

LIVE! And In-Person!

CVI's 12th Annual EP/Arrhythmia Management Update

Sunday February 26, 2023

Hilton Philadelphia at Penn's Landing

201 South Columbus Boulevard, Philadelphia, PA

7.5 CME/CEU Credits for All

7.0 ABIM MOC Knowledge Points
for Physicians Who Board Certify



\$50
Early-Bird
Registration
Discount & Free
Apple iPad Drawing
by 2/10/23

Course Directors:

Scott Hessen, MD

Colin Movsowitz, MD

Matthew Goldstein, MD

Steven Rothman, MD

Reginald Ho, MD

Robert Schaller, DO

Erica Zado, PA-C

Edmond Cronin, MD

Jointly provided by:



Register online: cviphiladelphia.org

Goals & Objectives

Why you should attend:

CVI's 12th Annual EP/Arrhythmia Management is designed as a program focusing on what every physician/healthcare provider needs to know about diagnosis and management of patients with arrhythmias and various electrophysiologic syndromes.

This year's program focuses on: Anatomic Basis of Arrhythmia; Genetic Basis of Sudden Cardiac Death; Leadless/Conduction System Pacing; AI & EP; Cardiopulmonary Stimulation; Non-Invasive Radiation; Remote Monitoring; Factor 11 Anticoagulation; HF Management in the EP Lab; Cardioneuroablation; and EP Implications of PCI.

CVI EP features several interactive ECG Spotlight Sessions, this year focusing on Paced ECG Interpretation, Ambulatory ECGs, and ECGs to Diagnose the Need for a Pacemaker.

The goal of our program is to improve patient care and outcomes for those suffering from arrhythmias and various electrophysiologic syndromes.

CVI EP also offers physicians the opportunity to receive up to 7.0 MOC Knowledge Points from the ABIM.** Awarding of MOC points requires additional fee, attestation, post program evaluation and test questions.

Target Audience:

Cardiologists, electrophysiologists, primary care, emergency, family practice, heart failure specialists, internal and geriatric medicine physicians, fellows, residents, nurse practitioners, physician assistants, nurses, EP Lab staff and certified medical assistants who participate in the care of patients with arrhythmias, cardiac rhythm disorders and cardiovascular disease.

Learning Objectives:

After attending CVI's 12th Annual EP/Arrhythmia Management Update CME program, attendees will be better able to:

- Describe the methods to correlate anatomy and arrhythmia locations for ablation
- Develop an approach to integrate mapping with cardiac anatomy
- Identify common genetic causes of sudden cardiac arrest
- Identify the major categories of inherited channelopathies that can lead to sustained ventricular arrhythmias
- Describe the role of Genetic Counselors in cardiovascular genetic testing
- Explain the differences between traditional dual chamber pacemaker implantation, and the different forms of conduction system pacing
- Describe the differences between traditional leaded pacemaker implantation, and leadless pacemaker implantation
- Compare and contrast the advantages and disadvantages of conduction system pacing versus leadless pacing
- Identify the EKG findings associated with different RV pacing sites
- Identify the EKG findings associated with His Bundle pacing and Left Bundle Area pacing
- Identify the EKG findings associated with Coronary sinus pacing
- Review basic terminology and methods of machine learning and artificial intelligence in cardiac electrophysiology
- Identify some areas of EP that are being enhanced with AI methods
- Discuss limitations of some current ML/AI models used in EP
- Identify the patient population who may benefit from cardiac contractility modulation
- Describe the role of baroreceptor activation therapy in heart failure management
- Discuss the utility of pulmonary artery pressure management in reducing hospital admissions for heart failure
- Review the available evidence on the effect of sleep apnea therapy and cardiovascular outcomes
- Discuss alternative therapeutic options for sleep apnea
- Explain how radiation therapy can be used to treat arrhythmia
- Identify the patient population that may be considered for noninvasive cardiac radioablation as a salvage therapy
- Identify important findings commonly observed with ambulatory electrocardiography
- Discuss the role of ambulatory ECGs in diagnosing palpitations
- Explain the role of ambulatory ECGs in diagnosing bradyarrhythmias
- Identify the measured parameters when performing remote monitoring of cardiac implantable electronic devices
- Differentiate between remote follow up and remote monitoring
- Explain how remote patient management was born out of the COVID-19 pandemic
- Compare and contrast similarities and differences between Factor Xa and Factor XI inhibition
- Highlight the opportunities and challenges associated with the next generation of anticoagulants
- Identify heart rhythm disorders that can lead to heart failure
- Refer patients to appropriate providers who can treat electrical problems that may be exacerbating heart failure
- Apply procedural knowledge that may result in better patient outcomes
- Explain the relationship between autonomic vagal ganglia and inputs to the sinus node and atrioventricular node
- Discuss the percutaneous catheter-based techniques to target vagal ganglionated plexi
- Describe outcomes of cardioneural ablation (CNA) procedures
- Explain common arrhythmia implications of structural heart disease interventions
- Develop strategies to manage and minimize arrhythmia implications resulting from structural heart interventions
- Explain indications for pacemaker implantation
- Recognize ECG abnormalities causing bradycardia

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 Einstein Healthcare Network and The Cardiovascular Institute of Philadelphia (CVI). Einstein Healthcare Network is accredited by the Pennsylvania Medical Society to provide continuing medical education for physicians.

Credit Designation Statement

AMA: Einstein Healthcare Network designates this Live Event for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Please note: Physicians accrediting through AOA will receive an AMA certificate of attendance which they may submit to the AOA for a maximum of 7.5 credits in Category 2A of the American Osteopathic Association.

Advanced Practice Providers, Nurses and all other healthcare professional attendees will also receive an AMA certificate of attendance for a maximum of 7.5 credit hours to be submitted to their respective accreditation bodies.

MOC Statement

****Medical Knowledge MOC Credits/Points:** Successful completion of this CME activity enables the participant to earn up to 7.0 Medical Knowledge MOC Points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points. Awarding of MOC points requires additional attestation, post program evaluation and test questions.

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Conflict of Interest Statement

Faculty and all others who have the ability to control the content of continuing medical education activities sponsored by the Pennsylvania Medical Society are expected to disclose to the audience whether they do or do not have any real or apparent conflict(s) of interest or other relationship(s) related to the content of their presentation(s).

Acknowledgement

All commercial support in the form of educational grants and display support will be acknowledged in the syllabus, on signage and verbally before the start of the program.

In-Person Program Agenda

Please Note: No virtual or on-demand options are planned

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♥ Introduction and Overview

Steven Rothman, MD 7:45am–8:00am

♥ The Anatomic Basis of Arrhythmia

Sam Asirvatham, MD 8:00am–8:30am

♥ SCD: Is it in the Genes?

John Clark, DO & Cristina Nixon, MS 8:30am–9:15am

♥ What is the Future of Leadless and Conduction System Pacing?

Matthew Goldstein, MD, Behzad Pavri, MD; *Discussants*
Edmond Cronin, MD; *Moderator* 9:15am–10:00am

♥ ECG Spotlight: Paced ECG Interpretation

Colin Movsowitz, MD 10:00am–10:15am

BREAK 10:15am–10:45am

♥ Basics of AI for EP: Perfect Together?

Mina Chung, MD 10:45am–11:15am

♥ Unconventional Modes of Cardiopulmonary Stimulation 11:15am–12:00pm

New Devices to Treat EP Patients with Heart Failure

Isaac R. Whitman, MD

Cardiovascular Consequences of Sleep Apnea Therapy:

What is Known and Future Directions

Maria Vega-Sanchez, MD

♥ Non-Invasive Radiation

Jeffrey Arkles, MD 12:00pm–12:30pm

♥ ECG Spotlight: Ambulatory ECGs

Reginald Ho, MD & Charles Gottlieb, MD 12:30pm–12:45pm

LUNCH 12:45pm–1:30pm

♥ The Future of Remote Monitoring

Colin Movsowitz, MD 1:30pm–2:00pm

♥ New Frontiers in Anticoagulation Factor 11: The Final Frontier?

Michael Ezekowitz, MD 2:00pm–2:30pm

♥ How an Electrophysiologist Can Treat HF

Robert Schaller, DO 2:30pm–3:00pm

♥ Cardioneuroablation: Not for the Faint of Heart

Pasquale Santangelli, MD 3:00pm–3:30pm

♥ EP Implications of Percutaneous Interventions

Roberto Rodriguez, MD 3:30pm–4:00pm

♥ ECG Spotlight: Does This Patient Need a Pacemaker?

Steven Rothman, MD 4:00pm–4:15pm

Review and Closing

Robert Schaller, DO 4:15pm–4:30pm