# Atricure Creating a World Class Platform

**INVESTOR PRESENTATION** 

February 2023

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### Forward Looking Statements

This presentation and oral statements made in connection with this presentation contain "forward-looking statements," which are statements related to future events that by their nature address matters that are uncertain. Forward-looking statements address, among other things, AtriCure's expected market opportunity, future business, financial performance, financial condition, and results of operations, and often contain words such as "intends," "estimates," "anticipates," "hopes," "projects," "plans," "expects," "drives," "seek," "believes," "see," "focus," "should," "will," "would," "can," "opportunity," "target," "outlook," and similar expressions and the negative versions thereof. Such statements are based only upon current expectations of AtriCure. All forward-looking information is inherently uncertain and actual results may differ materially from assumptions, estimates, projections or expectations reflected or contained in the forward-looking statements as a result of various risk factors.

Reliance should not be placed on forward-looking statements because they involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements to differ materially from those expressed or implied. These risks, uncertainties and other factors include, but are not limited to, those identified at http://www.atricure.com/forward-looking-statements and/or described in AtriCure's Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q, particularly the "Risk Factors" sections thereof, as filed with the U.S. Securities and Exchange Commission and available at http://www.sec.gov.

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## Non-GAAP Financial Measures

To supplement AtriCure's condensed consolidated financial statements prepared in accordance with accounting principles generally accepted in the United States of America, or GAAP, AtriCure provides certain non-GAAP financial measures as supplemental financial metrics in this presentation.

Adjusted EBITDA is calculated as net income (loss) before other income/expense (including interest), income tax expense, depreciation and amortization expense, share-based compensation expense, acquisition costs, legal settlement costs, impairment of intangible asset and change in fair value of contingent consideration liabilities. Management believes in order to properly understand short-term and long-term financial trends, investors may wish to consider the impact of these excluded items in addition to GAAP measures. The excluded items vary in frequency and/or impact on our continuing results of operations and management believes that the excluded items are typically not reflective of our ongoing core business operations and financial condition. Further, management uses adjusted EBITDA for both strategic and annual operating planning. Adjusted income (loss) per share is a non-GAAP measure which calculates the net income (loss) per share before non-cash adjustments in fair value of contingent consideration liabilities, impairment of intangible asset and legal settlement costs.

The non-GAAP financial measures used by AtriCure may not be the same or calculated in the same manner as those used and calculated by other companies. Non-GAAP financial measures have limitations as analytical tools and should not be considered in isolation or as a substitute for AtriCure's financial results prepared and reported in accordance with GAAP. We urge investors to review the reconciliation of these non-GAAP financial measures to the comparable GAAP financials measures, and not to rely on any single financial measure to evaluate our business.

We are passionately focused on healing the lives of those affected by Afib and pain after surgery Large Markets

Addressing an underserved and growing patient population

**Strong Portfolio** Existing products and solutions driving consistent growth

**Bright Future** 

Novel therapies supported by growing body of clinical evidence



### Atrial Fibrillation (Afib) is an irregular heartbeat (or arrhythmia) that affects more than 37 million people worldwide.<sup>1</sup>



#### 8 Million People estimated to have Afib in the US<sup>2</sup>

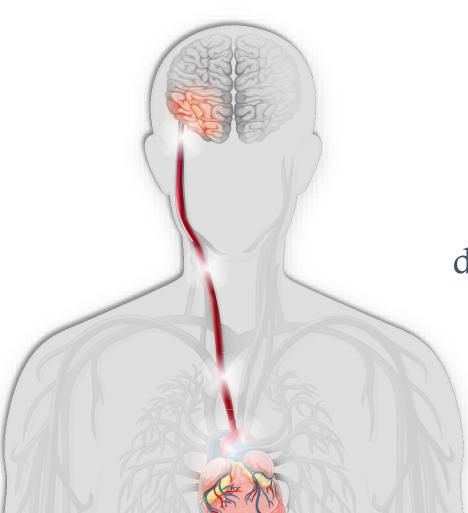


**NON** 

### **3.5 Million** People estimated to have long-standing persistent Afib in the US<sup>3</sup>

**1 in 4 Adults** Over 40 will develop Afib in their lifetime<sup>4</sup>





Afib is tied to higher risk of stroke, heart failure, dementia, and other health problems

5 Higher Risk of Stroke<sup>5</sup>

**46%** Greater Risk of Mortality<sup>6</sup>



Higher Risk of Heart Failure<sup>7</sup>



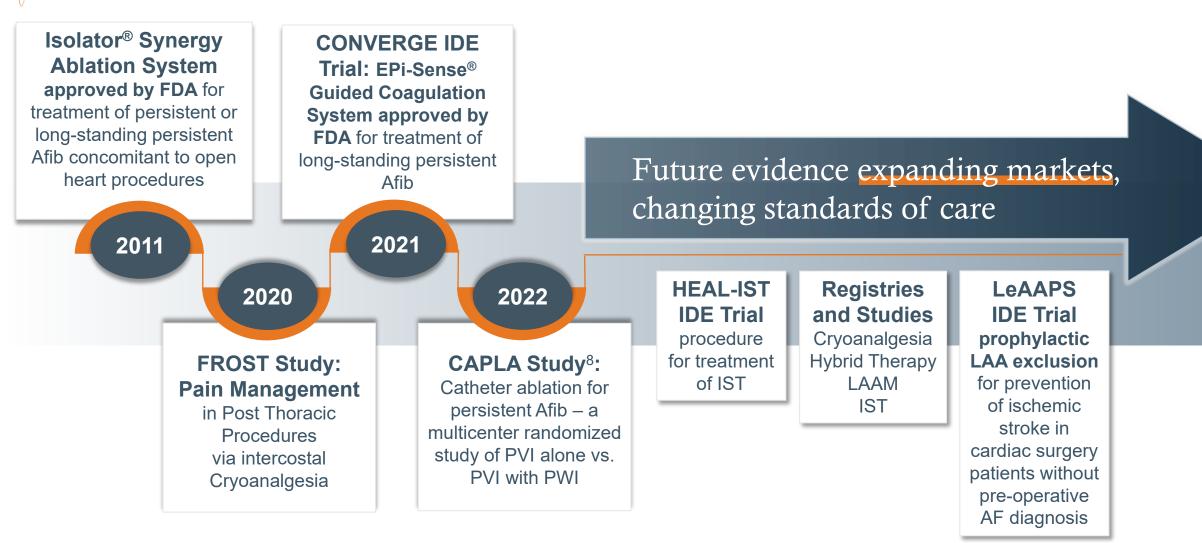
### Innovative and Expanding Product Portfolio



### Continuous innovation to less invasive, simpler to use, more efficient products



### Differentiated and Growing Clinical Evidence



### Significant Global Market Opportunity

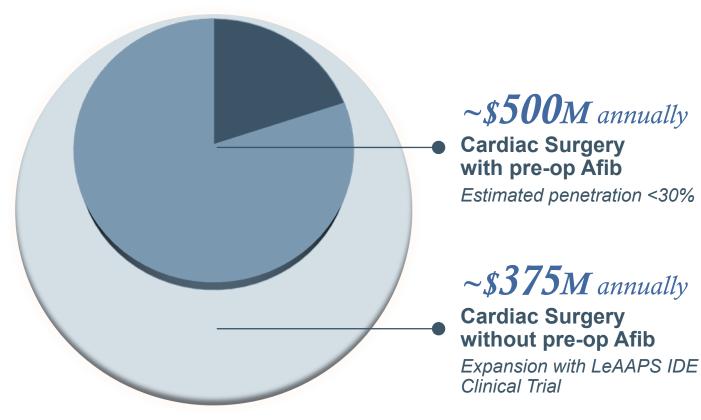


Market opportunity and penetration estimates based on internal estimates and research, as well as from publicly available information.

# Cardiac Surgery Opportunity (US)

~\$900M

Concomitant Open Procedures (Open Ablation/LAAM)



### **AtriCure Difference**

#### Innovation

- Isolator Synergy EnCompass<sup>®</sup> Clamp
- AtriClip<sup>®</sup> platform and expansion of labeling (electrical isolation of LAA)

### Science

 Isolator<sup>®</sup> Synergy Ablation System first medical device with FDA approval for treatment of persistent Afib

### Education

Advanced Ablation Courses endorsed
 by the Society of Thoracic Surgeons

### **Guidelines**<sup>9</sup>

- Surgical Ablation is **recommended**
- LAA management is **reasonable**

# LeAAPS Overview

**IDE Trial** to evaluate the effectiveness of prophylactic LAA exclusion for the prevention of ischemic stroke or systemic arterial embolism in cardiac surgery patients without pre-operative AF diagnosis

#### Using AtriClip LAA Exclusion System

### Study Design

**Summary** Multi-center, prospective, randomized control (1:1) trial

#### Number of Subjects and Sites

Up to 6,500 subjects at up to 250 sites worldwide

#### **Study Duration**

Safety: 30-day follow-up Efficacy: Event-driven trial, with a minimum follow-up of 5 years post procedure

### Primary Endpoints

#### Effectiveness

First occurrence of ischemic stroke or systemic arterial embolism.

#### Safety

Incidence of safety events through 30-days to demonstrate no increase in risk with LAA exclusion during cardiac surgery.

Left Atrial Appendage E



Appendage Exclusion for Prophylactic Stroke Reduction

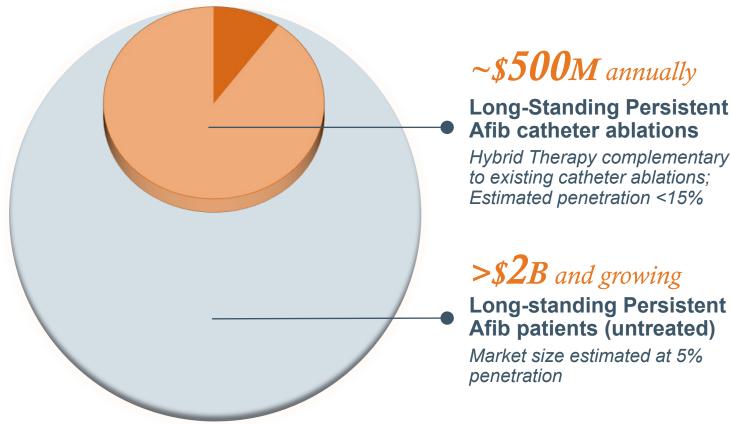
#### clinical trial Highlights

- Seminal clinical trial one of the largest IDE trials in cardiac surgery
- Study will have a global reach with sites in the United States, Canada, Europe and Asia
- Multiple secondary and other key endpoints will be evaluated
- FDA approval of LeAAPS clinical trial protocol (Q2 2022)
- First patient treated (Q1 2023)

# Hybrid Opportunity (US)

## *\$2B+ and Growing*

#### Standalone Hybrid Procedures (MIS Ablation/LAAM)



### **AtriCure Difference**

#### Innovation

- Multiple approaches to treatment: Hybrid AF Therapy + AtriClip<sup>®</sup>, DEEP
- EPi-Sense ST approval

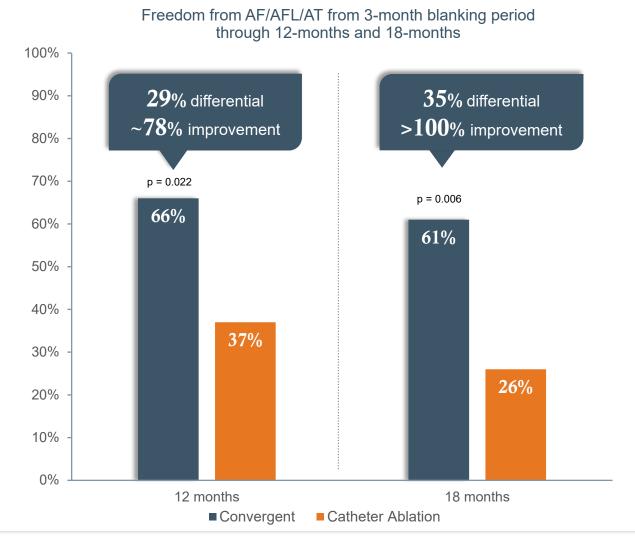
#### Science

 EPi-Sense<sup>®</sup> System approved by FDA for treatment of long-standing persistent Afib

### Education

 Hybrid Training Course cosponsored by the Hearth Rhythm Society

# CONVERGE: Long-standing Persistent Afib Patient Analysis



- Superior outcomes with hybrid Convergent procedure when compared to endocardial catheter ablation alone in patients with drug refractory longstanding persistent Afib, with majority of patients experiencing:
  - + Over 100% improvement at 18 months
  - + Over 90% burden reduction at 12 months
  - + Freedom from Afib through 12 months
- Improved EP lab efficiency demonstrated by reduction in endocardial ablation time as a result of adding epicardial ablation
- Emphasizes value of team approach for advanced AF treatment, targeting trigger areas (epi-cardial and endo-cardial) where AF begins

# HEAL-IST Overview

**IDE Trial** to support safety and efficacy of hybrid sinus node sparing ablation procedure for the treatment of IST

#### Using AtriCure ISOLATOR Synergy Ablation System

### Study Design

#### Summary

Multi-center, prospective, single arm, Bayesian Adaptive Design

#### Number of Subjects and Sites

Up to 142 patients at up to 40 sites (US, UK, and EU)

#### **Study Duration**

Safety: 30-day follow-up Efficacy: 12-month follow-up All subjects followed for a total of 24 months post procedure

### Primary Endpoints

#### Effectiveness

Freedom from IST at 12-months. Freedom from IST is defined as mean heart rate of  $\leq$  90bpm or at least a 15% reduction in mean heart rate as compared to baseline, in the absence of new or higher dosage of previously failed medications.

#### Safety

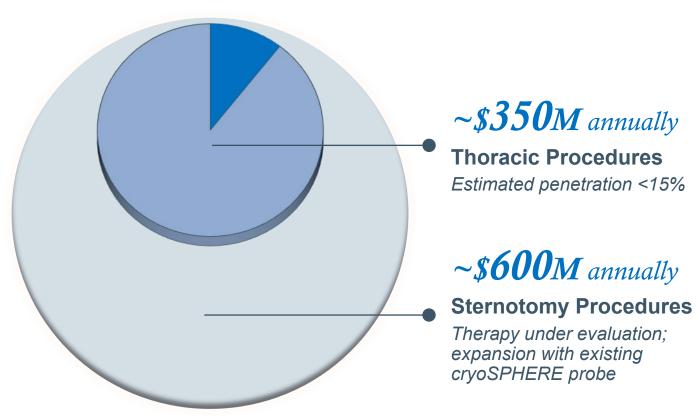
Incidence of device or procedure-related major adverse events (MAEs) for subjects undergoing the hybrid sinus node sparing ablation procedure from the index procedure through 30-days post procedure.

# clinical trial Highlights

- Inappropriate Sinus Tachycardia (IST) is a chronic condition characterized by elevated resting heart rate and exaggerated response to exercise or stress
  - Currently, no approved therapies
  - ✓ First clinical trial for this large unmet need
  - Building off current Synergy product technology
  - Hybrid therapy leverages expertise and partnership between EP and Cardiac Surgery
- FDA approval of HEAL-IST clinical trial protocol (Q1 2022)
- First patient treated (Q2 2022)

## Pain Management Opportunity (US)

~\$1B Pain Management Procedures (Ablation)



### **AtriCure Difference**

#### Innovation

- cryoSPHERE<sup>®</sup> cryoablation probe
- Expanded labeling for Cryo Nerve Block Therapy in adolescents (patients as young as 12 years of age)

#### Science

- FROST Study
- Can be an important tool in combatting the opioid epidemic –
  1 in 7 thoracic surgery patients become reliant upon opioids after their procedure<sup>10</sup>

### Fourth Quarter 2022 Financial Highlights

### \$88.0 \$83.2 6% \$73.2 Q3 2022 Q4 2022 Q4 2021 Q4 2021 Q4 2022

Worldwide Revenue (\$M)

Strong activity and growing demand across key product lines demonstrating our many growth catalysts

- U.S. revenue of \$73.9M (84% of revenue)
- International revenue of \$14.1 (16% of revenue)

Key Metrics					
	Q4 2021	Q4 2022			
GROSS MARGIN	75.1%	74.0%			
OPERATING EXPENSES	\$67.5M	\$69.2M			
ADJUSTED EBITDA+	(\$2.1M)	\$6.0M			
ADJ. LOSS PER SHARE*	(\$0.30)	(\$0.09)			
CASH & INVESTMENTS	\$223M	\$173M			

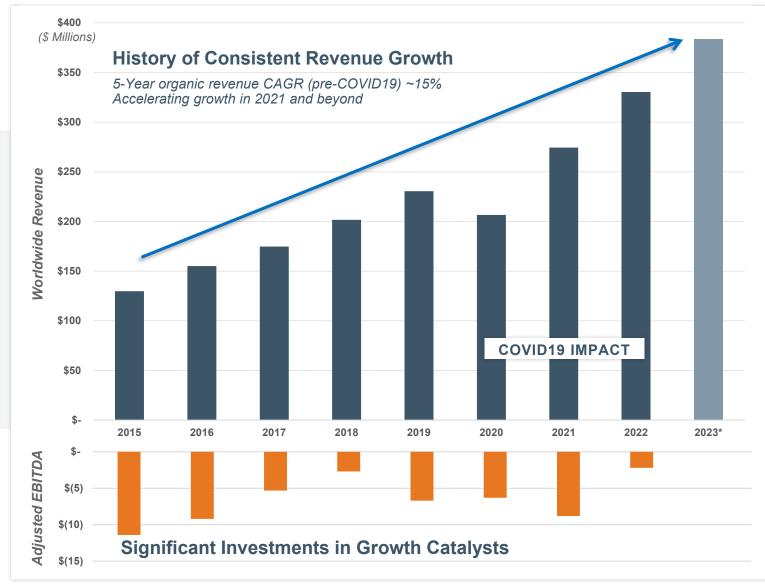
<sup>+</sup> Reconciliation of Adjusted EBITDA and Adjusted Loss per share to relevant GAAP measures may be found in Q4 2022 earnings release.

## Financial Results and 2023 Outlook

### 2023 Guidance

- Worldwide revenue of \$380-387 million (~15-17% annual growth)
- Maintaining Gross Margin
- Improving Adjusted EBITDA to break even for 2023

\* 2023 Revenue based on midpoint of Revenue guidance range. 2023 Adjusted EBITDA based on guidance to breakeven for 2023.



# Commitment to Sustainability

Inaugural sustainability report published



### **Top Workplace Honors** Cincinnati, Minneapolis, Amsterdam

Diversity & Inclusion award recognizing ATRC Board



**35**th Anniversary of Cox-Maze Procedure

# >1,000 Employees

Global headcount passes the millennium mark – with improvement to diversity metrics!

### 800 attendees



At our Women's Cardiac Health Awareness Initiative in 2022





All Top 10 Heart Hospitals Use AtriCure Products

US NEWS & WORLD REPORT BEST HOSPITALS: CARDIOLOGY AND HEART SURGERY 2022-23



# Thank You!

# AtriCure

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### Supplemental Information

References for any comments, statistics, or figures in this presentation are available upon request.



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### Key Investment Rationale



Addressing an underserved and growing patient population

- Approximately 37 million Atrial Fibrillation patients globally, with majority having advanced forms of the disease<sup>1</sup>
- Multibillion dollar annual market opportunity
- Current standard of care for intervention (catheter ablation) does not adequately address the most advanced forms of the disease



### **Strong Portfolio**

Existing products and solutions driving consistent growth

- Strong history of double-digit revenue growth, driven by great products, clinical evidence, commitment to education, and societal guideline support
- Only PMA product for the concomitant surgical treatment of Afib
- AtriClip device is the most widely used Left Atrial Appendage device with over 400,000 sold to date
- Diverse and expanding product portfolio from internal development and acquisitions



### **Bright Future**

Novel therapies supported by growing body of clinical evidence

- Only PMA product for treatment of LS persistent Afib with Hybrid AF Therapy
- Growing pain management business to address pain associated with surgery
- Early in market development process – evolution to minimally invasive therapies expected to drive growth, diversifying and accelerating in future

# US Concomitant Market Opportunity

- US annual cardiac surgery volume steady over the past 5 years with shifts in procedure types<sup>11</sup>
- Pre-Op Afib occurs frequently in cardiac surgery patients<sup>12</sup>
- New onset Post-Op Afib is a welldocumented complication of cardiac surgery, even if patients do not present with pre-op Afib<sup>13</sup>

### AtriCure



### Estimated Afib Opportunity in Cardiac Surgery

Annual Cardiac Surgeries <sup>14</sup>	300,000
Pre-Operative Afib Rate <sup>12</sup>	~28%
Cardiac Opportunity – Pre-Op Afib	85,000
ASP Mix (Ablation and Appendage Management) <sup>15</sup>	\$6,000
Open Cardiac Surgery Opportunity – Afib	\$500M

### Estimated Non-Afib Opportunity in Cardiac Surgery

Annual Cardiac Surgeries	300,000
Pre-Operative Non-Afib Rate	~72%
Cardiac Opportunity – Pre-Op Afib	215,000
ASP Mix (Appendage Management ONLY) <sup>15</sup>	\$1,750
Open Cardiac Surgery Opportunity – Non-Afib	\$375M

# US Standalone Market Opportunity

### Market opportunity in analysis at right considers:

- Addition of ablation and LAAM to
  existing catheter ablation procedures
  - Catheter ablation procedures have grown 10-15% annually<sup>16</sup>
- Incremental penetration of advanced Afib patient population
  - Today, long-standing persistent Afib population represents more than 3 million patients in the United States, expected to grow to more than 4.4 million by 2025<sup>3</sup>
- ASP Mix is both ablation and AtriClip

**AtriCure** 



### Estimated Standalone Afib Opportunity

	2022	Projected 2025	
Long-standing Persistent Afib Catheter Ablation <sup>17</sup>	32,000	45,000	
ASP Mix (Ablation + Appendage Management) <sup>15</sup>	\$15,300	\$15,300	
Immediate Standalone Afib Opportunity	\$500M	\$700M	
Additional penetration Long-standing Persistent Afib patients (estimated at 5% penetration)	150,000	175,000	
ASP Mix (Ablation + Appendage Management) <sup>15</sup>	\$15,300	\$15,300	
Incremental Standalone Afib Opportunity (estimated at 5% penetration)	\$2B+	\$3B+	

# **CONVERGE** Overview

**SUPERIORITY TRIAL** designed to support FDA approval of the EPi-Sense device

#### Achieved statistical superiority for primary endpoints

### Study Design

#### Summary

Multi-center, prospective, open label randomized 2:1 (Hybrid Convergent procedure vs endocardial catheter ablation) pivotal study

Number of Subjects and Sites 153 subjects 27 sites (25 US and 2 OUS)

#### **Study Duration**

12 month and 18 month monitoring, then 3 and 5 year follow-up of all subjects

### Primary Endpoints

#### Effectiveness

Primary efficacy endpoint is success or failure to be AF/AT/AFL-free absent class I and III AADs except for a previously failed or intolerant class I or III AAD with no increase in dosage following the 3 month blanking period through the 12 months post procedure follow-up visit

#### Safety

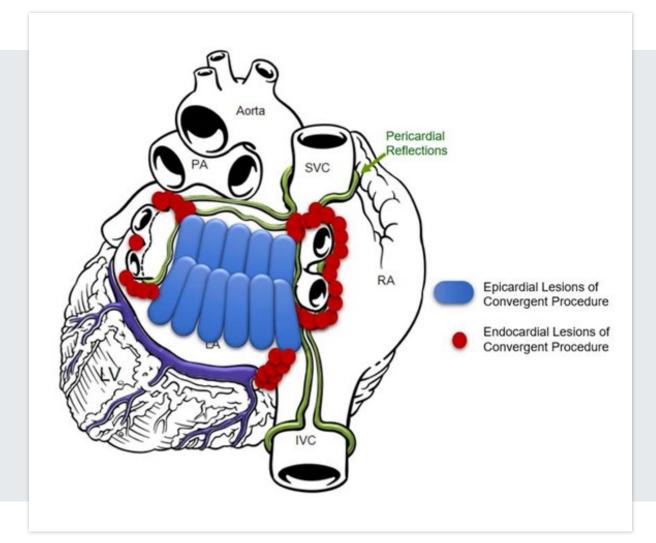
Predetermined performance goal for the study is 12% freedom from MAE's as adjudicated by the CEC for the procedural to 30-day post procedure time period

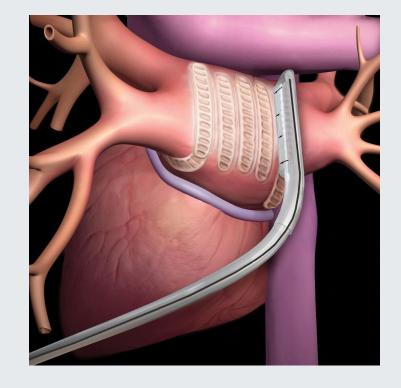


### Highlights

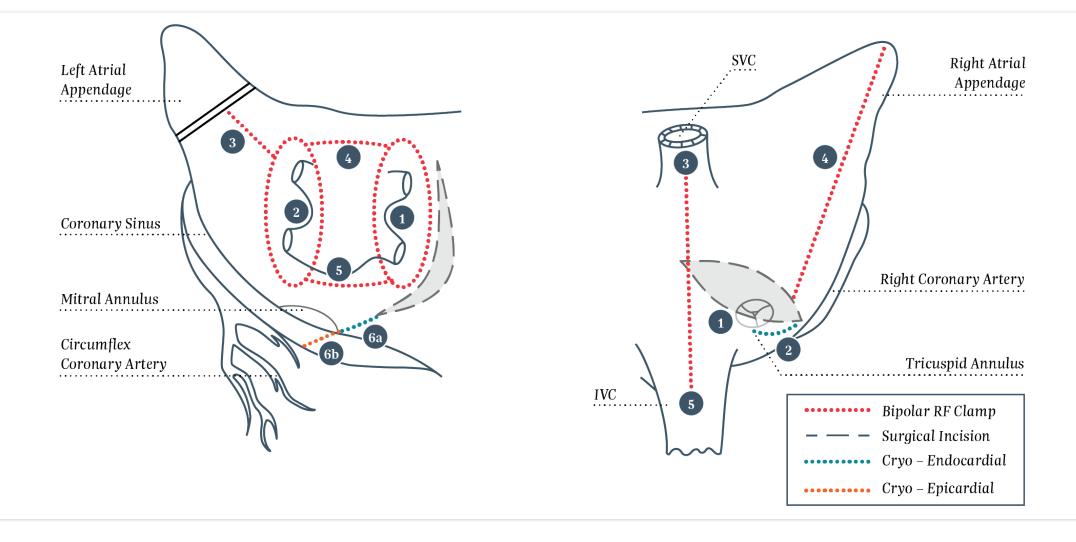
- Completed enrollment August 2018
- Data released at virtual Heart Rhythm Society (HRS) conference May 2020
- PMA submission seeking approval for treatment of long-standing persistent Afib November 2020
- Trial results published in *Circulation:* Arrhythmia and Electrophysiology November 2020
- Long-standing persistent Afib patient subgroup analysis presented at 26<sup>th</sup> Annual Atrial Fibrillation (AF) Symposium January 2021 and 14<sup>th</sup> Annual Western AF Symposium February 2021
- FDA approval of EPi-Sense System for treatment of long-standing persistent Afib April 2021

# Hybrid AF Therapy: The Convergent Procedure





# The Cox-Maze IV Procedure



# References and Abbreviations

Note	ote Reference		Key Abbreviations	
1	European Heart Journal – Quality of Care and Clinical Outcomes (2021) 7, 574-582 doi: 10.1093/ehjqcco/qcaa061	Afib or AF	Atrial Fibrillation	
2	The American Journal of Cardiology (2013), 112: 1142-1147	AA	Atrial Arrythmia	
	Medical management estimate: Colilia, et al. Estimates of Current and Future Incidence and Prevalence of Atrial Fibrillation in the U.S. Adult Population. Am Journal of Cardiology 2013, 112: 1142-1147	AAD	Anti-Arrhythmic Drugs	
3		AFL	Atrial Flutter	
4	Persistent patient estimate: Berisso et al Epidemiology of atrial fibrillation: European perspective Clin Epidemiol. 2014; 6: 213–220	AT	Atrial Tachycardia	
4	Lifetime risk for development of atrial fibrillation. Circulation, 110 (2004): 1042-1046. doi: 10.1161/01.CIR.0000140263.20897.42	CABG	Coronary Artery Bypass Graft	
5	J Geriatr Cardiol. 2016 Oct; 13(10): 880–882, doi: 10.11909/j.issn.1671-5411.2016.10.004	CEC	Clinical Events Committee	
6	Odutayo, A. et al. (2016). Atrial fibrillation and risks of cardiovascular disease, renal disease, and deaths systematic review and meta analysis. BMJ 2016; 354:i4482	EP	Electrophysiologist	
7	Santhanakrishnan R et al., "AF Begets Heart Failure and Vice Versa," Circulation, 133 (2016):484-492			
8	American Heart Journal. 2022 Jan; 243:210-220. doi: 10.1016/j.ahj.2021.09.015	FDA	Food & Drug Administration	
9	The Society of Thoracic Surgeons 2017 Clinical Practice Guidelines for the Surgical Treatment of Atrial Fibrillation	IDE	Investigational Device Exemptic	
10	The Society of Thoracic Surgeons, Current News Release (1/30/2018): 1 in 7 Lung Surgery Patients at Risk for Opioid Dependence	IST	Inappropriate Sinus Tachycardia	
11	STS Adult Cardiac Surgery Database, 2018/2019 Harvest Executive Summary	LAA	Left Atrial Appendage	
40		LAAM	LAA Management	
12	McCarthy, P.M. et al. (2019). Prevalence of atrial fibrillation before cardiac surgery and factors associated with concomitant ablation. J Thorac Cardiovasc Surg, PII: S0022-5223(19)31361-3, DOI: 10.1016/J.JTCVS.2019.06.062	LS	Long-standing	
13	Lin et al, Stroke 2019 Jun; 50(6):1364-1371. doi: 10.1161/STROKEAHA.118.023921. Epub 2019 May 2.	MAE	Material Adverse Event	
14	Harvested from data previously available through the Society of Thoracic Surgeons	PMA	Pre-Market Approval	
15	Average Selling Prices (ASPs) are management estimates based on a mix of products used for the various procedures	RF	Radio Frequency	
16	Estimated based on various catheter company presentations			
17	Estimated based on Advisory Board data, along with various scientific presentations			