

2020



**Austin**

Be the Leader in  
Advanced Electrophysiology!

**VIRTUAL CONFERENCE**

With Support From

**TEXAS CARDIAC ARRHYTHMIA INSTITUTE**

St. David's Medical Center

Sponsored By



**Date**

**December 3 - 4, 2020**

**Venue**

**St. David's Medical Center**

**3000 N. IH 35**

**Austin, TX 78705**

**[www.ep-live.com](http://www.ep-live.com)**

# PROGRAM OVERVIEW

## PROGRAM FORMAT

EP Live is a 2 day, intensive educational meeting targeting practicing electrophysiologists as well as fellows in training. The meeting consists of four sections: AF Ablation, VT Ablation, Devices and new technologies. In addition, a panel of recognized experts will provide commentary and discussion. Previously recorded cases will also be shown.

EP Live 2020 will be a Virtual Meeting.

## HOSTING ORGANIZATION

The Texas Cardiac Arrhythmia Institute at St. David's Medical Center (TCAI) is one of the world's preeminent centers dedicated to the latest treatment advances for correcting arrhythmias. The Center is led by Executive Medical Director Dr. Andrea Natale.

### Cases Include:

A world class faculty discusses live cases as well as recorded cases, focusing on the different aspects of electrophysiology procedures.

- VT Ablation - Endocardial and Epicardial
- AF Ablation and Ablation of Post AF Atrial Arrhythmias
- Balloon Cases (Cryo, Apama, Laser)
- CRT Implants
- Lead Extraction and Venoplasty
- SQ ICD

## LEARNING OBJECTIVES

- Understand and apply the techniques used to map and ablate atrial arrhythmias and ventricular arrhythmias.
- Identify processes to reduce complications and promote safety measures for the patient during ablation of atrial fibrillation and ventricular arrhythmias.
- Demonstrate understanding of the latest evidence and guidelines in arrhythmia management and treatment with new technology.
- Apply approaches that best utilize the new technologies demonstrated to optimize clinical outcomes.
- Identify processes that can benefit from the integration of new technologies and promote safer procedures for the patient.
- Demonstrate understanding of the techniques used to perform lead extractions.
- Discuss approaches and techniques to perform a successful lead extraction.
- Identify processes to reduce complications and promote safety measures for the patient during lead extractions.

# ACCREDITATION

## ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Texas Medical Association (TMA) through the joint providership of St. David's HealthCare and EP Live Foundation. The St. David's HealthCare system is accredited by TMA to provide continuing medical education for physicians.

The St. David's HealthCare system designates this Live Activity for a maximum of **14 AMA PRA Category 1 Credit(s)<sup>™</sup>**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## CME CREDIT INSTRUCTIONS

In order to obtain CME credit hours for this event, the participant must:

1. Sign in
2. Attend the entire activity
3. Complete an evaluation within two weeks of the activity, which can be obtained with the QR code below or at this link:

<https://www.surveymonkey.com/r/2885GN6>

## QR CODE INSTRUCTIONS

Using your mobile device, open your phone to camera mode and point the camera at the code. The survey will automatically open in your browser. (Tip: no need to take a picture of the code, simply hover the phone over the code)



## CERTIFICATE OF COMPLETION

The certificate will populate upon completion of the survey. Please print or save the certificate for your records prior to clicking "Done".

# FINANCIAL DISCLOSURE

## St David's HEALTHCARE

### CME Disclosures of Relevant Financial Relationships

EP Live 2020

#### CME Disclosures of Relevant Financial Relationships

Policies and standards of the Texas Medical Association, the Accreditation Council for Continuing Medical Education, and the American Medical Association require that speakers and planners for continuing medical education activities disclose any relevant financial relationships they may have with commercial interests whose products, devices or services may be discussed in the content of a CME activity.

#### The following speakers/ planners have no relevant financial relationship to disclose:

St. David's CME Subcommittee	Mark Link, MD
Pam Kobasic, Director, Medical Staff and CME - Planner	William Nesbitt, MD
Donita Atkins - Planner	Luis Saenz, MD
Salwa Beheiry - Planner	Javier Sanchez, MD
Shane Bailey, MD	Pasquale Santangili, MD
Mohamed Bassiouny, MD	Jayaprakash Shenthur, MD
David Burkland, MD	Kalyanam Shivkumar, MD
Joseph Gallinghouse, MD	Kamala Tamirisa, MD
Brian Greet, MD	Miguel Valderrabano, MD
Dhanunjaya Lakkireddy, MD	

#### The following speaker(s)/ planner(s) have the following information to disclose about their financial relationship(s):

Speaker	Commercial Interest(s)	Relationship
Matthew Dare – Planner	- Abbott, BioSig	- Consultant
Amin Al-Ahmad, MD	- Biosense Webster, Medtronic, Boston Scientific - Medtronic	- Consultant - Honorarium
Elad Anter, MD	- Affera Inc., Biosense Webster, Boston Scientific - Affera Inc.	- Consultant/Honorarium/Speaker's Bureau/Grant or Research Support - Stock shareholder (directly purchased)
Arash Aryana, MD	- Abbott, Biosense Webster, Medtronic - Biosense Webster - Boston Scientific, Sirona Medical, Pulse BioSciences	- Consultant/Honorarium/Speaker's Bureau/Grant or Research Support - Board of Directors/Leadership Role - Consultant
David Burkhardt, MD	- Biosense Webster, Stereotaxis	- Consultant
Robert Canby, MD	- Abbot, Boston Scientific, Medtronic, Spectranetics - Medtronic - Medtronic, Boston Scientific	- Honorarium - Speaker's Bureau - Consultant
Luigi Di Biase, MD	- Biosense Webster, Stereotaxis, Rhythm Management - Biosense Webster, Abbott, Boston Scientific, Medtronic, Biotronik, Atricure, Pfizer and Bristol Meyers Squibb	- Consultant - Honoraria
Srinivas Dukkupati, MD	- Biosense Webster - Farapulse, Manual Surgical Sciences	- Grant or Research Support - Stock shareholder (directly purchased)
Laurence Epstein, MD	- Abbott, Medtronic, Spectranetics	- Consultant/Honorarium
Fermin Garcia, MD	- Abbott, Biosense Webster	- Honorarium/Speaker's Bureau
Eric Hoenicke, MD	- Atricure	- Consultant
Rodney Horton, MD	- Abbott, Baylis Medical, Biosense Webster, Boston Scientific	- Consultant
Patrick Hranitzky, MD	- Biosense Webster - Cardiva Medical, Inc.	- Consultant/Speaker's Bureau/Other Financial or Material Support - Honorarium
Faraz Kerendi, MD	- Atricure	- Consultant/Speaker's Bureau
Moussa Mansour, MD	- Abbott, Biosense Webster, Boston Scientific, Janssen Pharmaceuticals, Medtronic, Philips HealthCare	- Consultant/Grant or Research Support



# FINANCIAL DISCLOSURE

Speaker	Commercial Interest(s)	Relationship
	- Affera Inc., EPD Solutions, NewPace Ltd	- Stock shareholder (directly purchased)
Francis Marchlinski, MD	- Abbott, Biosense Webster, Medtronic	- Consultant
Gregory Michaud, MD	- Abbott, Biosense Webster, Boston Scientific - Medtronic	- Consultant/Honorarium  - Honorarium
Devi Nair, MD	- Boston Scientific, Medtronic  - Biosense Webster - Abbott	- Consultant/Honorarium/Speaker's Bureau/ Grant or Research Support - Consultant - Grant or Research Support
Andrea Natale, MD	- Abbott, Baylis Medical, Biosense Webster, Biotronik, Boston Scientific, Medtronic	- Consultant/Speaker's Bureau
Douglas Packer, MD	- Abbott, Biosense Webster, Boston Scientific, CardioFocus, Medtronic, Siemens, St. Jude, Thermedical - Biotronik, Johnson and Johnson, Signum Preemptive HealthCare, Spectrum Dynamics - St. Jude, EBAMed - Cardiointellect, Endosense, Hansen Medical	- Consultant/Grant or Research Support  - Consultant  - Other Financial or Material Support - Grant or Research Support
Jacqueline Saw, MD	- Abbott, Boston Scientific, Baylis - Abbott, Boston Scientific - W L Gore	- Consultant/Honorarium - Grant or Research Support - Consultant
Robert Schweikert, MD	- Abbott, Biosense Webster, Boston Scientific, Cook Medical	- Consultant
Senthil Thambidorai, MD	- Biosense Webster, Abbott - Medtronic	- Consultant - Speaker's Bureau
Claudio Tondo, MD	- Abbott, Boston Scientific, Medtronic  - Epicardial Solutions	- Consultant/Honorarium/Speaker's Bureau - Board of Directors/Leadership Role
David Tschopp, MD	- Abbott and Sentra Heart	- Consultant
Roderick Tung, MD	- Abbott, Boston Scientific, Biotronik	- Honorarium/Speaker's Bureau
Wendy Tzou, MD	- Abbott, Biosense Webster, BioSig, Boston Scientific, Medtronic - Abbott, Biosense Webster, Boston Scientific	- Consultant/Honorarium  - Grant or Research Support
Pugazhendhi Vijayaraman, MD	- Abbott, Boston Scientific, Biotronik, Medtronic - Medtronic - Abbott, Medtronic	- Consultant/Honorarium  - Speaker's Bureau - Grant or Research Support
Seth Worley, MD	- Merit Medical - Pressure Products	- Consultant/Honorarium - Royalty/Honorarium
Jason Zagrodzky, MD	- Abbott, Biosense Webster - Janssen Pharmaceuticals, Sanofi	- Consultant - Speaker's Bureau

## **CME Disclosures of Commercial Support**

Policies and standards of the Texas Medical Association, the Accreditation Council for Continuing Medical Education, and the American Medical Association require that support from commercial interests be disclosed.

The following companies have provided a grant in support of this conference.

- Biosense Webster
- Atricure
- Boston Scientific
- Medtronic
- Abbott Laboratories
- Acutus Medical

# COURSE DIRECTORS



**Dr. Andrea Natale,**  
Texas Cardiac Arrhythmia  
Institute  
Austin, TX



**Dr. Amin Al-Ahmad**  
Texas Cardiac Arrhythmia  
Institute  
Austin, TX



**Dr. Luigi Di Biase**  
Albert Einstein College of  
Medicine at Montefiore Hospital  
New York, NY



**Dr. Dhanunjaya Lakkireddy**  
Kansas City Heart Rhythm  
Institute  
Overland Park, Kansas

## FACULTY

### Texas Cardiac Arrhythmia Institute Faculty

**Dr. Shane Bailey** - Texas Cardiac Arrhythmia Institute  
**Dr. Mohamed Bassiouny** - Texas Cardiac Arrhythmia Institute  
**Dr. David Burkhardt** - Texas Cardiac Arrhythmia Institute  
**Dr. David Burkland** - Texas Cardiac Arrhythmia Institute  
**Dr. Robert Canby** - Texas Cardiac Arrhythmia Institute  
**Dr. Gerald Gallinghouse** - Texas Cardiac Arrhythmia Institute  
**Dr. Brian Greet** - Texas Cardiac Arrhythmia Institute  
**Dr. Eric M. Hoenicke** - Texas Cardiac Arrhythmia Institute  
**Dr. Rodney Horton** - Texas Cardiac Arrhythmia Institute  
**Dr. Patrick Hranitzky** - Texas Cardiac Arrhythmia Institute  
**Dr. Faraz Kerendi** - Texas Cardiac Arrhythmia Institute  
**Dr. Javier Sanchez** - Texas Cardiac Arrhythmia Institute  
**Dr. Kamala Tamirisa** - Texas Cardiac Arrhythmia Institute  
**Dr. Senthil Thambidorai** - Texas Cardiac Arrhythmia Institute  
**Dr. David Tschopp** - Texas Cardiac Arrhythmia Institute  
**Dr. Jason Zagrodzky** - Texas Cardiac Arrhythmia Institute

### Invited Faculty

**Dr. Elad Anter** - Cleveland Clinic, Cleveland, OH  
**Dr. Arash Aryana** - Mercy General Hospital & Dignity Health Heart & Vascular Institute, Sacramento, CA  
**Dr. Srinivas Dukkipati** - Mt Sinai Hospital, New York, NY  
**Dr. Laurence Epstein** - Northwell Health, New Hyde Park, NY  
**Dr. Fermin Garcia** - Penn Heart & Vascular Ctr., Philadelphia, PA  
**Dr. Mark Link** - UT Southwestern Medical Center, Dallas, TX  
**Dr. Moussa Mansour** - Mass General Hospital, Boston, MA  
**Dr. Francis Marchlinski** - Univ. of Pennsylvania Hospital, Pennsylvania, PA  
**Dr. Gregory Michaud** - Vanderbilt, Nashville, TN  
**Dr. Devi Nair** - Univ. of Arkansas Medical System, Jonesboro, AR  
**Dr. Douglas Packer** - Mayo Clinic, Rochester, MN  
**Dr. Luis Saenz** - Arrhythmia Center Cardiointantil Foundation - Cardiac Institute, Bogota, Columbia  
**Dr. Pasquale Santangeli** - University of Pennsylvania, PA  
**Dr. Jacqueline Saw** - Vancouver General Hospital, Vancouver, Canada  
**Dr. Robert Schweikert** - Cleveland Clinic, Cleveland, OH  
**Dr. Jayaprakash Shenthathar** - Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru, India  
**Dr. Kalyanam Shivkumar** - UCLA, Los Angeles, CA  
**Dr. Claudio Tondo** - Monzino Cardiology Center, Milan, Italy  
**Dr. Roderick Tung** - University of Chicago Medicine, Chicago, IL  
**Dr. Wendy Tzou** - Univ. of Colorado School of Medicine, Aurora, CO  
**Dr. Miguel Valderrábano** - Methodist Hospital, Houston, TX  
**Dr. Pugal Vijayaraman** - Geisinger Heart Institute, Mountain Top, PA  
**Dr. Seth Worley** - MedStar Heart & Vascular Institute, Washington, D.C.



# Thursday - December 3, 2020

## PROGRAM CHAIRS:

**Dr. Luigi Di Biase, Dr. Dhanunjaya Lakkireddy,  
Dr. Amin Al-Ahmad, Dr. Andrea Natale**

## Session 1 - Atrial Fibrillation Cases

**8:00 AM – 8:20 AM**

### Zero Fluoroscopy AF Ablation (LIVE)

**Faculty:** Dr. Rodney Horton and Dr. Senthil Thambidorai

**Faculty Panel:** Dr. Claudio Tondo and Dr. Moussa Mansour

**8:20 AM – 8:40 AM**

### Hybrid Ablation for AF with AtriClip (LIVE)

**Faculty:** Dr. David Tschoop and Dr. Faraz Kerendi

**Faculty Panel:** Dr. Douglas Packer and Dr. Arash Aryana

**8:40 AM – 9:00 AM**

### Ablation of Long Standing Persistent AF (LIVE)

**Faculty:** Dr. Andrea Natale and Dr. David Burkland

**Faculty Panel:** Dr. Douglas Packer and Dr. Gregory Michaud

**9:00 AM – 9:20 AM**

### AF Ablation with Diamond Tip Catheter (LIVE)

**Faculty:** Dr. Amin Al-Ahmad and Dr. Brian Greet

**Faculty Panel:** Dr. Claudio Tondo and Dr. Moussa Mansour

**9:20 AM – 9:40 AM**

### AF Ablation with Pulse Field Energy (Recorded)

**Faculty:** Dr. Elad Anter

**Faculty Panel:** Dr. Srinivas Dukkupati and Dr. Gregory Michaud

**9:40 AM – 10:00 AM**

### Cryoablation of Persistent AF Including Posterior Wall (Recorded)

**Faculty:** Dr. Arash Aryana

**Faculty Panel:** Dr. Miguel Valderrábano and Dr. Mark Link

**10:00 AM – 10:10 AM Break**

**10:10 AM – 10:30 AM**

### Post AF/Atrial Flutter/Interatrial Reentry Tachycardia Ablation Using Advanced Signal Acquisition Technology (LIVE)

**Faculty:** Dr. Gerald Gallinghouse and Dr. William Nesbitt

**Faculty Panel:** Dr. Jayaprakash Shenthair and Dr. Dhanunjaya Lakkireddy

**10:30 AM – 10:50 AM**

### AF Ablation Using Micro Ablation Catheter (Recorded)

**Faculty:** Dr. Luigi Di Biase

**Faculty Panel:** Dr. Moussa Mansour and Dr. Arash Aryana

**10:50 AM – 11:10 AM**

### AF Ablation with the New Cryoballoon (Recorded)

**Faculty:** Dr. Claudio Tondo

**Faculty Panel:** Dr. Douglas Packer and Dr. Luigi Di Biase

**11:10 AM – 12:00 PM Follow-Up of Live Cases**

**12:00 PM – 1:00 PM Lunch - Product Theatre**

**12:15 PM – 12:45 PM**

## NON-CME - Product Theatre

Xarelto: Proven, Once-Daily 24-Hour Stroke Risk Reduction in NVA

Patients: Emphasis in Patients > 120 kg with a BMI > 30

**Faculty:** Dr. Dhanunjaya Lakkireddy

## Session 2 - Device Cases

**1:00 PM – 1:20 PM**

### Micra AV Implant (LIVE)

**Faculty:** Dr. Amin Al-Ahmad and Dr. Kamala Tamirisa

**Faculty Panel:** Dr. Robert Schweikert and Dr. Mark Link

**1:20 PM – 1:40 PM**

### Left Bundle Branch Physiologic Pacing (LIVE)

**Faculty:** Dr. Mohamed Bassiouny and Dr. Brian Greet

**Faculty Panel:** Dr. Roderick Tung and Dr. Mark Link

**1:40 PM – 2:00 PM**

### Laser Lead Extraction (LIVE)

**Faculty:** Dr. Robert Canby and Dr. David Burkland

**Faculty Panel:** Dr. Laurence Epstein and Dr. Seth Worley

**2:00 PM – 2:20 PM**

### HIS Bundle Physiologic Pacing (Recorded)

**Faculty:** Dr. Pugal Vijayaraman

**Faculty Panel:** Dr. Roderick Tung and Dr. Robert Canby

**2:20 PM – 3:00 PM Follow-Up of LIVE Cases**

**3:00 PM – 3:10 PM Break**

**3:10 PM – 3:30 PM**

### CRT Implant Using New Stability Lead (LIVE)

**Faculty:** Dr. Mohamed Bassiouny and Dr. Shane Bailey

**Faculty Panel:** Dr. Laurence Epstein and Dr. Mark Link

**3:30 PM – 3:50 PM**

### Complex Lead Extraction Cases (Recorded)

**Faculty:** Dr. Laurence Epstein

**Faculty Panel:** Dr. Amin Al-Ahmad and Dr. Robert Schweikert

**3:50 PM – 4:10 PM**

### Venoplasty and CIED Implantation - Tips & Tricks (Recorded)

**Faculty:** Dr. Seth Worley

**Faculty Panel:** Dr. Amin Al-Ahmad and Dr. Robert Schweikert

**4:10 PM – 4:30 PM**

### Implantable Cardiac Contractility Modulation for Heart Failure (Live)

**Faculty:** Dr. Robert Canby

**Faculty Panel:** Dr. Laurence Epstein and Dr. Mark Link

**4:30 PM – 5:00 PM Follow-Up of LIVE Cases**



# Friday - December 4, 2020

## PROGRAM CHAIRS:

**Dr. Luigi Di Biase, Dr. Dhanunjaya Lakkireddy,  
Dr. Amin Al-Ahmad, Dr. Andrea Natale**

## Session 3 - VT Ablation Cases

**8:00 AM – 8:20 AM**

### PVC Ablation (LIVE)

**Faculty:** Dr. David Burkhardt and Dr. William Nesbitt

**Faculty Panel:** Dr. Luis Saenz and Dr. Miguel Valderrábano

**8:20 AM – 8:40 AM**

### Ischemic VT Ablation (LIVE)

**Faculty:** Dr. Amin Al-Ahmad and Dr. Javier Sanchez

**Faculty Panel:** Dr. Luis Saenz and Dr. Jayaprakash Shenthar

**8:40 AM – 9:00 AM**

### PVC Ablation (LIVE)

**Faculty:** Dr. Patrick Hranitzky and Dr. Kamala Tamirisa

**Faculty Panel:** Dr. Fermin Garcia, Dr. Pasquale Santangeli, and Dr. Elad Anter

**9:00 AM – 9:20 AM**

### Ablation Using Non-Contact Mapping - Persistent AF (LIVE)

**Faculty:** Dr. Andrea Natale

**Faculty Panel:** Dr. Dhanunjaya Lakkireddy and Dr. Amin Al-Ahmad

**9:20 AM – 9:40 AM**

### Bipolar Ablation for Difficult Septal VTs (Recorded)

**Faculty:** Dr. Wendy Tzou

**Faculty Panel:** Dr. Fermin Garcia, Dr. Pasquale Santangeli, and Dr. Elad Anter

**9:40 AM – 10:00 AM**

### Epicardial VT Ablation (LIVE)

**Faculty:** Dr. David Burkhardt and Dr. Senthil Thambidorai

**Faculty Panel:** Dr. Roderick Tung and Dr. Wendy Tzou

**10:00 AM – 10:10 AM Break**

**10:10 AM – 10:30 AM**

### PVC Wire Mapping and Ablation (Recorded)

**Faculty:** Dr. Fermin Garcia

**Faculty Panel:** Dr. Francis Marchlinski and Dr. Kalyanam Shivkumar

**10:30 AM – 10:50 AM**

### Hybrid Ablation of Inappropriate Sinus Tachycardia (Recorded)

**Faculty:** Dr. Dhanunjaya Lakkireddy

**Faculty Panel:** Dr. Amin Al-Ahmad and Dr. Andrea Natale

**10:50 AM – 11:10 AM**

### ILAM Mapping and Ablation of Ventricular Tachycardia (Recorded)

**Faculty:** Dr. Roderick Tung

**Faculty Panel:** Dr. Francis Marchlinski and Dr. Kalyanam Shivkumar

**11:10 AM – 11:30 AM Follow-Up of LIVE Cases**

**11:30 AM – 12:30 PM Lunch**

**11:45 AM – 12:15 PM**

### NON-CME - Product Theatre

"Accelerating the Future of LAAC procedures: Expert Panel Discussion on the use of ICE as the Primary Imaging Modality" - Hosted by Biosense Webster, Inc.

**Moderator:** Dr. Shephal Doshi

**Faculty Panel:** Dr. Luigi Di Biase, Dr. Miguel Valderrábano, Dr. Rodney Horton

## Session 4 - LAA Closure Cases

**12:30 PM – 12:50 PM**

### WATCHMAN FLX Implant (LIVE)

**Faculty:** Dr. Amin Al-Ahmad and Dr. William Nesbitt

**Faculty Panel:** Dr. Devi Nair and Dr. Dhanunjaya Lakkireddy

**12:50 PM – 1:10 PM**

### Lariat Device Implant (LIVE)

**Faculty:** Dr. David Tschopp and Dr. Senthil Thambidorai

**Faculty Panel:** Dr. Moussa Mansour and Dr. Dhanunjaya Lakkireddy

**1:10 PM – 1:30 PM**

### WATCHMAN FLX Implant (LIVE)

**Faculty:** Dr. Rodney Horton and Dr. Shane Bailey

**Faculty Panel:** Dr. Moussa Mansour and Dr. Srinivas Dukkipati

**1:30 PM – 1:50 PM**

### Conforma LAA Implant (Recorded)

**Faculty:** Dr. Amin Al-Ahmad

**Faculty Panel:** Dr. Srinivas Dukkipati and Dr. Luigi Di Biase

**1:50 PM – 2:10 PM**

### WATCHMAN Leak Radiofrequency Ablation (LIVE)

**Faculty:** Dr. Andrea Natale and Dr. Kamala Tamirisa

**Faculty Panel:** Dr. Devi Nair and Dr. Dhanunjaya Lakkireddy

**2:10 PM – 2:30 PM**

### WATCHMAN Leak Coil Closure (LIVE)

**Faculty:** Dr. Rodney Horton and Dr. Senthil Thambidorai

**Faculty Panel:** Dr. Jacqueline Saw and Dr. Dhanunjaya Lakkireddy

**2:30 PM – 2:40 PM Break**

**2:40 PM – 3:00 PM**

### Amulet Device Implant (Recorded)

**Faculty:** Dr. Dhanunjaya Lakkireddy

**Faculty Panel:** Dr. Jacqueline Saw and Dr. Andrea Natale

**3:00 PM – 3:20 PM**

### Lambre Device (Recorded)

**Faculty:** Dr. Claudio Tondo

**Faculty Panel:** Dr. Jacqueline Saw and Dr. Andrea Natale

**3:20 PM – 4:00 PM Follow-Up of LIVE Cases**



# EXHIBITORS

Thank you to our Exhibitors





# **Kansas City Heart Rhythm Symposium 2021**

**August 13 - 14, 2021  
Overland Park Convention Ctr.**

**[www.kchrs.com](http://www.kchrs.com)**





# ISLAA

International Symposium  
on Left Atrial Appendage

## 2021

9<sup>TH</sup> Annual  
International Symposium on Left Atrial Appendage

March 20 - 21, 2021  
**VIRTUAL CONFERENCE**

[www.islaasymposium.com](http://www.islaasymposium.com)



**“ I USE THE ADVISOR™ HD GRID  
MAPPING CATHETER, SENSOR ENABLED™  
IN EVERY ENSITE PRECISION™ SYSTEM AF  
REDO PROCEDURE. ”**

**– PROF. HELMUT PÜRERFELLNER  
ELISABETHINEN HOSPITAL | LINZ, AUSTRIA**



**SEE THINGS DIFFERENTLY WITH THE  
ADVISOR™ HD GRID MAPPING CATHETER,  
SENSOR ENABLED™**

**LEARN MORE AT  
[CARDIOVASCULAR.ABBOTT/CLOSETHEGAP](https://cardiovascular.abbott/closethegap)**

**CAUTION:** This product is intended for use by or under the direction of a physician. Prior to use, reference the Instructions for Use, inside the product carton (when available) or at [manuals.sjm.com](https://manuals.sjm.com) or [eifu.abbottvascular.com](https://eifu.abbottvascular.com) for more detailed information on Indications, Contraindications, Warnings, Precautions and Adverse Events.

™ Indicates a trademark of the Abbott group of companies.  
© 2020 Abbott. All Rights Reserved.

MAT-2000444 v2.0 | Item approved for global use.





# HOPE IS HERE!

## OPTIMIZER® SMART AND CARDIAC CONTRACTILITY MODULATION™

FDA designated "Breakthrough Technology" for patients meeting the following criteria:

- ✓ LVEF Range = 25%–45%
- ✓ Class III/IV
- ✓ Symptomatic Despite Guideline Directed Medical Therapy



CCM has been clinically proven to:

- ✓ **73 % Reduction in Hospitalization and CV Death Event Rate**  
from 10.8 % to 2.9 % (p=0.048)
- ✓ **Improve NYHA HF Status**  
At 24 weeks, 57 (81%) of treated patients experienced > 1-class NYHA improvement vs 32 (42%) control patients
- ✓ **Improve Quality of Life**  
as assessed by the Minnesota Living with Heart Failure Questionnaire by -11.7 points compared to control group patients (95% CI: -17.6 to -5.9 points)
- ✓ **Improve 6-Minute Hall Walk Distance**  
by 43.0m (+/- 80.7m) treatment vs 9.3m (+/- 87.4m) control (p = 0.0093)



For more information, visit our website at [impulse-dynamics.com](http://impulse-dynamics.com)

#### CONTRAINDICATIONS

##### OPTIMIZER® SMART IS CONTRAINDICATED IN:

1. Patients with permanent or long-standing persistent atrial fibrillation or flutter
2. Patients with a mechanical bicuspid valve
3. Patients at whom vascular access for implantation of the leads cannot be obtained

##### CCM HAS BEEN CLINICALLY PROVEN TO:

1. Improve NYHA HF Status – At 24 weeks, 57 patients (81%) in the CCM treatment group experienced at least a 1-class NYHA improvement compared with 32 patients (42%) in the control group
2. Improve Quality of Life as assessed by the Minnesota Living with Heart Failure Questionnaire by -11.7 points (95% CI: -17.6 to -5.9 points)
3. Improve 6-Minute Hall Walk Distance by 43.0 +/- 80.7 in the treatment group compared with 9.3 +/- 87.4 m in the control group (treatment group) (p = 0.0093)

<sup>†</sup>The label is referred to Abbott et al, 2016 (ACC HF) and Anker et al, 2019 (EHRF) for data supporting the above indications for use statement. These publications (Bruchyk et al, 2019; Li et al, 2018; Ruppel et al, 2018) demonstrate CCM cumulative benefit of long-term follow-up to over 200 patients. Moreover, data is available for long-term follow-up from 2 registry studies (Muller et al, 2007 and Anker et al, 2008) encompassing 202 patients for up to 5-years of follow-up. Continued assessment of safety and effectiveness for the long-term is being conducted in on-going post-market studies.

#### Impulse Dynamics

50 Lake Center Executive Parkway  
401 Route 73 N, Building 50, Suite 100  
Marlton, NJ 08053-3449  
(856) 642-9933 • [www.impulse-dynamics.com](http://www.impulse-dynamics.com)



Point your cellphone camera here  
to get more information on CCM® therapy



# AtriCure

## 97% Successful Left Atrial Appendage Closure Rate<sup>1,2</sup>

NO SERIOUS ADVERSE EVENTS

NO RESIDUAL CUL-DE-SAC > 1.0 CM

### Full AtriCure Dynamic Ad



### AtriClip PRO•V™ Device

Open-Ended Design with Tip-First Closure



### AtriClip PRO2® Device

Hoopless Deployment System

For Concomitant Minimally Invasive Surgery with 12 mm Port Compatibility

<sup>1</sup>Gerdisch, M. et al. (2018). Evaluation of the Surgical Technique and Impact of Epicardial Open-Ended Clip on LAA Exclusion AtriClip PRO•V™ LAA Occlusion Clinical Study. Proceedings from the Heart Rhythm Society Annual Meeting; May 9-12, 2018; Boston, MA. Poster B-P005-185

<sup>2</sup>Ailawadi et al, Exclusion of the Left Atrial Appendage with a Novel Device: Early Results of a Multicenter Trial. J Thorac Cardiovasc Surg, 2011, Nov; 142(5):1002-9, 9-8 Exhaustive bibliography is on file at AtriCure and will be made available upon request

Results from this case study are not predictive of results in other cases. Results in other cases may vary.

**U.S. Indications:** The AtriClip LAA Exclusion System is indicated for the occlusion of the heart's left atrial appendage, under direct visualization and in conjunction with other cardiac surgical procedures.

Direct visualization, in this context, requires that the surgeon is able to see the heart directly, with or without assistance from a camera, endoscope, etc., or any other viewing technology.

See [www.AtriCure.com/Products](http://www.AtriCure.com/Products) for a complete listing of contraindications, warnings, precautions and potential adverse events prior to using these devices.

Rx Only.

PM-US-0960B-1220-G



# INNOVATION IN SIGNAL ACQUISITION & PROCESSING

**PURE EP™**  
SEE MORE, CLEARLY



**36%**

Percentage of time the PURE EP™ System provides additional intracardiac signals with important clinical value\*

**>350**

Number of clinical procedures performed using the PURE EP™ System across all types of cardiac arrhythmias

**25**

Number of electrophysiologists currently using the PURE EP™ System

\*PURE EP™ 2.0 Study: Blinded, randomized study ESC Congress 2020

Interested in learning more about the PURE EP™ System? Email us at: [inquiry@biosigtech.com](mailto:inquiry@biosigtech.com)



**Enable Same Day Discharge for AF Ablation Patients\***

## Designed for EP Procedures

- Simple and Easy to Use
- Nothing Permanent Left Behind
- Single or Multiple Access Site Closure in One or Both Limbs

## Proven by EPs in AMBULATE<sup>1</sup>

**2.2 hrs** Median Time-To-Ambulation (3.9 hour reduction)<sup>1,2</sup>

**2.5 hrs** Median Time-To-Discharge Eligibility<sup>1,2</sup>

**63%** Improvement in All-Patient Satisfaction for Bed Rest Duration<sup>1,3</sup>

**58%** Reduction in Opioid Use<sup>1,4</sup>

To learn more visit [www.cardivamedical.com](http://www.cardivamedical.com) or call 866.602.6099

1. JACC Clinical Electrophysiology, October 2019; DOI: 10.1016/j.jacep.2019.08.019  
2. p-values from two-sided t-test for means, and two-sided Wilcoxon rank-sum test associated with medians, unadjusted for stratification factor  
3. Nominal p-values by two-sided t-test, not pre-specified, however actual results imply superiority  
4. Nominal p-value by 2-sided Fisher's exact test  
5. Cardiac ablation requiring two or more access sites within the same time. See VASCADE MVP-FU 3005 Indications for Use at [www.cardivamedical.com](http://www.cardivamedical.com)

## VASCADE MVP® VENOUS VASCULAR CLOSURE SYSTEM

**Early Ambulation.  
Simple. Proven.**

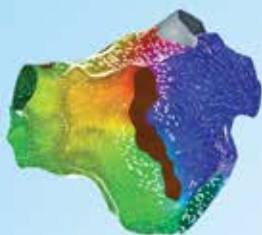


CARDIVA  
MEDICAL INC.

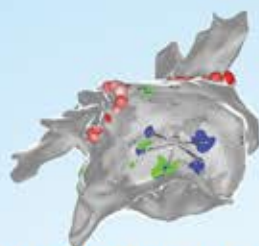
# CARTO PRIME®

Module

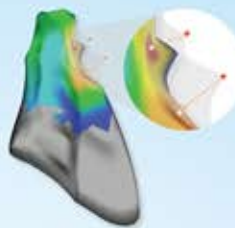
The **CARTO PRIME®** Module offers a suite of tools designed to accelerate the physician's ability to diagnose complex arrhythmias.



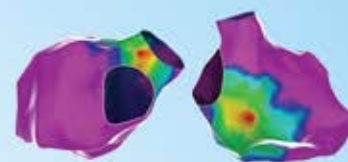
**Coherent Mapping**



**CARTOFINDER® Module**



**LAT Hybrid**



**Parallel Mapping**

Coherent Mapping may simplify the diagnosis of scar-related complex atrial arrhythmia. Coherent Mapping successfully identified the mechanism of scar-related atrial tachycardias in 98.3% of the cases.<sup>1</sup>

LAT Hybrid increases PVC mapping location accuracy by associating PVC activation to its corresponding Normal Sinus Rhythm location. An average position shift of 9mm was found between LAT Hybrid PVC Mapping Location and its associated Standard PVC Mapping Location.<sup>2</sup>

1. Anter E et al. Activation Mapping With Integration of Vector and Velocity Information Improves the Ability to Identify the Mechanism and Location of Complex Scar Related Atrial Tachycardias. *Circ Arrhythm Electrophysiol.* 2018;11:e006536.

2. De Potter T et al. Premature ventricular contractions cause a position shift in 3D mapping systems: analysis, quantification, and correction by hybrid activation mapping. *Eurospace.* 2020;10.1093

## Designed for Rapid Temperature Transfer

Proprietary sensor design enables early detection of critical temperature changes, facilitating better clinical decisions when seconds count

## Sinusoidal Shape

Intelligently positions 12 rapid-response sensors throughout the length and width of esophagus for more complete edge-to-edge coverage

## Electrically-Isolated Construction

Effectively protects against the risk of the RF Antenna Effect

# CIRCA S-CATH™

## ESOPHAGEAL TEMPERATURE MONITORING SYSTEM

### EARLY DETECTION

OF CRITICAL ESOPHAGEAL TEMPERATURE CHANGES

### HIGH-DENSITY

EDGE-TO-EDGE COVERAGE

### TRUSTED SOLUTION

USED IN >200,000 PROCEDURES WORLDWIDE



Indications for Use: The Esophageal Temperature Probe is intended for continuous temperature monitoring. The radiopaque probe is designed for placement in the esophagus.

14 Inverness Drive East, Suite H-136, Englewood, CO 80112 USA  
Office: +1 303 951 8767 • Fax: +1 303 951 8769  
[www.CIRCASCIENTIFIC.com](http://www.CIRCASCIENTIFIC.com)





# LIVE PROCEDURES WITH ROBOTIC EP

DEC 3 - 4, 2020

Celebrating  
Dr. David Burkhardt's

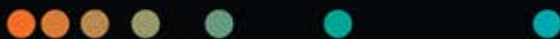
**2000<sup>th</sup>**

Robotic Ablation

 **STEREOTAXIS**  
@ EPLIVE - AUSTIN 2020

## Transforming care delivery

[siemens-healthineers.com/care-delivery](https://siemens-healthineers.com/care-delivery)



**SIEMENS**  
Healthineers 

# THANK YOU

EP Staff of St. David's Medical Center

Savannah Andres  
Bradley Armond  
James "Clay" Barron  
Barbara Bennett  
Chris Bush  
Jennifer Camp  
Julio Casas  
Tommy Chafizadeh  
Reggie Chambers  
Jennifer Chu  
Felicia Cornelius  
Matt Dare  
Michael Donaldson  
Brandon Doyle  
Sarah Frost  
Carola Gianni  
Samantha Hackney  
Walter Hernandez  
D' Janel Hughes  
Evelyn Joiner  
Eric Jordan  
Michelle Kimball  
Christian Labra

Beto Lopez  
Ray Miller  
Carlos Monreal  
Dee Mowrey  
Danielle Ruble  
Martin Santibanez  
Jaimie Schaetz  
Katherine Shea  
Trent Tauzin  
Daniel Valdez  
Joy Wake  
Natalie Blacklock  
Helen Bridwell  
Melissa Brown  
Peter Campbell  
Brett Dahl  
Roshani De Silva  
Kathleen Gregorczyk  
Megan Hill  
Brandy Larkin  
Amelia Logan  
Heather Ritschard  
Shalin Woody





## **UPCOMING LOCATIONS:**

**OMAN**

**CHINA**

**MILAN**

**INDIA**

**COLUMBIA**

**[www.ep-live.com](http://www.ep-live.com)**