

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 leadless 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.

Course Directors

Scott E. Hessen, MD FACC

Chief Medical Information Officer
Cardiac Electrophysiologist
Cardiology Consultants of Philadelphia at Jefferson

Colin M. Movsowitz, MD FACC

Cardiac Electrophysiologist
Cardiology Consultants of Philadelphia
Lankenau Heart Institute at Paoli

Matthew A. Goldstein, MD

Cardiac Electrophysiologist
Cardiology Consultants of Philadelphia
Lankenau Heart Institute at Paoli

Reginald T. Ho, MD FACC FHRS

Professor of Medicine
Sidney Kimmel Medical College at
Thomas Jefferson University

Steven A. Rothman, MD FACC

Clinical Associate Professor
Lankenau Institute of Medical Research
Medical Director, Lankenau Heart Group

Robert Schaller, DO MS FHRS

Assistant Professor of Clinical Medicine
Director, Cardiac Device and Lead Extraction Programs
Hospital of the University of Pennsylvania

Erica S. Zado, PA-C FHRS

Physician Assistant
Hospital of the University of Pennsylvania
Section Editor, Heart Rhythm Journal

Edmond Cronin, MB BCh BAO FHRS

Associate Professor
Lewis Katz School of Medicine at Temple University
Director, Electrophysiology Laboratory
Temple University Hospital

Invited Faculty

Jeffrey Arkles, MD

Assistant Professor of Medicine
Perelman School of Medicine
Hospital of the University of Pennsylvania
Lancaster General Hospital

Sam Asirvatham, MD

Consultant, Department of Cardiovascular Medicine
Professor of Medicine and Pediatrics
Vice Chair, Innovation in the Midwest
Director of Strategic Collaboration, Center for Innovation
Program Director, EP Fellowship Program
Medical Director, Electrophysiology Laboratory
James M. and Lee S. Vann Professorship, Cardiovascular Medicine

Mina K. Chung, MD, FHRS

Professor of Medicine
Cardiac Pacing and Electrophysiology
Department of Cardiovascular Medicine, Heart, Vascular and
Thoracic Institute
Department of Cardiovascular & Metabolic Sciences, Lerner
Research Institute
Cleveland Clinic
Cleveland Clinic Lerner College of Medicine of Case Western
Reserve University

John M. Clark, DO

Heart Failure Cardiologist
Director of Cardio Genetics
Lankenau Heart Institute

Michael D Ezekowitz, MBChB., DPhil., FRCP, FAHA, FACC

Professor of Medicine
Sidney Kimmel Medical College at Thomas Jefferson University
Attending Cardiologist
Lankenau Medical Center, Bryn Mawr Hospital

Charles Gottlieb, MD

Cardiac Electrophysiologist (Retired)

Cristina Nixon, MS

Cardiovascular Genetic Counselor
Main Line Health

Behzad B. Pavri, MD

Professor of Medicine
Director, Cardiac Electrophysiology Fellowship Program
Thomas Jefferson University Hospital

Roberto Rodriguez, MD, MS, FACS, FACC

System Surgical Director,
Structural Heart Program
Main Line Health
Associate Professor of Surgery
Sidney Kimmel Medical College

Pasquale Santangelli, MD, PhD

Associate Section Head, Cardiac Electrophysiology
Director of the Ventricular Tachycardia Program
Cleveland Clinic Foundation

Maria Elena Vega-Sanchez, MD

Associate Professor of Medicine
Program Director, Pulmonary Critical Care Medicine Fellowship
Department of Thoracic Medicine and Surgery
Lewis Katz School of Medicine at Temple University

Isaac R. Whitman, MD

Assistant Professor of Medicine
Division of Cardiology, Section of Cardiac Electrophysiology
Lewis Katz School of Medicine at Temple University Hospital

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

CVI's 12th EP/Arrhythmia Management Update

7.5 CME/CEU Credits for All

- ♥ 7.0 ABIM Medical Knowledge MOC Points for physicians who certify through the American Board of Internal Medicine

♥ 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

Make Yourself a Note to Save These Dates!

CVI's 15th Annual
Echocardiography
Update

Sunday,
January 15, 2023
Loews Philadelphia Hotel

CVI's 6th Annual
Cardiology Fellows
Program:

What Every Fellow Needs to Know
About Interventional Cardiology

Friday & Saturday,
February 3 & 4, 2023
Hilton Philadelphia at Penn's Landing

CVI's 12th Annual
Electrophysiology/
Arrhythmia
Management Update

Sunday,
February 26, 2023
Hilton Philadelphia, Penn's Landing

CVI's 19th Annual
Update in
Nuclear Cardiology

Sunday,
March 26, 2023
Loews Philadelphia Hotel

CVI's Inaugural
Philadelphia Heart
Failure Symposium

Sunday,
April 30, 2023
Loews Philadelphia Hotel

Register for CVI
CME/CEU/SDMS/
VOICE Programs

At CVI, your safety is our goal!

We continue our commitment to the health, safety and well-being of all of our Health Care Heroes who choose to join us for CVI programs. With that in mind, we pledge to make every effort to reduce the spread of Covid and other viruses at CVI events.

- **All registrants, faculty, exhibitors and staff are required to upload proof of Covid vaccination prior to attending any CVI program**
- Although not required, we welcome guests to wear masks inside when not actively eating, drinking or speaking from the podium
- We use a color-coded system on name tags to disclose attendees who prefer to interact at a distance — or to remain fully distanced and avoid interaction during their time with us
- We require that our host facilities increase the number of restroom cleanings throughout the day
- Hand sanitizer is available throughout the meeting space
- In the meeting space, seating will be spaced out as much as possible
- You will have the option of eating your lunch in a dining room setting, or taking it back to your individual conference seat, to allow for increased distancing

We welcome your additional suggestions as to how we can make our in-person programming as safe as possible for you and all of our guests.

For more information on CVI In-Person Safety Protocols, and details about all of our in-person and virtual programs, please visit us online at cviphiladelphia.org.

Watch your email – or visit us online at cviphiladelphia.org for more details!



CVI's 12th Annual EP/Arrhythmia Management Update

Sunday, February 26, 2023

Registration Form



Sign up and pay your registration by Tuesday, February 10th and **SAVE \$50** off your registration fee!

	Early Bird Discount (by 2/10/23)	Regular Price (after 2/10/23)	Total
Physicians/Industry	___ @ \$125	___ @ \$175	\$ _____
ABIM MOC Knowledge Points: Awarding of MOC points requires additional attestation, post program evaluation and test questions	N/A	___ @ \$50	\$ _____
Fellows, Residents & Trainees	___ @ \$75	___ @ \$125	\$ _____
Advanced Practice Professionals, EP Lab Staff, Nurses, MAs and All Other Health Professionals	___ @ \$75	___ @ \$125	\$ _____
Apple iPad Drawing Entry	FREE	N/A	FREE
Pay by Visa/MC/Amex: Add \$6 per registration* ___ x \$6 = \$ _____			
			GRAND TOTAL: \$ _____

*Prices above reflect discount of \$6 for payment by cash or check.
Please add \$6 for a Visa/MC/AMEX payment

You MUST register in advance to attend the sessions. Register online at cvphiladelphia.org
Sorry no virtual or on-demand options for this program.

Name _____
Degree _____ Gender ☐ M ☐ F
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For MOC Points Only: Date of Birth _____ ABIM ID# _____
Clinical Position _____ Clinical Affiliation Name _____
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Course Registration Cancellation Policy:

Requests in writing for refunds, less \$35 administrative fee, by February 18, 2023 processed after the meeting. Registrations are transferable with prior notification to CVI by February 18, 2023.

Please note: CC processing fee will be deducted from all refunds and paid by check after the program.

Registrants are required to upload proof of vaccination with registration

By registering, you agree to upload proof of your COVID vaccination. You will receive an email with a link to upload the proof. Without proof of COVID vaccination, you will not be permitted to enter the meeting space, will not receive CME/CEU credits and will not be eligible for a refund of the registration fees. We appreciate your compliance.

Syllabus

Several days prior to the program, syllabus including presentations will be available for download from a secure website. At the conference, neither printers nor electrical outlets are available for attendee use. Faculty PowerPoint presentations are for the use of course attendees only, pre and post conference. This material may not be used, shared nor distributed electronically.

FREE Apple iPad Drawing

In order to be entered into the FREE Apple iPad Drawing, you must:

- Register and pay for CVI's 12th Annual EP Arrhythmia Management Update by 5:00pm on Tuesday, February 10, 2023.
- Submit your fully completed online program evaluation by 5:00pm on Monday, April 3, 2023.
- And you are entered to win ... ***It's as easy as that!*** Winner will be contacted via email.