

# CVI's 10th Annual EP/Arrhythmia Update: Clinical Controversies & Case Presentations

Watch Live:

**Session 1**

Sun. Feb. 21, 2021 (3.25 Credits)

**Session 2**

Mon. Feb. 22, 2021 (2.75 Credits)

**Session 3**

Wed. Feb. 24, 2021 (2.5 Credits)

On-Demand Recorded Sessions  
for Credits Too!

Through Apr. 10, 2021

\$35 Early-Bird  
Registration Discount  
& Free Apple iPad  
Drawing by 2/12/21

8.5 CME/CEU Credits for All  
7.75 ABIM MOC Knowledge Points



## Course Directors:

Scott Hessen, MD  
Charles Gottlieb, 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](http://cviphiladelphia.org)

# Goals & Objectives

## Why you should attend:

CVI's 10th Annual EP/Arrhythmia Management Update focuses on updates in electrophysiology of which everyone in clinical practice should be aware to provide outstanding care and improve outcomes for patients with arrhythmias and various electrophysiologic syndromes.

This year's program focuses on Clinical Controversies in Electrophysiology & Case Presentations. Throughout our program we utilize a point/counterpoint format and moderated provocative discussions to highlight differing clinical perspectives on Conventional CRT vs Conduction System Pacing; Whether or Not to Wear a Defibrillator Vest; Subcutaneous vs Transvenous ICDs; and Left Atrial Appendage Closure vs Pharmacologic Therapy. Regional cardiology fellows will introduce topics by sharing related patient cases. We also offer several case-based presentation sessions on Appropriate Therapy for Atrial Fibrillation; Remote Monitoring of Arrhythmias; and the Darker Side of Anti-Arrhythmic Agents; and highlight a special session on Must Know EECGs: Oft-Missed ECG Observations that are Clinically Important.

Our agenda also offers physicians the opportunity to receive up to 7.75 MOC Knowledge Points from the ABIM.\*\* Awarding of MOC points requires additional attestation, post program evaluation and test questions.

## Target Audience:

Cardiologists, electrophysiologists, primary care, emergency, family practice, 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 10th Annual EP/Arrhythmia Management Update CME program, attendees will be better able to:**

- Compare and contrast the advantages and disadvantages associated with conventional CRT and conduction system pacing
- Appraise the evidence basis behind conventional CRT and conduction system pacing and use this information to make personalized decisions for patients
- Differentiate between His bundle pacing and left bundle branch area pacing
- Recognize the role of conduction system pacing in clinical practice
- Identify which patients with atrial fibrillation should be referred for an atrial fibrillation ablation
- Describe the mechanism for early and late recurrence of atrial fibrillation after acutely successful PVI
- Appropriately work up a patient presenting with new onset atrial fibrillation
- Recognize the role of risk factor modification in the treatment of atrial fibrillation. (obesity, sleep apnea, alcohol, drugs, exercise, hypertension, thyroid disease, CAD and structural heart disease)
- Discuss the results of the VEST Trial
- Appropriately select patients who might benefit from an external defibrillator
- Recognize that the data supporting the use of the wearable ICD is limited and as such the indication for the systematic use of the device should be narrowly defined
- Describe the barriers to use of the wearable ICD that limit effectiveness and widespread use
- Explain screening process and identify contraindications to S-ICD placement
- Evaluate advantages of S-ICD for an individual patient
- Review the long-term data regarding transvenous ICD safety and efficacy
- Identify potential failure mechanisms and limitations of both subcutaneous and transvenous ICD therapy
- Summarize current scientific data supporting LAAC technology in stroke reduction in NVAF patients
- Discuss future trials and LAAC landscape
- Compare and contrast the benefits and limitations of left atrial appendage closure and pharmacologic therapy for patients with atrial fibrillation
- Review concerning safety signals from observational studies of left atrial appendage closure
- Recognize and analyze ECG findings that are often missed
- Apply ECG observational experience to provide better patient care
- Describe the different types of proarrhythmia associated with flecainide therapy
- Recognize the risk factors for developing flecainide proarrhythmia
- Interpret ECGs in the presence of anti-arrhythmic agents
- Develop treatment options for patients with drug induced long QT

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

## Credit Designation Statement

**AMA:** Einstein Medical Center designates this live educational event for a maximum of 8.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the educational event.

**AOA:** This program is eligible for 8.5 credits in category 2A of the American Osteopathic Association through the Pennsylvania Osteopathic Medical Association Foundation.

## MOC Statement

**Medical Knowledge MOC Credits/Points:** Successful completion of this CME activity enables the participant to earn up to 7.75 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**

Clinical Assistant Professor of Medicine  
Drexel University College of Medicine

### **Charles D. Gottlieb, MD FACC FHRS**

Director, Electrophysiology Laboratory  
Abington Memorial Hospital

### **Colin M. Movsowitz, MD FACC**

Director of Cardiac Electrophysiology  
Einstein Medical Center Montgomery  
Electrophysiologist  
Lankenau Heart Institute at Paoli Hospital

### **Matthew A. Goldstein, MD**

Electrophysiologist  
Cardiology Consultants of Philadelphia  
Lankenau Heart Institute at Paoli Hospital

### **Reginald T. Ho, MD FACC FHRS**

Associate Professor of Medicine  
Sidney Kimmel Medical College at  
Thomas Jefferson University

### **Steven A. Rothman, MD FACC FAHA FHRS**

Clinical Associate Professor  
Lankenau Institute of Medical Research  
Campus Chief, Division of Cardiovascular  
Diseases  
Lankenau Heart Institute at Lankenau  
Medical Center

### **Robert Schaller, DO MS FHRS**

Assistant Professor of Clinical Medicine  
Perelman School of Medicine at the Uni-  
versity of Pennsylvania

### **Erica S. Zado, PA-C FHRS**

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

### **Edmond Cronin, MD, CCDS, FHRS**

Associate Professor, Medicine  
Lewis Katz School of Medicine at  
Temple University

## Program Faculty

### **Advay Bhatt, MD**

Clinical Assistant Professor of Medicine  
Icahn School of Medicine, Mount Sinai  
Clinical Electrophysiologist  
Valley Health System

### **Mina K. Chung, MD, FHRS**

Professor of Medicine  
Cleveland Clinic Lerner College of Medicine  
Case Western Reserve University

### **Gopi Dandamudi, MD, MBA**

Medical Director & Dyad Leader  
Cardiovascular Service Line CHI  
Franciscan, Pacific Northwest Division,  
Washington State,  
Common Spirit Health

### **Andrew J. Foy, MD**

Robert F Zelis Junior Faculty Research Scholar  
Assistant Professor of Medicine and Public Health  
Heart and Vascular Institute, Division of Cardiology  
Penn State Hershey Medical Center  
and College of Medicine

### **Byron K. Lee MD**

Professor of Medicine  
Samuel T. and Elizabeth Webb Reeves  
Endowed Chair in Arrhythmia Research  
Director of the Electrophysiology Laboratories  
UCSF, Division of Cardiology

### **Francis E. Marchlinski, M.D., FHRS**

Professor of Medicine,  
Perelman School of Medicine at the University  
of Pennsylvania

### **Devi G. Nair, MD, FACC, FHRS,**

Director of Cardiac Electrophysiology  
St. Bernard's Medical Center &  
White River Medical Center  
Assistant Professor  
University of Arkansas Medical Sciences

### **Behzad Pavri, MD, FACC, FHRS**

Professor of Medicine  
Director, CCEP Fellowship Program  
Thomas Jefferson University Hospital

### **Melissa R. Robinson, MD, FHRS**

Clinical Associate Professor of Medicine  
Medical Director of the Electrophysiology Lab  
Electrophysiology/Section of Cardiology  
Department of Medicine  
University of Washington

### **Edward J. Schloss MD FHRS**

Division Chief, Cardiac Electrophysiology  
The Christ Hospital

## Cardiology Fellows

### **Jennifer Chee, MD**

Perelman School of Medicine at  
the University of Pennsylvania

### **David Laslett, MD**

Cardiology Fellow  
Lewis Katz School of Medicine at  
Temple University

### **Karim Nathan, MD**

Cardiology Fellow  
Sidney Kimmel School of Medicine  
at Thomas Jefferson University

## 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.

# Live Webinar Agenda

CVI's 10th EP Arrhythmia Management Update  
8.5 CME/CEU Credits  
♥ 7.75 ABIM Medical Knowledge MOC Points

## Session 1 – Sunday, February 21, 2021 (3.25 Credits)

<b>Introduction and Overview</b> Scott Hessen, MD	7:30am–7:45am
♥ <b>Resynchronization 2021: Conventional CRT vs Conduction System Pacing</b> Edmond Cronin, MD, Moderator	
♥ <b>Fellow Case Presentation: Resynchronization Pacing</b> David Laslett, MD	7:45am–8:00am
♥ <b>CRT is Tried and True</b> Mina Chung, MD	8:00am–8:15am
♥ <b>Conduction System Pacing is Nifty and New</b> Gopi Dandamudi, MD	8:15am–8:30am
♥ <b>Provocative Discussion: Conventional CRT vs Conduction System Pacing</b> Edmond Cronin, MD, Moderator	8:30am–8:45am
♥ <b>Q/A - All</b>	8:45am–9:00am
♥ <b>Appropriate Therapy for Atrial Fibrillation: A Case-Based Approach</b> Colin Movsovitz, MD – Case Presenter Francis Marchlinski, MD – Discussant	9:00am–9:45am
♥ <b>Q/A - All</b>	9:45am–10:00am
♥ <b>Remote Monitoring of Arrhythmias: A Case-based Approach</b> Matthew Goldstein, MD – Case Presenter Scott Hessen, MD – Discussant	10:00am–10:30am
♥ <b>Q/A - All</b>	10:30am–10:45am
<b>Review and Closing</b> Matthew Goldstein, MD	10:45am–10:50am

## Session 2 – Monday, February 22, 2021 (2.75 Credits)

<b>Introduction and Overview</b> Charles Gottlieb, MD	6:30pm–6:45pm
♥ <b>Is it fashionable to wear a vest? To Wear a Defibrillator or Not</b> Erica Zado, PA-C, Moderator	
♥ <b>Fellow Case Presentation: Wearable External Defibrillators</b> Karim Nathan, MD	6:45pm–7:00pm
♥ <b>External Defibrillators: Wear It</b> Byron Lee, MD	7:00pm–7:15pm
♥ <b>External Defibrillators: Don't Wear It</b> Advay Bhatt, MD	7:15pm–7:30pm
♥ <b>Provocative Discussion: Wearable External Defibrillators</b> Erica Zado, PA-C, Moderator	7:30pm–7:45pm
♥ <b>Q/A - All</b>	7:45pm–8:00pm
♥ <b>Subcutaneous vs Transvenous ICDs: Don't Bury the "Lead"</b> Robert Schaller, MD, Moderator	
♥ <b>Fellow Case Presentation: A Young Patient in Need of an ICD</b> Jennifer Chee, MD	8:00pm–8:15pm
♥ <b>Subcutaneous ICDS Aren't Perfect But They're Worth It</b> Melissa Robinson, MD	8:15pm–8:30pm
♥ <b>Transvenous ICDs Remain the Gold Standard</b> Edward Schloss, MD	8:30pm–8:45pm
♥ <b>Provocative Discussion: Implantable Cardiac Defibrillators</b> Robert Schaller, MD, Moderator	8:45pm–9:00pm
♥ <b>Q/A - All</b>	9:00pm–9:15pm
<b>Review and Closing</b> Robert Schaller, MD	9:15pm–9:20am

## Session 3 – Wednesday, February 24, 2021 (2.5 credits)

<b>Introduction and Overview</b> Erica Zado, PA-C	6:30pm–6:45pm
♥ <b>Plugs vs. Drugs: Left Atrial Appendage Closure vs Pharmacologic Therapy</b> Matthew Goldstein, MD, Moderator	
♥ <b>Fellow Case Presentation: Therapy of A Fib</b> TBA	6:45pm–7:00pm
♥ <b>Better to Plug It: LAA Closure is the Way to Go</b> Devi Nair, MD	7:00pm–7:15pm
♥ <b>Drugs Have Done the Trick for 60 Years</b> Andrew Foy, MD	7:15pm–7:30pm
♥ <b>Provocative Discussion: Therapy of A Fib</b> Matthew Goldstein, MD, Moderator	7:30pm–7:45pm
♥ <b>Q/A - All</b>	7:45pm–8:00pm
♥ <b>MUST-KNOW ECGs: Oft-Missed ECG Observations that are Clinically Important/Q&amp;A</b> Behzad Pavri, MD	8:00pm–8:30pm
♥ <b>The Darker Side of Anti-Arrhythmic Agents/Q&amp;A</b> Reginald Ho, MD; Steven Rothman, MD	8:30pm–9:00pm
<b>Closing</b> Steven Rothman, MD	9:00pm–9:05pm

**Recorded Sessions for Credits thru 4/10/21**

# CVI is taking our accredited CME/CEU programs online — and we invite you to join us!

Until there is wide distribution of a safe and effective vaccine for COVID-19, CVI's catalogue of accredited programs will be offered virtually, online.

To make our accredited programs more user friendly, agendas are broken up into several shorter segments (2.25–3.0 credits per session.)

## There are 2 easy ways to earn your credits:

- Watch programs **live** with hundreds of other health professionals
- Or watch the recorded proceedings on demand, at your convenience, for 45 days after the program (until 4/10/21 for CVI EP 2021)
- All presentations have start and end codes which need to be included on program evaluation to claim credits
- If watching recorded proceedings, an **additional** quiz is also required
- Either format — you **must** register to receive a unique link to view the program

## CVI's Online CME/CEU/MOC Programs offer you:

- Relevant, timely, interesting topics
- Nationally recognized thought leader faculties
- Registration fees discounted from in-person programs
- Early-bird discounts for those registering for CVI EP by 2/12/21
- And our FREE Apple iPad drawing!

**For more information, accreditation requirements and a calendar of all of our accredited programs, please visit us online at [cvphiladelphia.org](http://cvphiladelphia.org).**



# Look for these upcoming CVI programs

**CVI's 10th Annual EP Arrhythmia Update**  
February 21, 22, 24

**CVI's 5th Annual Fellows Program in  
Interventional Cardiology\***  
Winter-Spring 2021

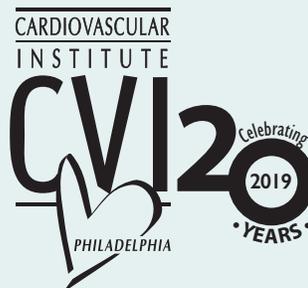
**CVI's 17th Annual Update in Nuclear Cardiology**  
Spring 2021

**Cardiology Bootcamp – For Residents and Fellows\***  
Spring 2021

**CVI Focused CME Deep Dives**  
• Structural Disease  
• Lipids  
• And More  
Spring/Summer 2021

**CVI's 28th Annual Cardiology Update**  
Fall 2021

**For information on these and other CVI CME  
and non-accredited programs, please visit us  
online at [www.cviphiladelphia.org](http://www.cviphiladelphia.org)**



\*Not accredited

# Registration Form

## Registration Fees

Be an early bird ... sign up and pay your registration by Fri. Feb. 12th and **SAVE \$35 off your registration fee!**

- Physicians and Industry: **\$99** by 2/12/21; **\$134** after 2/12/21\*
- Mid-Level Provider, Nurses, Fellows, Residents: **\$49** by 2/12/21; **\$84** after 2/12/21\*

\*Prices above reflect discount of \$6 for payment by cash or check. Please add \$5 for a Visa/MC/AMEX payment

## LIVE Zoom CME Webinars

### Session 1

Sunday, 2/21/21  
7:30am - 10:45am

### Session 2

Monday 2/22/21  
6:30pm - 9:15pm

### Session 3

Wednesday 2/24/21  
6:30pm - 9:00pm

## Recorded Sessions for Credits

Through 4/10/21

- 8.5 CME/CEU Credits for All
- 7.75 ABIM MOC Knowledge Points

Name \_\_\_\_\_  
 Degree \_\_\_\_\_ Gender  M  F

Email address to which unique program link should be sent \_\_\_\_\_

### For MOC Points Only

Date of Birth \_\_\_\_\_ ABIM ID# \_\_\_\_\_

Clinical Position \_\_\_\_\_

Clinical Affiliation Name \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Is this address work? \_\_\_\_\_ Home? \_\_\_\_\_ Other? \_\_\_\_\_

### Important Notes:

**You MUST register in advance to attend the sessions. Register online at [cviphiladelphia.org](http://cviphiladelphia.org)**

Please make checks payable to:

**Cardiovascular Institute of Philadelphia**

**P.O. Box 56598 • Philadelphia, PA 19111**

**Phone: 215-389-2300 • Fax: 215-389-5450**

### Course Registration Cancellation Policy:

Requests in writing for refunds, less \$35 administrative fee, by February 12, 2021 processed after the meeting. Registrations are transferable with prior notification to CVI by February 12, 2021.

Order	Early Bird Discount	Regular Price	Total
Physicians & Industry Registration	_____ \$99 (by 2/12/21)	_____ \$134 (after 2/12/21)	\$ _____
ABIM MOC Points - requires additional attestation, post program evaluation and test questions	N/A	_____ @ \$50	\$ _____
Mid-Level Providers, Nurses, Fellows, Residents	_____ @ \$49 (by 2/12/21)	_____ @ \$84 (after 2/12/21)	\$ _____
Pay by Visa/MC/Amex	Add \$5 per registration	Add \$5 per registration	\$ _____
Apple iPad Drawing Entry	FREE		FREE
<b>GRAND TOTAL</b>			\$ _____

Visa  MC  Amex

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Name as appears on card \_\_\_\_\_

Billing address of card \_\_\_\_\_

Signature \_\_\_\_\_

## FREE Apple iPad Drawing

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

- Register and pay for CVI's 10th Annual EP Arrhythmia Update by 5:00pm on Friday, February 12, 2021.
- Submit your fully completed online program evaluation for CVI's 10th Annual EP Arrhythmia Update by 5:00pm on Thursday, April 15, 2021.
- And you are entered to win... **It's as easy as that!** Winner will be contacted via email.