

IMPACT Registry™

V3.0 Data Collection Form

Electrophysiology study with or without ablation



NCDR®

AMERICAN COLLEGE of CARDIOLOGY®



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DEMOGRAPHICS

Last Name ²⁰⁰⁰ :		First Name ²⁰¹⁰ :		Middle Name ²⁰²⁰ :
Birth Date ²⁰⁵⁰ : mm / dd / yyyy		SSN ²⁰³⁰ : - -		☐ SSN N/A ²⁰³¹
Patient ID ²⁰⁴⁰ : (auto)		Other ID ²⁰⁴⁵ :		
Sex ²⁰⁶⁰ : ☐ Male ☐ Female		Patient Zip Code ²⁰⁶⁵ : _____		☐ Zip Code N/A ²⁰⁶⁶
Race: ☐ White ²⁰⁷⁰ ☐ Black/African American ²⁰⁷¹ ☐ American Indian/Alaskan Native ²⁰⁷³ (Select all that apply) ☐ Asian ²⁰⁷² ☐ Native Hawaiian/Pacific Islander ²⁰⁷⁴ ☐ Middle Eastern/North African ²⁰⁷⁵				
Hispanic or Latino Ethnicity ²⁰⁷⁶ : ☐ No ☐ Yes				

EPISODE OF CARE

Arrival Date/Time ³⁰⁰¹ : mm / dd / yyyy HH:MM	
Health Insurance ³⁰⁰⁵ : ☐ No ☐ Yes → If Yes, Payment Source ³⁰¹⁰ : ☐ Private health insurance ☐ State-specific plan (non-Medicaid) (Select all that apply) ☐ Medicare (Part A or B) ☐ Medicare Advantage (Part C) ☐ Medicaid ☐ Military health care ☐ Indian Health Service ☐ Non-US insurance → If any Medicare, Medicare Beneficiary Identifier ¹²⁸⁴⁶ : _____	
Research Study ³⁰²⁰ : ☐ No ☐ Yes → If Yes, Study Name ³⁰²⁵ , Patient ID ³⁰³⁰ _____, _____	
IMPACT Pathway ¹⁵⁸³⁶ : ☐ Diagnostic or interventional catheterization ☐ Electrophysiology study with or without ablation (Select all that apply) ☐ Cardiovascular implantable electronic device (CIED)	
Primary Diagnosis ¹⁵⁸³⁵ : <u>Select from dynamic list</u>	

HISTORY AND RISK FACTORS

Genetic Condition ¹⁵¹¹³ : ☐ No ☐ Yes		→ If Yes, Condition Name ¹⁵⁰⁴⁸ : <u>Select all that apply from list</u>	
CONDITION HISTORY ¹²⁹⁰³	OCCURRENCE ¹⁵⁵¹⁰	→ If Yes	
Cardiomyopathy	☐ No ☐ Yes	CardiomyopathyType ¹⁵⁰⁵¹ : (Select all that apply) ☐ Arrhythmogenic ☐ Dilated ☐ Hypertrophic ☐ Ischemic ☐ Noncompaction ☐ Restrictive ☐ Tachycardia-induced ☐ Other	
Chronic lung disease	☐ No ☐ Yes	→ If 15835 is not s/p heart transplant, Type ¹⁵³⁹³ : <u>Select from list</u> → If Single Ventricle s/p Fontan, Type ¹⁶⁰³¹ : ☐ RA to PA Fontan ☐ Lateral tunnel Fontan ☐ Extracardiac conduit Fontan ☐ Other	
Coagulation disorder	☐ No ☐ Yes		
Congenital heart disease	☐ No ☐ Yes		
Endocarditis	☐ No ☐ Yes		
Heart failure	☐ No ☐ Yes		
Heart transplant	☐ No ☐ Yes		
PROCEDURE HISTORY ¹²⁹⁰⁵	OCCURRENCE ¹⁵⁵¹¹	→ IF YES	
EP Therapy Attempted	☐ No ☐ Yes	EP Therapy(ies) Received ¹⁵⁴¹⁹ : ☐ Catheter Ablation ☐ CIED ☐ DC cardioversion (Select all that apply) ☐ Pharmacologic therapy ☐ Surgical ablation/arrhythmia surgery ☐ Unknown ¹⁶²⁵⁵	
→ If EP Therapy(ies) Received ¹⁵⁴¹⁹ = Catheter ablation, Prior Catheter Ablation Counter ¹⁶²²³		1	2
Substrate Treated ¹⁶⁰³³ :		<u>Select from list</u>	<u>Select from list</u>
Previous Ablation Target ¹⁶⁰³⁴ :		<u>Select from list</u> , <u>Select from list</u>	<u>Select from list</u> , <u>Select from list</u>
Same Target As Current Procedure ¹⁶⁰⁹⁹ :	☐ No ☐ Yes	☐ No ☐ Yes	

LAB VISIT (COMPLETE FOR EACH LAB VISIT)

Procedures Performed¹⁵⁰⁸¹: (Select all that apply) ☐ EP study without ablation ☐ EP study with ablation

Procedure Room Entry Date/Time¹⁵⁶⁹⁴: MM / DD / YYYY HH:MM **Procedure Start Date/Time**⁷⁰⁰⁰: MM / DD / YYYY HH:MM

Procedure End Date/Time⁷⁰⁰⁵: MM / DD / YYYY HH:MM **Procedure Room Exit Date/Time**¹⁵⁶⁹⁵: MM / DD / YYYY HH:MM

PRE-PROCEDURE (COMPLETE FOR EACH LAB VISIT)

Height¹⁵⁰²⁰: _____ O cm O in **Weight**¹⁵⁰²¹: _____ O kg O g

PRE-PROCEDURE MEDICATIONS (WITHIN THE LAST TWO WEEKS)

MEDICATIONS ¹⁵⁰³²	ADMINISTERED ⁶⁹⁹¹		→ IF YES
	No	YES	
Antiarrhythmic (Any)	☐	☐	
Anticoagulant – DOAC/NOAC	☐	☐	Stopped Prior To Procedure ¹⁶¹⁰⁴ : ☐ No ☐ Yes → If Yes, Number Of Days Stopped For ¹⁶¹⁰⁵ : _____
Anticoagulant - Low Molecular Weight Heparin	☐	☐	Stopped Prior To Procedure ¹⁶¹⁰⁷ : ☐ No ☐ Yes → If Yes, Number Of Days Stopped For ¹⁶¹⁰³ : _____
Anticoagulant - Unfractionated Heparin	☐	☐	
Anticoagulant - Warfarin	☐	☐	Stopped Prior To Procedure ¹⁶¹⁰² : ☐ No ☐ Yes → If Yes, Number Of Days Stopped For ¹⁶¹⁰³ : _____
Anticoagulant - Other	☐	☐	
Antiplatelet (Any)	☐	☐	Stopped Prior To Procedure ¹⁶¹⁰⁰ : ☐ No ☐ Yes → If Yes, Number Of Days Stopped For ¹⁶¹⁰¹ : _____

PRE-PROCEDURE DIAGNOSIS

Pre-Procedure Diagnosis Code(s)¹⁵⁰²²: _____, _____, _____

PROCEDURE INFORMATION

Operator's Name, NPI^{15073, 15074, 15072, 7115, 16237}: _____ Last, First, Middle, NPI _____ Last, First, Middle, NPI _____ Operator Role _____

Fellow Operator Name, NPI, Fellowship Training Program^{15431,15433,15434,15435,15436}: _____ Last, First, Middle, NPI _____

Procedure Status¹⁵⁰⁷¹: ☐ Elective ☐ Urgent ☐ Emergent

Visit Location¹⁵⁸⁵⁵: ☐ Outpatient setting ☐ Inpatient non critical care ☐ Inpatient critical care

Anesthesia Type¹⁵⁹⁹⁹: ☐ General anesthesia ☐ Moderate sedation ☐ Minimal sedation/anxiolysis/local only

→ If General anesthesia, Anesthesia Time¹⁶¹⁶⁵: _____ Minutes ☐ Not Documented¹⁶¹⁶⁶

Anticoagulation⁷²²⁵: ☐ No ☐ Yes

→ If Yes, Anticoagulation Start Time¹⁶⁰⁰¹: ☐ Beginning of procedure ☐ After procedure started

→ If After Procedure Started, Anticoagulation Indication¹⁶⁰⁰²: ☐ For any ablation ☐ Left-sided/Systemic atrium or ventricle access
 (Select all that apply) ☐ For specific equipment (multipole mapping catheter, long sheath)
☐ Other ☐ Not Documented¹⁶²⁴⁴

→ If Yes, Systemic Heparinization¹⁵¹⁰²: ☐ No ☐ Yes **→ If Yes, ACT Peak**¹⁵¹⁰⁴: _____ secs ☐ ACT Not Monitored¹⁵⁸⁵¹

Mechanical Ventricular Support⁷⁴²²: ☐ No ☐ Yes

PROCEDURE INFORMATION

ECG Rhythm At Lab Presentation¹⁶⁰⁰⁰: Select all that apply from list ☐ Not Documented¹⁶²⁴⁷

IMAGING, RADIATION AND CONTRAST

Fluoroscopy Used¹⁵⁸³⁷: ☐ No ☐ Yes

→ If Yes, **Fluoroscopy Time**¹⁶²³³: _____ minutes

→ If Yes, **Cumulative Air Kerma**¹⁶²³⁴: _____ O mGy ☐ Gy (Reference Air Kerma, Cumulative Dose, Reference Point Dose)

→ If Yes, **Dose Area Product**¹⁶²³⁵: _____ O Gy·cm² ☐ dGy·cm² ☐ cGy·cm² ☐ mGy·cm² ☐ μGy·M²

Intracardiac Echocardiogram Used¹⁶²⁵⁴: ☐ No ☐ Yes

→ If Yes, **Intracardiac Echocardiogram Purpose**¹⁶²²⁴: ☐ Electroanatomic Mapping system ☐ Real time catheter manipulation
(Select all that apply) ☐ Transseptal puncture ☐ Other

Transesophageal Echocardiogram¹⁶²³⁸: ☐ No ☐ Yes

ELECTROPHYSIOLOGY STUDY (PROCEDURE PERFORMED¹⁵⁰⁸¹ = EP study without ablation)

Primary Procedure Indication(s)¹⁵³⁹²: ☐ Symptoms ☐ Documented tachyarrhythmia ☐ ECG finding with potential for risk
(Select all that apply) ☐ Assessment of anti-arrhythmic medication treatment ☐ Pre-op evaluation
☐ Post-op evaluation ☐ AV block ☐ Inherited arrhythmia history ☐ Congenital heart disease
☐ Family history ☐ Sudden cardiac arrest ☐ Atrial or ventricular ectopy

→ If Symptoms, **Symptoms Experienced**¹⁶⁰²¹: (Select all that apply) ☐ Palpitations ☐ Syncope or near syncope ☐ Other

→ If ECG Finding With Potential For Risk, **ECG Finding**¹⁶⁰²²: (Select all that apply)

☐ AV block ☐ Brugada pattern ☐ Complex ventricular ectopy/arrhythmia ☐ Pre-excitation
☐ Prolonged QT interval ☐ Other

Final Arrhythmia Diagnosis¹⁶⁰²⁰: Select all that apply from dynamic list ☐ Not Documented¹⁶²⁴⁹

Primary Reason Ablation Not Attempted¹⁵⁴¹³: ☐ Diagnostic only ☐ Pre-op or post-op ☐ Insufficient target or no inducible arrhythmia
☐ Low risk substrate ☐ High risk of collateral damage or complication ☐ Other

Number Diagnostic Catheters Used¹⁶⁰²³: _____

Drug For Provocation Or Diagnostic Purpose¹⁶⁰²⁴: ☐ No ☐ Yes

→ If Yes, **Drug**¹⁶⁰²⁵: (Select all that apply) ☐ Isoproterenol ☐ Adenosine ☐ Epinephrine ☐ Other

Inducible Arrhythmia¹⁶⁰²⁶: ☐ No ☐ Yes

→ If Yes, Inducible Arrhythmia Counter ¹⁶²²²	Induced arrhythmia 1	Induced arrhythmia 2
Induced Arrhythmia Type ¹⁶⁰²⁷ :	☐ Sustained ☐ Nonsustained	☐ Sustained ☐ Nonsustained
Induced Arrhythmia Location ¹⁶⁰²⁸ : (Select all that apply)	☐ Supraventricular ☐ Ventricular	☐ Supraventricular ☐ Ventricular
→ If Supraventricular, Supraventricular Arrhythmia ¹⁶⁰²⁹ : (Select all that apply)	☐ Atrial fibrillation ☐ Atrial flutter ☐ Focal atrial tachycardia ☐ Antidromic reciprocating tachycardia (ART) ☐ AV nodal reentrant tachycardia ☐ Junctional tachycardia ☐ Orthodromic reciprocating tachycardia ☐ PACs ☐ Indeterminate or other	☐ Atrial fibrillation ☐ Atrial flutter ☐ Focal atrial tachycardia ☐ Antidromic reciprocating tachycardia (ART) ☐ AV nodal reentrant tachycardia ☐ Junctional tachycardia ☐ Orthodromic reciprocating tachycardia ☐ PACs ☐ Indeterminate or other
→ If Ventricular, Ventricular Arrhythmia Type ¹⁶⁰³⁰ : (Select all that apply)	☐ Monomorphic VT ☐ Polymorphic VT ☐ Ventricular fibrillation ☐ PVCs	☐ Monomorphic VT ☐ Polymorphic VT ☐ Ventricular fibrillation ☐ PVCs

PROCEDURE INFORMATION

ABLATION INFORMATION (Procedure Performed¹⁵⁰⁸¹ = EP study with ablation)

Targeted Substrate¹⁵⁴⁰⁹: (Select all that apply)

☐ Wolff-Parkinson-White (WPW)	☐ Concealed accessory pathway/ Permanent Junctional Reciprocating Tachycardia
☐ AV nodal reentrant tachycardia (AVNRT)	☐ Focal atrial tachycardia
☐ Macroreentrant atrial tachycardia	☐ Ventricular arrhythmias (PVCs, VT, VF)
☐ Junctional tachycardia	☐ Other

WOLFF-PARKINSON-WHITE SYNDROME (INCLUDE ALL PRE-EXCITATION SYNDROMES) (TARGETED SUBSTRATE¹⁵⁴⁰⁹ = WPW)

Pre-procedure Indication¹⁵⁹⁶⁸: (Select all that apply)

☐ Symptoms	☐ Risk assessment/treatment	☐ Dyssynchrony CM	☐ Pre-op
☐ Sudden cardiac arrest/Pre-excited AFib	☐ Drug refractory or side effects		
☐ Documented Arrhythmia	☐ Other		

→ **If Symptoms, Symptoms**¹⁵⁹⁶⁷: (Select all that apply)

☐ Palpitations	☐ Arrhythmic syncope	☐ Other
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Risk Assessment Performed¹⁵⁹⁷⁰: ☐ No ☐ Yes

→ **If Yes, Assessments Used**¹⁵⁹⁷¹: (Select all that apply)

☐ AP BCL	☐ APERP	☐ AF/SPERRI
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PROCEDURE (ABLATION COUNTER¹⁶²²⁷**: REPEAT FOR PATHWAY ABLATED)**

Targeted Substrate¹⁶²²⁵: ☐ Bidirectional WPW ☐ Antegrade only WPW ☐ Unidirectional antegrade decremental pathway (Mahaim)

Inducible Arrhythmia¹⁵⁹⁷²: ☐ Orthodromic reciprocating tachycardia (ORT) ☐ Antidromic reciprocating tachycardia (ART)

☐ Sustained atrial flutter / fibrillation ☐ None ☐ Other

Isoproterenol¹⁵⁹⁷³: ☐ No ☐ Yes

→ **If Yes, Indication For Isoproterenol**¹⁶²²⁶: (Select all that apply)

☐ Induction of arrhythmia	☐ Risk assessment	☐ Other
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Location¹⁵⁹⁷⁴: Select all that apply from list Select all sites that apply within the same anatomical region. If more than one anatomical location is ablated, add a new ablation pathway (16227)

Outcome¹⁵⁹⁷⁵: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

CONCEALED ACCESSORY PATHWAY AND PERMANENT JUNCTIONAL RECIPROCATING TACHYCARDIA

(TARGETED SUBSTRATE¹⁵⁴⁰⁹ = CONCEALED ACCESSORY PATHWAY / PERMANENT JUNCTIONAL RECIPROCATING TACHYCARDIA)

Pre-procedure Indication¹⁵⁹⁵⁸: (Select all that apply)

☐ Symptoms	☐ Documented arrhythmia	☐ HF/Ventricular dysfunction	☐ Other
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PROCEDURE (ABLATION COUNTER¹⁶²²⁸**: REPEAT FOR PATHWAY ABLATED)**

Inducible Arrhythmia¹⁵⁹⁶⁰: ☐ Orthodromic reciprocating tachycardia (ORT) ☐ Atrial fibrillation ☐ None ☐ Other

Targeted Ablation Substrate¹⁵⁹⁶¹: ☐ Concealed accessory pathway ☐ Permanent Junctional Reciprocating Tachycardia (PJRT)

Location¹⁵⁹⁶²: Select all that apply from list

Outcome¹⁵⁹⁶³: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

AV NODAL REENTRANT TACHYCARDIA (AVNRT) (TARGETED SUBSTRATE¹⁵⁴⁰⁹ = AV NODAL REENTRANT TACHYCARDIA)

Pre-procedure Indication¹⁵⁹⁸¹: (Select all that apply) ☐ Symptoms ☐ Documented arrhythmia ☐ Other

PROCEDURE (ABLATION COUNTER¹⁵⁴⁰⁶: REPEAT FOR EACH TARGET ABLATED)

Inducible Arrhythmia¹⁵⁹⁸²: (Select all that apply) ☐ Slow-fast AVNRT ☐ Fast-slow AVNRT ☐ Slow-slow AVNRT ☐ Other AVNRT
☐ Dual AV node physiology without AVNRT ☐ No Inducible Arrhythmia¹⁶²⁵⁸

→ For Inducible Arrhythmia, **Isoproterenol Necessary For Induction¹⁵⁹⁸³:** ☐ No ☐ Yes

Targeted Ablation Substrate¹⁵⁹⁸⁴: ☐ AVN fast pathway ☐ AVN slow pathway right inferior extension
☐ AVN slow pathway left inferior extension ☐ AVN other/unspecified

→ For AVN Slow pathway, **Location¹⁵⁹⁸⁵:** ☐ Right inferior extension in Triangle of Koch ☐ Left inferior extension via coronary sinus
☐ Left inferior extension via left atrium ☐ Other

Mapping¹⁵⁹⁸⁶: (Select all that apply) ☐ Signal morphology ☐ Anatomic ☐ Slow pathway potential ☐ Voltage ☐ Activation ☐ Other

Junctional Acceleration Observed During Any Ablation Energy Application¹⁵⁹⁸⁷: ☐ No ☐ Yes ☐ Not applicable

Outcome¹⁵⁹⁸⁸: ☐ Successful – no slow pathway/dual AV node physiology present
☐ Successful – no slow pathway/dual AV node physiology present but with single echos
☐ Successful – slow pathway/dual AV node physiology present without echos
☐ Successful – slow pathway/dual AV node physiology present with up to one echo
☐ Unsuccessful
☐ Indeterminant

Isoproterenol Used For Post-Ablation Testing¹⁵⁹⁸⁹: ☐ No ☐ Yes

FOCAL ATRIAL TACHYCARDIA (TARGETED SUBSTRATE¹⁵⁴⁰⁹ = FOCAL ATRIAL TACHYCARDIA)

Pre-procedure Indication¹⁵⁹⁷⁶: (Select all that apply) ☐ Symptoms ☐ Documented arrhythmia ☐ Other

PROCEDURE (ABLATION COUNTER¹⁶²²⁹: REPEAT FOR EACH TARGET ABLATED)

Inducible Arrhythmia¹⁵⁹⁷⁷: ☐ No ☐ Yes

→ If Yes, **Isoproterenol Necessary For Induction¹⁵⁹⁷⁸:** ☐ No ☐ Yes

Location¹⁵⁹⁷⁹: (Select all that apply) ☐ Right atrium ☐ Left atrium ☐ Aortic coronary cusp
☐ Coronary sinus/Middle coronary vein ☐ Other

Methods Used to Localize¹⁵⁴¹¹: (Select all that apply) ☐ Activation ☐ Anatomic ☐ High density mapping catheter
☐ Pace mapping ☐ Other ☐ Not Documented/None¹⁶²⁵⁰

Outcome¹⁵⁹⁸⁰: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

MACROREENTRANT ATRIAL TACHYCARDIA (TARGETED SUBSTRATE¹⁵⁴⁰⁹ = MACROREENTRANT ATRIAL TACHYCARDIA)

PRE-PROCEDURE

Pre-procedure Indication¹⁶⁰⁶⁹: (Select all that apply) ☐ Symptoms (within the last 6 months) ☐ Failure of medical therapy ☐ Medication intolerance
☐ Pre-operative ☐ Acute hemodynamic compromise/syncope ☐ Medication declined
☐ Documented arrhythmia ☐ Heart failure ☐ Other

Prior Cardioversion¹⁶¹²⁹: (Within the last 6 months) ☐ No ☐ Yes

→ If Yes, **Cardioversion Method¹⁶⁰⁷⁰:** (Select all that apply) ☐ Pharmacologic ☐ Pace terminated via CIED
☐ Pace terminated via catheter ☐ DC CV

→ If Pace terminated via catheter, **Method¹⁶⁰⁷¹:** ☐ Intracardiac ☐ Transesophageal

If EP Therapies received¹⁵⁴¹⁹ = Surgical ablation/arrhythmia surgery, **Surgical Ablation Type¹⁶⁰⁷²:** ☐ Localized/site specific ☐ Right Maze
(Select all that apply) ☐ Left Maze ☐ Bilateral Maze

Ejection Fraction Assessed¹⁶⁰⁷⁴: ☐ No ☐ Yes – EF% ☐ Yes - Qualitative interpretation only

→ If Yes – EF%, **Ejection Fraction¹⁶⁰⁷³:** _____ %

→ If Yes - Qualitative, **Interpretation¹⁶⁰⁷⁵:** ☐ Normal ☐ Mildly depressed ☐ Moderately depressed ☐ Severely depressed

Number of Antiarrhythmics¹⁶⁰⁷⁶: (Within the last 6 months) _____

PROCEDURE (ABLATION COUNTER¹⁶²³⁰: COMPLETE FOR EACH CIRCUIT ABLATED)

Inducible Arrhythmia¹⁶⁰⁰⁷: ☐ No ☐ Yes

→ If Yes, **Isoproterenol Necessary For Induction¹⁶⁰⁰⁹:** ☐ No ☐ Yes

→ If Yes, **Method of Induction¹⁶⁰⁰⁸:** ☐ Spontaneous ☐ Catheter manipulation ☐ Pacing

→ If Yes, **Mapping¹⁶⁰¹¹:** (Select all that apply) ☐ Activation ☐ Anatomic ☐ Entrainment ☐ Pace map ☐ Voltage ☐ Insufficient for mapping
☐ Other ☐ No Mapping Used¹⁶²⁵²

→ If mapping is not Insufficient for mapping, **Mapping System¹⁵⁴⁰⁵:** Select all that apply from device list
☐ Electrophysiology Mapping System Not Used¹⁶²⁵³

→ If mapping is not Insufficient for mapping, **High Density Mapping Catheter¹⁶⁰¹²:** Select all that apply from device list , _____

→ If mapping is not Insufficient for mapping, **Circuit¹⁶⁰¹⁰:** Select all that apply from list

Approach¹⁶⁰¹⁵: ☐ IVC ☐ SVC ☐ Transseptal ☐ Transbaffle ☐ Retrograde aortic ☐ Transhepatic

Outcome¹⁶⁰¹⁷: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

→ If successful or indeterminant, **Assessment of Result¹⁶⁰¹⁸:** (Select all that apply) ☐ Termination during energy application
☐ Conduction block demonstrated across ablation line ☐ Non-inducible

Procedural Imaging Used¹⁶⁰⁷⁷: (Select all that apply) ☐ CT/MRI merge ☐ Transesophageal echo ☐ Intracardiac echo

Isoproterenol Used For Post-Ablation Testing¹⁶⁰¹⁹: ☐ No ☐ Yes

VENTRICULAR ARRHYTHMIAS (PVCs, VENTRICULAR TACHYCARDIA, VENTRICULAR FIBRILLATION)
(TARGETED SUBSTRATE¹⁵⁴⁰⁹ = VENTRICULAR ARRHYTHMIAS (PVCs, VT, VF))

PRE-PROCEDURE

Symptoms¹⁶⁰⁵³: (Select all that apply) ☐ Palpitations ☐ Syncope ☐ Unstable VT/SCA ☐ Heart failure ☐ Asymptomatic

Ejection Fraction Assessed¹⁶⁰³⁸: ☐ No ☐ Yes – EF% ☐ Yes - Qualitative interpretation only

→ If Yes – EF%, **Ejection Fraction**¹⁶⁰³⁹: _____ %

→ If Qualitative, **Interpretation**¹⁶⁰⁴¹: ☐ Normal ☐ Mildly depressed ☐ Moderately depressed ☐ Severely depressed

Ventricular Arrhythmia in the Setting of an Inherited Arrhythmia Syndrome¹⁶⁰⁶⁷: ☐ No ☐ Yes

→If Yes, **Inherited Arrhythmia Syndrome**¹⁶⁰⁶⁸: ☐ Long QT syndrome ☐ Catecholaminergic polymorphic ventricular tachycardia
☐ Arrhythmogenic cardiomyopathy ☐ Brugada syndrome ☐ Other

VENTRICULAR ARRHYTHMIA PROCEDURE INFORMATION (ABLATION COUNTER¹⁶²³¹: COMPLETE FOR EACH CIRCUIT OR TARGET ABLATED)

Inducible Arrhythmia¹⁶⁰⁵⁷: ☐ PVC's ☐ Non-sustained monomorphic VT ☐ Non-sustained polymorphic VT
(Select all that apply) ☐ Sustained monomorphic VT ☐ Sustained polymorphic VT ☐ Ventricular fibrillation

Ventricular Arrhythmia Mechanism¹⁶⁰⁵⁸: ☐ Focal ☐ Reentrant ☐ Unknown

→If Focal, **Arrhythmia Location**¹⁶⁰⁵⁹: ☐ Outflow right ☐ Outflow left ☐ Aortic coronary cusp ☐ LV fascicular ☐ RV not outflow
(Select all that apply) ☐ LV not outflow or fascicular ☐ Single ventricle or other unknown ventricle morphology

→If Single ventricle or Unknown Morphology, **Arrhythmia Mechanism**¹⁶⁰⁶⁰: (Select all that apply) ☐ Incisional ☐ Scar based ☐ Other

→If Reentrant, **Reentrant Mechanism Location**¹⁶⁰⁶¹: (Select all that apply) ☐ LV ☐ LV fascicular ☐ RV

→If Reentrant, **TOF or TOF Variant**¹⁶⁰⁶²: ☐ No ☐ Yes

→If Yes, **TOF Reentrant Mechanism Locations**¹⁶⁰⁶³: ☐ Tricuspid annulus and scar/patch in the anterior right ventricular outflow isthmus
(Select all that apply) ☐ Pulmonary annulus and right ventricular free wall scar/patch isthmus
☐ Pulmonary annulus and septal scar/patch isthmus
☐ Septal scar/patch and tricuspid annulus isthmus
☐ Other

→If No, **Reentrant Ventricular Arrhythmia Origin**¹⁶⁰⁶⁴: ☐ RV ☐ LV ☐ Single ventricle/unknown ventricular morphology

→If RV, **Reentrant Mechanism in Right Ventricle**¹⁶⁰⁶⁵: (Select all that apply) ☐ Incisional ☐ Scar based ☐ Other

→If LV, **Reentrant Mechanism in Left Ventricle**¹⁶⁰⁶⁶: (Select all that apply) ☐ Incisional ☐ Scar based ☐ Other

Procedural Imaging Used¹⁶⁰⁴³: (Select all that apply) ☐ CT/MRI merge ☐ Transesophageal echo ☐ Intracardiac echo

Isoproterenol Necessary For Induction¹⁶⁰⁵²: ☐ No ☐ Yes

Method of Induction¹⁶⁰⁴⁴: ☐ Spontaneous ☐ Catheter manipulation/Placement ☐ Programmed stimulation
(Select all that apply) ☐ VF only ☐ None or Insufficient PVC Burden or Tachycardia to Map¹⁶²⁵⁶

Mapping¹⁶⁰⁴⁵: (Select all that apply) ☐ Activation ☐ Anatomic ☐ Entrainment ☐ Pace map ☐ Voltage ☐ Other ☐ None¹⁶²⁵¹

→ If mapping, **Mapping System**¹⁶⁰⁴⁶: Select from device list

→ If mapping, **High Density Mapping Catheter Used**¹⁶⁰⁴⁷: Select from device list

Outcome¹⁶⁰⁴⁹: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

→If Successful or Indeterminant, **Assessment of Result**¹⁶⁰⁵⁰: (Select all that apply) ☐ Termination during energy application
☐ Conduction block demonstrated across ablation line ☐ Not inducible

→If Not Inducible, **Isoproterenol Used For Post-Ablation Testing**¹⁶⁰⁵¹: ☐ No ☐ Yes

JUNCTIONAL TACHYCARDIA (TARGETED SUBSTRATE¹⁵⁴⁰⁹ = JUNCTIONAL TACHYCARDIA)

Pre-procedure Indication¹⁵⁹⁹⁰: ☐ Symptoms ☐ Low cardiac output syndrome ☐ Hemodynamic collapse/arrest
(Select all that apply) ☐ Heart failure/Ventricular dysfunction ☐ Other

Type¹⁵⁹⁹¹: ☐ Congenital ☐ Post-operative ☐ Idiopathic (non-congenital) ☐ Other

→ For Post-operative, **Number Of Days Post-op¹⁶⁰³⁵:** _____

Pattern of Arrhythmia¹⁵⁹⁹²: ☐ Incessant ☐ Persistent ☐ Paroxysmal ☐ Not Documented ☐ Other

→ If Medications¹⁵⁰³² is Antiarrhythmic=Yes, **Antiarrhythmic Class¹⁵⁹⁹⁷:** (Select all that apply) ☐ Class I ☐ Class II ☐ Class III ☐ Class IV
☐ Not Documented¹⁶²⁵⁷

→ If Medications¹⁵⁰³² is Antiarrhythmic=Yes, **Number Of Antiarrhythmic Medications¹⁶⁰³⁶:** _____

Junctional Tachycardia Present Spontaneously¹⁵⁹⁹³: ☐ No ☐ Yes

→ If No, **Inducible Junctional Tachycardia¹⁵⁹⁹⁴:** ☐ No ☐ Yes

→ If Yes, **Conditions That Induced Junctional Tachycardia¹⁵⁹⁹⁵:** ☐ Inducible at baseline ☐ Inducible with isoproterenol

Outcome¹⁵⁹⁹⁶: ☐ Successful ☐ Unsuccessful ☐ Indeterminant

Isoproterenol Used For Post-Ablation Testing¹⁵⁹⁹⁸: ☐ No ☐ Yes

DEVICE INFORMATION (COMPLETE FOR EACH TARGETED SUBSTRATE¹⁵⁴⁰⁹ ATTEMPTED AND FOR EACH CATHETER USED)

TARGETED SUBSTRATE COUNTER¹⁶²¹⁴

	Targeted Substrate ¹⁶⁰⁰³	Ablation Catheter(s) ¹⁵⁴¹⁴	Energy Source ¹⁶⁰³⁷	Successful Catheter ¹⁶⁰⁰⁴ (Select 'Yes' only once per substrate)	Number of Lesions ¹⁶⁰⁰⁵	Total Lesion Time ¹⁶²³⁶	UDI ¹⁶⁰⁰⁶ (Future use)
1	Select from list	_____	Select all from dynamic list	☐ No ☐ Yes	_____	Min	_____
2	Select from list	_____	Select all from dynamic list	☐ No ☐ Yes	_____	Min	_____
3	Select from list	_____	Select all from dynamic list	☐ No ☐ Yes	_____	Min	_____

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

EVENT(s) ¹⁵¹⁵³	EVENT(S) OCCURRED ¹⁵²⁰⁷	EVENT(s) ¹⁵¹⁵³	EVENT(S) OCCURRED ¹⁵²⁰⁷
Cardiac		General	
Cardiac arrest	☐ No ☐ Yes	Bleeding event	☐ No ☐ Yes
Cardiac perforation	☐ No ☐ Yes	RBC transfusion	☐ No ☐ Yes
Cardiac tamponade	☐ No ☐ Yes	Neurologic	
Heart block (Unintended high-grade at the end of the procedure)	☐ No ☐ Yes	Phrenic nerve injury	☐ No ☐ Yes
		Stroke	☐ No ☐ Yes
Valve injury	☐ No ☐ Yes	Vascular Injury	
		Coronary artery injury	☐ No ☐ Yes
		Vascular injury requiring treatment	☐ No ☐ Yes

DISCHARGE

Discharge Date/Time¹⁰¹⁰¹ MM / DD / YYYY HH:MM

Discharge Status¹⁰¹⁰⁵: ☐ Alive ☐ Deceased

→ If Deceased, **Death in Lab**¹⁰¹²⁰: ☐ No ☐ Yes

→ If Deceased, **Cause of Death**¹⁰¹²⁵: ☐ Cardiac ☐ Non-Cardiac ☐ Undetermined