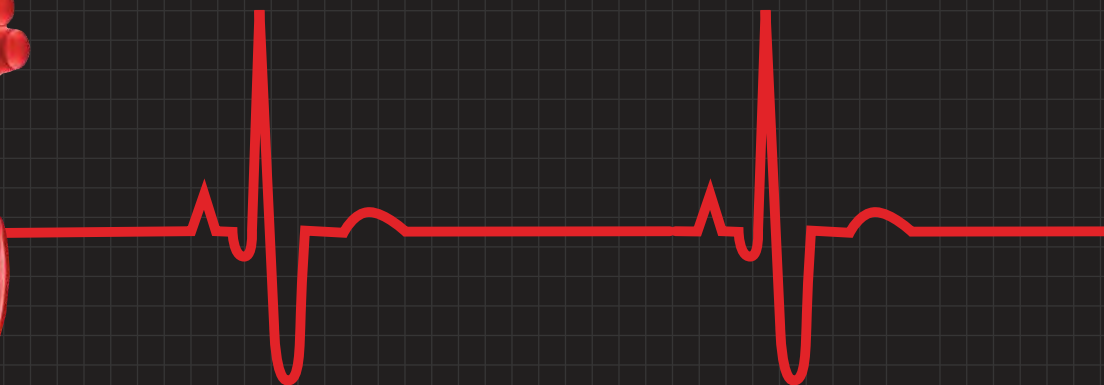
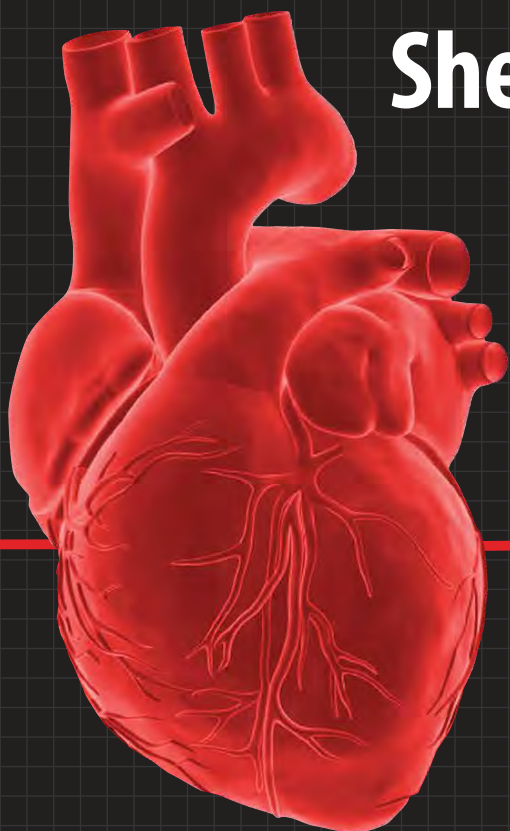


KANSAS CITY HEART RHYTHM SYMPOSIUM 2023

Sheraton Overland Park Hotel

August 19-20, 2023



Course Director:

Dhanunjaya Lakkireddy, MD, FACC, FHRS

Kansas City Heart Rhythm Institute, Overland Park, KS

Free CME/CE Credit

Co-Sponsored by:



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KANSAS CITY HEART RHYTHM SYMPOSIUM 2023

CONFERENCE OVERVIEW

The Kansas City Heart Rhythm Symposium is an electrophysiology-focused medical education event for the neighboring four-state region. A variety of topics will provide specialists and generalists an update on the evolution of disease processes, diagnostic tools, therapeutic strategies and ethical issues in the advancement of patient care. The purpose of this symposium is to update medical practitioners in the greater Midwest region as well as nationally on the future of cardiac electrophysiology (EP), and on new diagnosis and treatment guidelines in the care and management of patients with arrhythmias, heart failure and other issues impacting the electrical system of the body. Participants will learn about advances in ablation techniques, device management, appropriate use criteria, and survey new developments in guidelines and recommendations. A review of clinical trials that have helped change the clinical practice of EP will also be held. Participants in this symposium will examine the latest trends in left atrial appendage (LAA) treatment options and gain a greater understanding of anticoagulation and stroke prophylaxis.

This activity is designed for physicians, advanced practice nurses, registered nurses and allied health professionals in the fields of electrophysiology, interventional cardiology, interventional radiology, and vascular surgery.

LEARNING OBJECTIVES

Upon completion of this activity, learners will be able to:

- Discuss types of devices used for monitoring and treating arrhythmias.
- Demonstrate the use of imaging techniques to improve procedural outcomes.
- Apply guideline-endorsed, clinically applicable strategies to help resolve device-related issues.
- Summarize clinical trial results that can be applied to improving the safety and efficacy of electrophysiology (EP) procedures.
- Explain anticoagulation treatment and stroke prophylaxis options for cardiac patients.
- Examine clinical evidence for the latest trends in LAA treatments.

CME/CE INFORMATION – PHYSICIANS AND NURSES

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Academy for Continued Healthcare Learning (ACHL) and the Kansas City Heart Rhythm Symposium (KCHRS). ACHL is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION

Physicians: The Academy for Continued Healthcare Learning designates this live activity for a maximum of 12.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician assistants, nurse practitioners, and nurses may participate in this educational activity and earn a certificate of completion as AAPA, AANP, and ANCC accept *AMA PRA Category 1 Credits™* through their reciprocity agreements.

Nurses: Provider approved by the California Board of Registered Nursing, Provider Number 17273 for 12.25 contact hours. Partial credit may not be awarded for CBRN credit; participation in the complete activity is required.

METHOD OF PARTICIPATION

To receive credit: Go to www.ACHLcme.org; click on "Use Certificate Code"; enter the Certificate Code **49021092**; complete the evaluation, and your certificate will be immediately available to you.

Participants will receive an automated certificate. You may print or save this record for your files. It will also be sent to you via email to the address provided in your profile on www.ACHLcme.org. There is no fee for the generation of the certificate. Inquiries may be directed to ACHL at (877) 444-8435, ext. 160.

DISCLOSURES

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ACHL staff members, Kansas City Heart Rhythm Symposium staff members, and others involved with the planning, development, and review of the content for this activity have no relevant affiliations or financial relationships to disclose.

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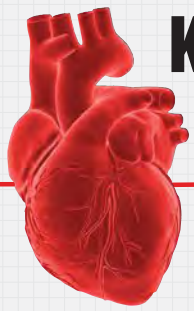
2023 PIONEER IN ELECTROPHYSIOLOGY AWARD RECIPIENT AND KEYNOTE SPEAKER



Samuel Lévy, MD

Professor of Medicine & Cardiology
Aix-Marseille University
Marseille, France

Pr Lévy is currently a full professor of medicine and cardiology at Aix-Marseille Université, School of Medicine, France. After medical and postgraduate training at the University of Paris, School of Medicine, Pr Lévy completed several fellowships in internal medicine and cardiology at Hospitals in France, University of Marseille as well as a senior fellowship at the University of Miami School of Medicine in USA from July 1971-July 1973. In 1975, he became professor of cardiology at the University of Bordeaux, and in 1979, he became professor of medicine and cardiology at the University of Marseille, School of Medicine. Pr Lévy was promoted in 1991 to First Class professor of cardiology and in 2003 he received the University's highest promotion as Professor of Exceptional Class ("Professeur de Classe Exceptionnelle"). Pr Lévy is a noted researcher in the study of cardiac arrhythmias particularly atrial fibrillation and electrophysiology, having authored or co-authored more than 300 related scientific papers and articles, as well as an investigator for a number of other clinical trials relating to management of cardiac arrhythmias. His special interests include also sudden cardiac death and implantable cardioverter defibrillators and congestive heart failure. He was part of the Committee who wrote the ACC/AHA/ESC Guidelines on Atrial Fibrillation (Circulation 2001) and on the Guidelines on Heart Failure of the European Society of Cardiology (European Heart J 2005). He serves on numerous professional journal editorial boards and is a leading member of international scientific and professional societies. He was chairman of the Working Group of Arrhythmias of the European Society of Cardiology and was a member of the Science Council and member of the Committee for nomination of Professors in cardiology in France (Conseil National des Universités). Pr Lévy was President of the Europace 2003 Meeting which was held in Paris in December 14-17, 2003, and organized in 2005-2019 and 2023 Annual Congress of the European Cardiac Arrhythmia Society (ECAS), an international Congress on Cardiac Arrhythmias well attended and allowing young fellows to meet with prestigious Faculty from over the world. He received in 2011 the "Prix Laennec" from the French Cardiac Society which is given annually to a cardiologist who contributes to the prestige of French Cardiology.



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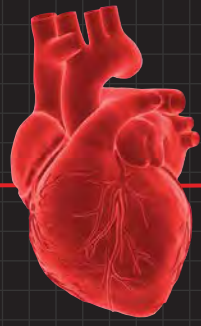
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Dr. Ralph Verdino

Perelman School of Medicine
Longboat Key, FL



KANSAS CITY HEART RHYTHM SYMPOSIUM 2023

SATURDAY & SUNDAY, AUGUST 19-20, 2023

COURSE PROGRAM

SATURDAY AUGUST 19, 2023 (ALL TIMES LISTED ARE CENTRAL TIME ZONE)

7:45-7:50 **Opening Remarks** – Dr. Dhanunjaya Lakkireddy

Session I: Electrophysiology During COVID – **Chairs:** Dr. Mina Chung and Dr. Thomas Deering

7:50-8:00 Heart Rhythm Society – Rediscovering and Redefining Its Mission – Dr. Jodie Hurwitz

8:00-8:10 Does COVID Provide a Disease Template for Cardiac Dysautonomia's and Chronic Fatigue Syndrome – Management Strategies – Dr. Minglong Chen

8:10-8:20 COVID-Related Cardiac Arrhythmias and Myocarditis – Diagnosis, Management, and Risk – Dr. Rakesh Gopinathannair

8:20-8:25 Case-Based Learning – Dr. Randy Nagarakanti

8:25-8:35 **Panel Discussion**

Session II: Thinking Outside the Box for Heart Failure, Defibrillation, and Pacing – **Chairs:** Dr. Kevin Kwaku and Dr. Rakesh Gopinathannair

8:35-8:45 Role of Cardiac Contractility and Vagal Nerve Stimulation in Managing Patients with Heart Failure – Dr. Jagmeet Singh

8:45-8:55 Subcutaneous and Substernal ICDs – Current Status – Dr. Naushad Shaik

8:55-9:05 State of the State in Leadless Pacing – Single, Dual, and CRT Systems – Dr. Ralph Verdino

9:05-9:15 Advances in Physiologic Pacing – State of the State in 2023 – Dr. Fred Kusumoto

9:15-9:25 Cardiac Reverse Remodeling – Evidence Based Impact of Novel Device Therapies on Arrhythmias and Ventricular Function – Dr. Sana Al-Khatib

9:25-9:30 Case-Based Learning – Dr. Poojita Shivamurthy

9:30-9:45 **Panel Discussion**

Session III: EP Pioneer Award Celebration – **Presenters:** Dr. Dhanunjaya Lakkireddy, Dr. Andrea Natale, Dr. Jodie Hurwitz and Dr. Sanjeev Saxena

9:45-9:50 **Award Recitation** – Dr. Sanjeev Saxena

9:50-10:20 **Pioneer in Cardiovascular Electrophysiology:** "Progress and Challenges in Atrial Fibrillation" – Dr. Samuel Levy

10:20-10:25 **Panel Discussion**

10:25-10:40 **Break**

Session IV: Prevention and Management of Cardiac Device Infections – **Chairs:** Dr. Christine Albert and Dr. Sunny Po

10:40-10:50 Breaking Barriers in Patient Care with CIED Infections – COGNITO Study and More – Dr. Ulrika Birgersdotter-Green

10:50-11:00 Role of Antibiotic Prophylaxis, Pouches, Rinses, and Other Techniques in Preventing CIED Infections – Dr. Andrea Russo

11:00-11:10 Bacteremia in a Patient with CIED – How Do You Manage? – Dr. Charles Love

11:10-11:15 Case-Based Learning – Dr. Justin Van Meeteren

11:15-11:30 **Panel Discussion**

Session V: Innovations in 3D Mapping and Imaging – **Chairs:** Dr. Rajesh Kabra and Dr. Mina Chung

11:30-11:40 Artificial Intelligence and Non-Conventional Mapping for Improved Success of Arrhythmia Ablation: Volta, Vivo, Rhythm AI and Accumap – Dr. DJ Lakkireddy

11:40-11:50 Insights into Arrhythmia Substrate Through Rapid Multipolar Mapping Technologies – Dr. Luigi Di Biase

11:50-12:00 3D/4D Intracardiac Echocardiography in EP Procedures? – Dr. Amin Al-Ahmad

12:00-12:05 Case-Based Learning – Dr. Rhea Pimentel

12:05-12:15 **Panel Discussion**

12:15-13:00 **Lunch**

Session VI: What Is New with Pulse Field Ablation in 2023 – **Chairs:** Dr. Andrea Russo and Dr. Kevin Kwaku

13:00-13:10 How Is PFA Different from RF and Why Is It Taking so Long to Figure It Out? – Dr. Douglas Packer

13:10-13:20 Current Data on PFA for AF Therapy? – Dr. Andrea Natale

13:20-13:30 Novel Catheter Technologies in PFA – Dr. John Hummel

13:30-13:40 What Is It That We Don't Know About PFA? – Dr. Moussa Mansour

13:40-13:45 Case-Based Learning – Dr. Luigi Di Biase

13:45-14:00 **Panel Discussion**

Session VII: Improving the Efficiency of Ablation – **Chairs:** Dr. Douglas Packer and Dr. Andrea Natale

14:00-14:10 Does LAA Electrical Isolation/Elimination Have an Adjunctive Role in the Treatment of Non-Paroxysmal AF: Deep Dive into the Amaze Data? – Dr. DJ Lakkireddy

14:10-14:20 Identification and Modification of Left Atrial Scar as a Rx Strategy in Advanced AF Patients – A Critical Appraisal – Dr. Bradley Knight

14:20-14:30 Hybrid Ablation – Who, When and How? – Dr. S. Chris Malaisrie

KANSAS CITY HEART RHYTHM SYMPOSIUM 2023

COURSE PROGRAM (CONTINUED)

- 14:30-14:40 Role of Non-Contact Mapping in Defining Substrate and Non-PV Triggers for Improved Ablation Outcomes – Dr. Dhanunjaya Lakkireddy
- 14:40-14:50 The AF-HFpEF Syndrome –Data-Driven Management Strategies – Dr. Sanjeev Saxena
- 14:50-14:55 Case-Based Learning – Dr. Ahmed Romeya
- 14:55-15:10 **Break**
- Session VIII: Lifestyle Medicine and Electrophysiology – Chairs:** Dr. Jane Chen and Dr. Jodie Hurwitz
- 15:10-15:20 Weight Loss and Sleep Apnea in AF Management – Dr. Scott Koerber
- 15:20-15:30 Strategies for improving Health Equity in Arrhythmia Care – Dr. Thomas Deering
- 15:30-15:35 Case-Based Learning – Dr. Krishna Pothineni
- 15:35-15:45 **Panel Discussion**
- Session IX: Practical Issues in Arrhythmia Management – Chairs:** Dr. Thomas Deering and Dr. S. Chris Malaisrie
- 15:45-15:55 How to Use IV Sotalol to Improve Efficiency and Safety of AAD Loading? DASH AF and more – Dr. Bradley Knight
- 15:55-16:05 What Is the Real Value of Genetic Screening in Electrophysiology – Dr. Mina Chung
- 16:05-16:15 Vascular Closure Devices for EP Procedures – Plugs, Sutures, and Other Novel Compression Devices – Dr. Rajesh Kabra
- 16:15-16:25 Understanding the Regulatory Processes Behind EP Reimbursement – Dr. Thomas Deering
- 16:25-16:35 Implantable Cardiac Monitors for Long Term Dynamic Arrhythmia Care – Dr. Christine Albert
- 16:35-16:40 Case-Based Learning – Dr. Fred Kusumoto
- 16:40-17:00 **Panel Discussion**

SUNDAY, AUGUST 20, 2023

- 7:50-0800 Updates from HRS – Ms. Patricia Blake, CEO of HRS
- Session X: Stroke Prophylaxis and Left Atrial Appendage Management – Chairs:** Dr. Fred Kusumoto and Dr. Scott Greenberg
- 8:00-8:10 Novel Oral Anticoagulants in Stroke Prophylaxis – Dr. Andrea Russo
- 8:10-8:20 Stroke Prophylaxis and LAA Epicardial and Endocardial Occluders – Where Are We Today? – Dr. Saibal Kar
- 8:20-8:30 Practical Issues After LAAO and Management Strategies – Dr. Moussa Mansour
- 8:30-8:40 Do You Still Need LAA Closure After AF Ablation – Who, When, and How? – Dr. Christopher Ellis
- 8:40-8:50 How to Manage Cryptogenic Stroke Better – Bringing the Neurologists and Electrophysiologists Together – Dr. Rawan Albadreen
- 8:50-8:55 Case-Based Learning – Dr. Scott Koerber
- 8:55-9:10 **Panel Discussion**
- Session XI: Digital Health and Innovations in Electrophysiology – Chair:** Dr. Jie Cheng
- 9:10-9:20 Smart Watches and Other Digital Tools in Cardiovascular/EP Practice? – Dr. Sana Al-Khatib
- 9:20-9:30 Artificial Intelligence and Machine Learning in Arrhythmia Care and Practice Management – Dr. James Osorio
- 9:30-9:40 Innovations in Wearable External Defibrillators – Dr. Jane Chen
- 9:40-9:50 Digital Revolution and EP Future – What is in the Pipeline – Dr. Rajesh Kabra
- 9:50-9:55 Case-Based Learning – Dr. Poojita Shivamurthy
- 9:55-10:10 **Break**
- Section XII: Managing Ventricular Arrhythmias – Chairs:** Dr. Douglas Packer and Dr. Bradley Knight
- 10:10-10:20 What Is the Most Practical Approach to Performing VT Ablation? – Dr. Andrea Natale
- 10:20-10:30 Role of Remote Magnetic Navigation in VT Ablation – Dr. David Burkhardt
- 10:30-10:40 Ventricular Arrhythmias and Arrhythmogenic Myocarditis – A Global Perspective – Dr. Krishna Pothineni
- 10:40-10:50 Tackling Difficult Anatomic Substrates in VT/PVC Ablation – ETOH, Bipolar Ablation, and More – Dr. Sunny Po
- 10:50-10:55 Case-Based Learning – Dr. John Hummell
- 10:55-11:10 **Panel Discussion**
- Session XIII: Electrophysiology Practice Concepts – Chairs:** Dr. Andrea Natale and Dr. Rhea Pimentel
- 11:10-11:20 Autonomic Modulation in Arrhythmia Care – Dr. Justin Hayase
- 11:20-11:30 Going Back to Old School – Leveraging EGMs to Improve Efficacy, Safety of Ablation – Dr. Amin Al-Ahmad
- 11:30-11:40 Advocacy 360 – Grassroots Perspectives of a Practicing EP – Dr. Scott Greenberg
- 11:40-11:50 Remote Monitoring in EP Practice – Impact on Patient Care and Practice Viability – Dr. Kevin Kwaku
- 11:50-12:00 Novel Interventions in the Management of Inappropriate Sinus Tachycardia, Vasovagal Syncope, and POTS – Dr. Carlo de Asmundis
- 12:00-12:10 Exercise and Mind-Body Modulation in Arrhythmia Management – Dr. Linda Ottobani
- 12:10-12:20 **Panel Discussion**
- 12:20-12:30 **Closing Remarks** – Dr. Dhanunjaya Lakkireddy



ACKNOWLEDGEMENTS

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This symposium is supported through educational grants from

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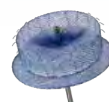
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Meet the PaceMate Team

Kansas City Heart Rhythm Symposium

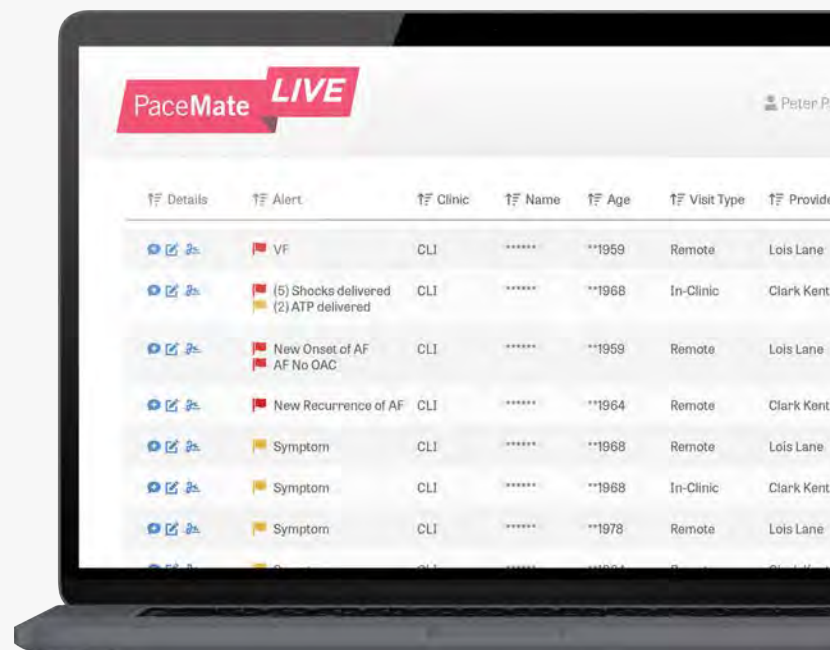
Kansas City, KS

August 19-20, 2023

Live Software Demos

Customize, prioritize, and auto-triage your patients' alerts—only with PaceMateLIVE.

- ✓ Built to manage all your cardiac data in one platform
- ✓ Integrated with all EHRs
- ✓ The only cardiac RM platform integrated with all device types: *ambulatory, implanted, heart failure, and consumer ECGs*



We never miss a beat.®

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CLINICAL EVIDENCE FOR ROBOTICS IN EP

DATA TRANSPARENCY

Because safety and better outcomes for patients are your first priorities



ROBOTIC VS. MANUAL

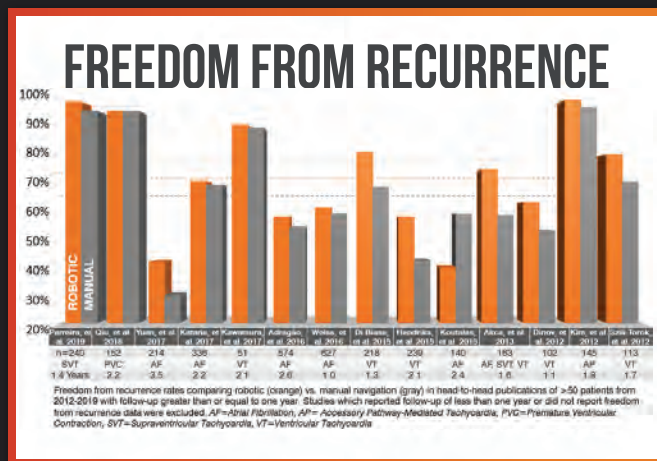
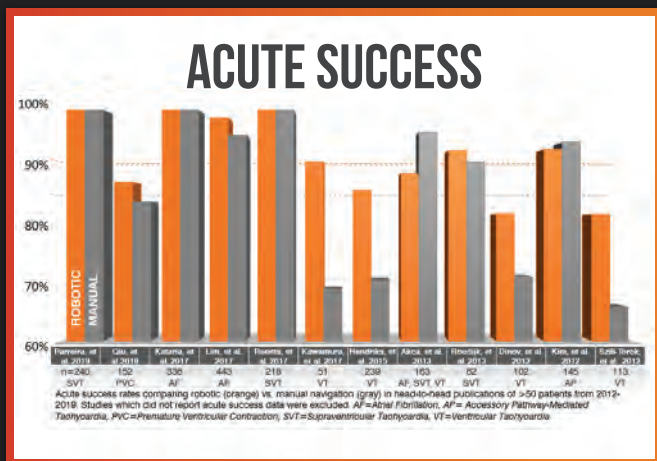
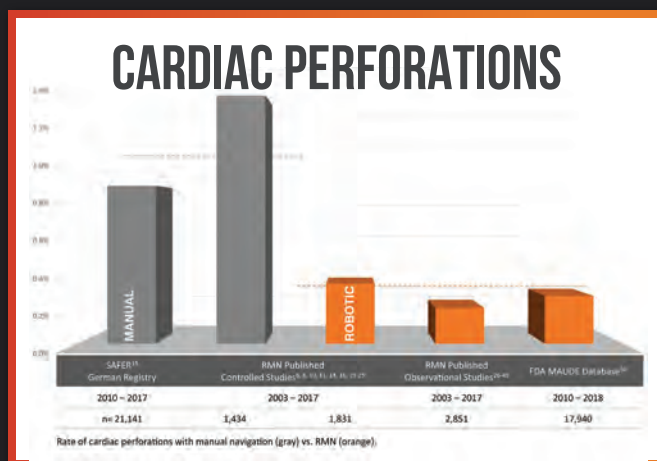
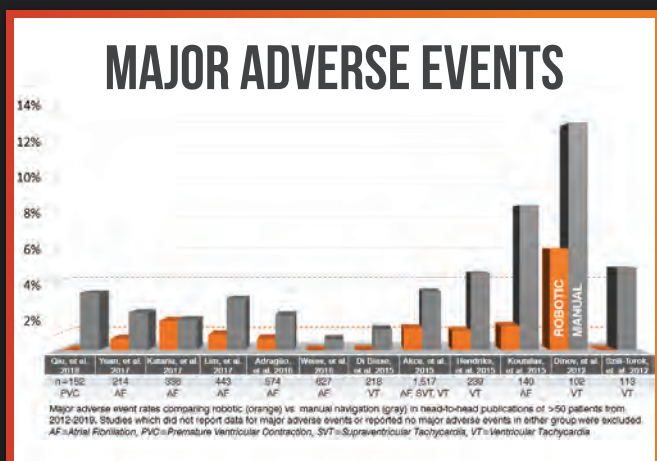


>50 PATIENTS



2012-2020

We believe data should be presented clearly and comprehensively. That's why we present data from all known publications describing **robotic** vs. manual cardiac catheter ablations in head-to-head comparisons with greater than 50 patients since 2012.



Stereotaxis robotic technology has been described in more than 400 scientific publications. Review the above data in detail and discover the full, searchable database of publications at www.RoboticEP.com/clinical-data

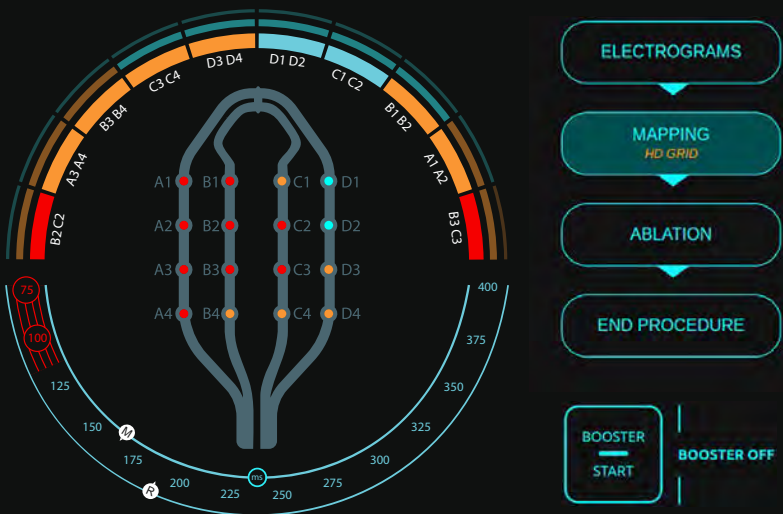


VOLTA

MEDICAL

TRANSFORMING EP DATA INTO AI SOLUTIONS

Volta Medical is a **data-inspired, AI solutions EP company** whose mission is to aid in the assessment of **complex arrhythmia pathologies**.

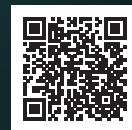


VOLTA

AF-Xplorer™

AI Companion Designed for the Assessment of Complex AF & AT During Ablation Procedure

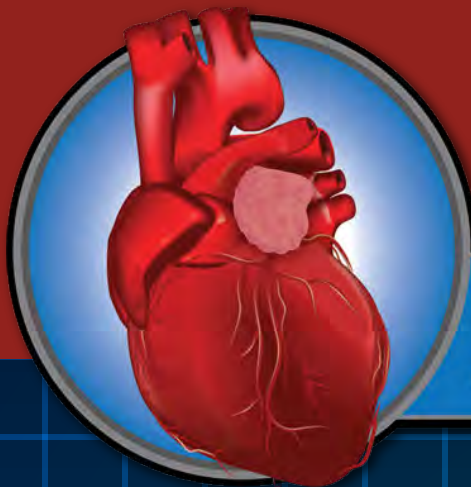
Learn More about the Technology & Clinical Evidence >>



Brings the acute and long-term outcomes of expert electrophysiologists inside your EP lab — by automatically detecting dispersed electrograms indicative of arrhythmia's drivers.

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CAUTION: Federal (United States) law restricts this device to sale by or on the order of a physician. See User Manual/Instructions for Use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events. • ™ Indicates a trademark of SUBSTRATE HD SAS. • ©2023 Volta Medical, Inc. All rights reserved. Reproduction or transmission of this document or part of this document in any format or by any means without written permission from Volta Medical is not authorized.



ISLAA

International Symposium
on Left Atrial Appendage

2024

12TH Annual
International Symposium
on Left Atrial Appendage

March 1-2, 2024
New York City, NY

www.islaasymposium.com



EPLive '24 Austin

April 18-19, 2024

**St. David's Medical Center
Austin, TX**

HYBRID EVENT

COURSE OVERVIEW

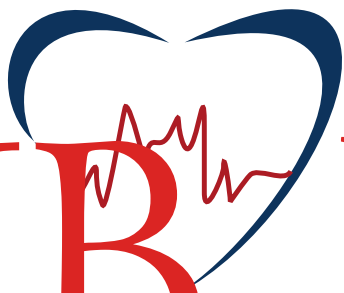
The primary goal of EPLive Austin is to focus on practicing electrophysiologists, EP fellows in training and associated professionals to help meet the educational needs of practicing groups. Our focus will be in arrhythmia treatment including: atrial fibrillation, ventricular arrhythmias, implanting cardiac devices and new technologies regarding advances in electrophysiology

HIGHLIGHTS INCLUDE

- Live Cases
- Expert Discussion
- Interactive Sessions

www.EP-Live.com

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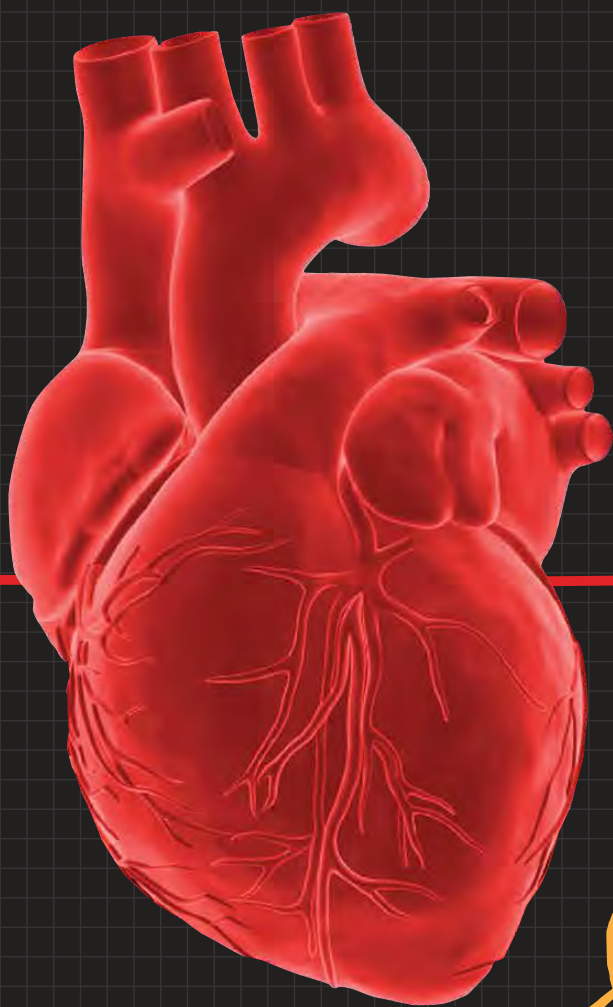


Journal of Atrial Fibrillation
& Electrophysiology

Coming soon...
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New website.
New journal design.

KANSAS CITY HEART RHYTHM SYMPOSIUM 2024



Save the Date

August 17-18, 2024

www.kchrs.com