"/> Yes	Pneumothorax ⁸²¹⁰ :	<input type="radio"/> No <input type="radio"/> Yes
New Requirement for Dialysis ⁸⁰⁷⁰ :	<input type="radio"/> No <input type="radio"/> Yes	Pulmonary Embolism ⁸²¹⁵ :	<input type="radio"/> No <input type="radio"/> Yes
Coronary Artery Compression ⁸⁰⁷¹ :	<input type="radio"/> No <input type="radio"/> Yes	Pulmonary Vein Stenosis ⁸²²⁰ :	<input type="radio"/> No <input type="radio"/> Yes
Erosion ⁸⁰⁷² :	<input type="radio"/> No <input type="radio"/> Yes	Radiation Burn to Skin ⁸²²⁵ :	<input type="radio"/> No <input type="radio"/> Yes
Esophageal Fistula ⁸⁰⁷³ :	<input type="radio"/> No <input type="radio"/> Yes	Deep Vein Thrombosis ⁸²³⁰ :	<input type="radio"/> No <input type="radio"/> Yes
LBBB ⁸⁰⁷⁴ :	<input type="radio"/> No <input type="radio"/> Yes	Conduit Tear ⁸²³⁵ :	<input type="radio"/> No <input type="radio"/> Yes
RBBB ⁸⁰⁷⁶ :	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Location ⁸²³⁶ :	
Airway Event Requiring Escalation of Care ⁸⁰⁷⁵ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Confined or therapeutic tear without hemodynamic change	
Event Requiring ECMO ⁸⁰⁸⁰ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Rupture into pericardial or pleural space	
Event Requiring LVAD ⁸⁰⁸⁵ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> Rupture into bronchus, cardiac chamber, aorta, or other vessel	
		→If Yes, Treatment ⁸²³⁷ : (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 Surgery ⁸¹⁵⁵ :	<input type="radio"/> No <input type="radio"/> Yes	Unplanned Other Surgery ⁸¹⁷⁰ :	<input type="radio"/> No <input type="radio"/> Yes
Unplanned Cardiac Surgery ⁸¹⁶⁰ : (due to cath complication)	<input type="radio"/> No <input type="radio"/> Yes	→If Yes, Due to Cath Complication ⁸¹⁷⁵ :	<input type="radio"/> No <input type="radio"/> Yes
Unplanned Vascular Surgery ⁸¹⁶⁵ : (due to cath complication)	<input type="radio"/> No <input type="radio"/> Yes	Subsequent Cardiac Cath ⁸¹⁸⁰ : (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:MM

Discharge Date⁹⁰⁰⁰: mm / dd / yyyy

Discharge Status⁹⁰⁰⁵: Alive Deceased

→ If Deceased, Death in Lab⁹⁰¹⁰: No Yes

→ If Deceased, Primary Cause of Death⁹⁰¹⁵:

- Acute myocardial infarction, Sudden cardiac death, Heart failure, Stroke, Cardiovascular procedure, Cardiovascular hemorrhage, Other cardiovascular reason, Pulmonary, Renal, Gastrointestinal, Hepatobiliary, Pancreatic, Infection, Inflammatory/Immunologic, Hemorrhage, Non-cardiovascular procedure or surgery, Trauma, Suicide, Neurological, Malignancy, Other non-cardiovascular reason

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

Assessment Date¹²⁰⁰⁰: mm / dd / yyyy

Reference Procedure Start Date/Time^{12001/12002}: mm / dd / yyyy HH:MM

Method(s) to Determine Status: Office Visit¹²⁰⁰⁵ Medical Records¹²⁰⁰⁶ Letter from Medical Provider¹²⁰⁰⁷
 Phone Call¹²⁰⁰⁸ Social Security Death Master File¹²⁰⁰⁹ Hospitalized¹²⁰¹⁰
 Other¹²⁰¹¹

Follow-up Status¹²⁰¹⁵: Alive Deceased Lost to Follow-up

→ If Deceased, Date of Death¹²⁰²⁰: mm / dd / yyyy

→ If Deceased, Cause of Death¹²⁰²⁵:

- Acute myocardial infarction, Sudden cardiac death, Heart failure, Stroke, Cardiovascular procedure, Cardiovascular hemorrhage, Other cardiovascular reason, Pulmonary, Renal, Gastrointestinal, Hepatobiliary, Pancreatic, Infection, Inflammatory/Immunologic, Hemorrhage, Non-cardiovascular procedure or surgery, Trauma, Suicide, Neurological, Malignancy, 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 Yes

Device Embolization¹²⁰⁴⁵: (req device retrieval) No Yes

→ If Yes, Retrieved via Catheterization¹²⁰⁴⁶: No Yes

→ If Yes, Retrieved via Surgery¹²⁰⁴⁷: No Yes

Endocarditis¹²⁰⁵⁰: 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 Other

Residual 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?

- 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?

- 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)?

- 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?

- 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, Hospital/ER Cardioversion, ER-Treated with medication, Admitted for >= 1 day, treated with medication

SSSQ5: In the past 6 months, has the patient taken any of the following medications? (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?

- No, Yes

SSSQ7: Indicate fate of ablated substrates

- No Recurrence, Confirmed No Recurrence, Possible Recurrence, Probable Recurrence, Confirmed Recurrence

TRANSCATHETER PULMONARY VALVE REPLACEMENT (TPVR) PROCEDURE

Transcatheter Pulmonary Valve (TPV) still in place

- No, Yes

If No, Reason TPV is not still in place

- Migration, Embolization, Explanted

TPV Reintervention

- No, Yes

If Yes, TPV Surgical Reintervention

- No, Yes

If Yes, TPV Surgical Reintervention Date

mm / dd / yyyy

If Yes, TPV Catheter Reintervention

- No, Yes

If Yes, TPV Catheter Reintervention Date

mm / dd / yyyy

If Yes, Reason for TPV Reintervention

- Stenosis, Pulmonary Regurgitation, Endocarditis, Other

Endocarditis

- No, Yes

If Yes, Date of Endocarditis Diagnosis

mm / dd / yyyy

If Yes, Predisposing Factors for Endocarditis

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

If Yes, Treatment

- Antibiotics, Surgical Explant, Transcatheter reintervention, Other

TRANSCATHETER PULMONARY VALVE (TPV) FUNCTION

Mean gradient across valve/conduit

mmHg

Maximum gradient across valve/conduit

mmHg

Pulmonary Valve Regurgitation

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