

**LIVE! And In-Person!**

# 30th Annual Clinical Management of Heart Disease 2023

Sunday, October 8, 2023 • 7:45 am – 4:45 pm

Hilton Philadelphia at Penn's Landing

## Keynote Presentations:

Advancing  
Equity:  
Opportunities for  
Cardiovascular  
Health



**Jessica M. Peña,  
MD, MPH**

Weill Cornell Medicine

Advances  
in the  
Treatment  
of Lipid  
Disorders



**Roger S.  
Blumenthal, MD**

Johns Hopkins University

Advances in the  
Treatment of Heart  
Failure, Diabetes  
and Chronic  
Kidney Disease



**Jennifer Green, MD**

Duke University School  
of Medicine

- 7.75 CME/CEU Credits
- 7.25 ABIM Medical Knowledge MOC Points



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9/15/23  
*Details Inside*



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# Goals & Objectives

## Why You Should Attend:

Now in its 30th year, CVI's Annual Cardiology Update is the longest-running program of its kind in the Delaware Valley. This year's agenda features an outstanding diverse faculty of national thought leaders, including our Keynote Presenters, Drs. Jessica Pena, Roger Blumenthal and Jennifer Green.

CVI's Cardiology Update features regional experts providing the most relevant and up-to-date information on diagnosis, management and prevention of cardiovascular diseases; and addresses other important issues in healthcare.

Keynote presentations highlight Equity in Cardiovascular health, Advances in the Treatment of Lipid Disorders, Heart Failure, Diabetes and Chronic Kidney Disease.

Our later morning breakout sessions offer attendees the opportunity to select between Cardiometabolic Disease (The COORDINATE-diabetes trial; Non-Alcoholic Fatty Liver Disease; Pharmacotherapy for Weight Loss), Management of Non-Coronary ASCVD (Peripheral Artery Disease; Management of Intracranial Atherosclerotic Disease; Aortic Atherosclerotic Disease), and Management of Complex Heart Failure Cases (Identifying and Treating Hypertrophic Cardiomyopathy; Cardiac amyloidosis; HFpEF Diagnosis and Management). Afternoon sessions focus on: Controversies in Clinical EP; Mitral Valve Therapies; Cardio-Oncology; Pulmonary Artery Hypertension and Effective Management of LDL.

## Target Audience:

The target audience for our program includes Physicians (clinical and interventional cardiologists, electrophysiologists, cardiac surgeons, family practice, internal – emergency - and geriatric medicine, and primary care); Advanced Practice Providers (Nurse Practitioners, Physician Assistants); Nurses; Fellows; Residents; Medical Students and Trainees; Medical Assistants and all Allied and Home Healthcare Professionals who care for patients with cardiovascular disease.

## Learning Objectives:

**After attending CVI's 30th Annual Cardiology Update, attendees will be better able to:**

- Recognize the existing disparities and inequities in cardiovascular health among different populations
- Discuss evidence-based strategies and interventions aimed at reducing cardiovascular health disparities and promoting equity
- Identify patients with diabetes at high risk for progression of kidney disease
- Describe outcomes-based guideline directed therapy for the management of patients with type 2 diabetes and chronic kidney disease
- Incorporate sodium-glucose cotransporter 2 inhibitor (SGLT2i) therapy in the management of patients with heart failure
- Explain when to use the more recently approved lipid lowering agents
- Explain current gaps in the care of patients with type 2 diabetes and established atherosclerotic cardiovascular disease
- Describe interventions which have been found successful in increasing the prescription of multiple guideline-based risk reduction therapies to patients with type 2 diabetes and established atherosclerotic cardiovascular disease
- Define NAFLD and NASH
- Describe the connect between NAFLD and CVD
- Identify the different classes of pharmacotherapeutic agents used in weight management, including their mechanisms of action and potential side effects
- Discuss the role of individual patient factors, such as comorbidities, in selecting appropriate pharmacotherapy for weight loss
- Discuss emerging and investigational pharmacotherapeutic approaches for weight loss and their future prospects
- Determine the optimal anti-platelet and anti-thrombotic strategy for PAD patients in the peri-operative period
- Describe the mechanism of stroke in ICAD
- Explain medical treatment options for ICAD
- Develop evidence-based treatment plans for patients with aortic atherosclerotic disease, considering medical management, lifestyle modifications, and surgical interventions when indicated
- Identify the signs and symptoms associated with aortic atherosclerotic disease, ranging from asymptomatic cases to potential life-threatening complications such as aortic aneurysms, dissections, and embolic events
- Appropriately identify patients with hypertrophic cardiomyopathy
- Identify current treatment options for hypertrophic cardiomyopathy
- Outline diagnostic approach for suspected cardiac amyloidosis
- Formulate treatment strategies for cardiac amyloidosis
- Apply diagnostic criteria and prediction algorithms to identify patients with HFpEF
- Review clinical trial data on medical management of HFpEF patients
- Define atrial fibrillation burden and determine when anticoagulation is appropriate
- Discuss the short and long term management options for atrial fibrillation; and the role of antiarrhythmic drugs, ablation and stroke prevention
- Explain etiologies of mitral valve regurgitation
- Describe indications of mitral valve repair
- Discuss various transcatheter mitral valve therapies
- Discuss strategies to prevent or mitigate cardiotoxicity
- Describe the application and understand the limitations of left ventricular strain in patients undergoing chemotherapy
- Assess candidacy for medical management and risk assessment of pulmonary arterial hypertension
- Explain treatment options for chronic thromboembolic pulmonary hypertension
- Discuss the relationship between lipids and lipoproteins, especially cholesterol and LDL
- Explain the different LDLc calculations, measurements and why we care

## 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 educational event for a maximum of 7.75 *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 7.75 credits in Category 2 of the American Osteopathic Association. *Please note: The AOA recently updated credit policies and now automatically recognizes AMA PRA Category 1 Credit™ as AOA Category 2 credit.*

## MOC Statement

**Medical Knowledge MOC Credits/Points:** Successful completion of this CME activity enables the participant to earn up to 7.25 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.

## Keynote Faculty

### **Roger S. Blumenthal, MD**

Director, Johns Hopkins Ciccarone Center for the Prevention of Cardiovascular Disease  
The Kenneth Jay Pollin Professor of Cardiology  
Johns Hopkins University

### **Jennifer Green, MD**

Professor of Medicine  
Division of Endocrinology, Metabolism and Nutrition  
Duke Clinical Research Institute  
Duke University School of Medicine

### **Jessica M. Peña, MD, MPH**

Associate Professor of Clinical Medicine  
Associate Professor of Medicine in Clinical Radiology  
Assistant Dean for Admissions  
Weill Cornell Medicine

## Course Directors

### **Dean Karalis, MD**

Clinical Professor of Medicine  
Thomas Jefferson University

### **Veronica Covalesky, MD**

Clinical Instructor Medicine  
Thomas Jefferson University

## Associate Directors

### **Colin Movsowitz, MD**

Clinical Cardiac Electrophysiologist  
Cardiology Consultants of Philadelphia  
Paoli Hospital

### **Daniel Soffer, MD**

Internal Medicine, Clinical Lipid Specialist  
University of Pennsylvania Health System

### **Muhammad Raza, MD**

Clinical Associate Professor of Medicine  
Drexel University College of Medicine  
Director, Structural Heart Disease Program,  
Program Director, Interventional Cardiology Fellowship  
Deborah Heart and Lung Center

## Faculty

### **Anastasia Amaro, MD**

Medical Director, Penn Metabolic Medicine Associate  
Professor of Clinical Medicine  
University of Pennsylvania

### **Yevgeniy Brailovsky, DO**

Medical Director Cardiac Amyloidosis Program  
Thomas Jefferson University Hospital

### **Chase Brown, MD**

Surgical Director, Coronary Revascularization  
Penn Presbyterian Medical Center  
Assistant Professor of Surgery  
University of Pennsylvania

### **David J. Callans, MD**

Associate Director, Electrophysiology  
Professor of Medicine  
University of Pennsylvania

### **Photi Galanis, MD**

Associate Professor of Medicine and Surgery  
Thomas Jefferson University Hospital

### **Dina Halegoua-DeMarzio, MD**

Associate Professor of Medicine  
Associate Chief and Director of Research,  
Division of Gastroenterology and Hepatology  
Director, Jefferson Fatty Liver Center  
Thomas Jefferson University Hospital

### **Benedicte Lefebvre, MD**

Assistant Professor of Clinical Medicine  
University of Pennsylvania

### **Amy B. Marzolf, MSN, CRNP**

Senior Nurse Practitioner  
Penn Center for Inherited Cardiovascular Disease  
University of Pennsylvania

### **Rudy Rahme, MD**

Comprehensive Vascular Neurosurgeon  
Clinical Instructor  
Drexel University College of Medicine

### **Monique S. Tanna, MD**

Director, Ambulatory Heart Failure  
Assistant Professor of Clinical Medicine  
University of Pennsylvania

### **Anjali Vaidya, MD**

Professor of Medicine  
Co-Director, Pulmonary Hypertension, Right Heart Failure, and CTEPH Programs  
Director, Pulmonary Hypertension Fellowship  
Associate Program Director, Cardiology Fellowship  
Assistant Program Director, Internal Medicine Residency  
Temple University

## Conflict of Interest Statement

Faculty and all others who have the ability to control the content of continuing medical education activities sponsored by Einstein Healthcare Network are expected to disclose all of their financial relationships with ineligible companies. Ineligible companies are those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. All relevant financial relationships have been mitigated prior to the activity date.

## 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 Program Agenda

CVI's 30th Annual Clinical Management of Heart Disease 2023  
7.75 CME/CEU Credits • 7.25 ABIM Medical Knowledge MOC Points  
Sunday, October 8, 2023 • Hilton Philadelphia at Penn's Landing  
♥ = MOC Knowledge Point Eligible Presentation

## Introduction and Overview

Dean Karalis, MD ..... 7:45am–8:00am

### ♥ Advancing Equity: Opportunities for Cardiovascular Health

Jessica M. Peña, MD, MPH ..... 8:00am–8:45am

### ♥ Advances in the Treatment of Heart Failure, Diabetes and Chronic Kidney Disease

Jennifer Green, MD ..... 8:45am–9:30am

### ♥ Advances in the Treatment of Lipid Disorders

Roger Blumenthal, MD ..... 9:30am–10:15am

### ♥ Panel Discussion

Dean Karalis, MD, *Moderator*; Faculty ..... 10:15am–10:30am

**BREAK** ..... 10:30am–11:00am

## CVI Cardiology Update Breakout Sessions

Please rank your interest in each breakout session on registration form: 1st, 2nd, 3rd choice.

### Breakout 1 - Cardiometabolic Disease

#### ♥ Making It All Happen in the Cardiology Clinic: The COORDINATE-diabetes Example

Jennifer Green, MD ..... 11:00am–11:30am

#### ♥ Non-Alcoholic Fatty Liver Disease: Cardiovascular Risk and Therapeutic Implications

Dina Halegoua-DeMarzio, MD ..... 11:30am–12:00pm

#### ♥ Pharmacotherapy of Obesity

Anastasia Amaro, MD ..... 12:00pm–12:30pm

#### ♥ Panel Discussion – All

12:30pm–12:45pm

### Breakout 2 - Management of Non-Coronary ASCVD

#### ♥ Peripheral Artery Disease

Photi Galanis, MD ..... 11:00am–11:30am

#### ♥ Management of Intracranial Atherosclerotic Disease

Rudy Rahme, MD ..... 11:30am–12:00pm

#### ♥ Aortic Atherosclerotic Disease

Chase Brown, MD ..... 12:00pm–12:30pm

#### ♥ Panel Discussion – All

12:30pm–12:45pm

### Breakout 3 - Management of Complex Heart Failure

#### ♥ Identifying and Treating Hypertrophic Cardiomyopathy

Amy Marzolf, CRNP ..... 11:00am–11:30am

#### ♥ Cardiac Amyloidosis, Case-Based Discussion for Diagnosis and Management

Yevgeniy Brailovsky, MD ..... 11:30am–12:00pm

#### ♥ HFpEF Diagnosis and Management

Monique Tanna, MD ..... 12:00pm–12:30pm

#### ♥ Panel Discussion – All

12:30pm–12:45pm

**LUNCH** ..... 12:45pm–1:30pm

#### ♥ Controversies in Clinical EP addressed by a Key Opinion Leader

Colin Movsowitz, MD, *Moderator*

David Callans MD, *Discussant* ..... 1:30pm–2:15pm

#### ♥ Beyond Traditional Surgery: The Transformative Future of Mitral Valve Therapies

Muhammad Raza, MD ..... 2:15pm–3:00pm

#### ♥ Cardio-Oncology: What the General Cardiologist Needs to Know

Benedicte Lefebvre, MD ..... 3:00pm–3:30pm

#### ♥ Pulmonary Hypertension 2023: Pearls and Updates

Anjali Vaidya, MD ..... 3:30pm–4:00pm

#### ♥ LDL The Sum and Its Parts

Daniel Soffer, MD ..... 4:00pm–4:30pm

### Review

Veronica Covalesky, MD ..... 4:30pm–4:45pm

# Celebrating 25 Years of CVI!

## You'll LOVE our 2023-24 Academic Calendar!



CVI's 30th Annual  
Clinical Management Update:  
Heart Disease 2023

**SUN, 10/8/23**  
Hilton Penn's Landing

Philadelphia's  
Longest-Running  
General Cardiology  
Program!

CVI & Deborah's 3rd Annual  
Adult Congenital Heart  
Disease CVI CME  
Evening Spotlight\*

**Date and location  
coming soon!**

CVI & Deborah's 10th Annual  
Cardiac Imaging  
in Women\*†

**SAT, 12/2/23**  
DoubleTree Mt. Laurel NJ

CVI's 16th Annual  
Echocardiography  
Update\*

**SUN, 1/7/24**  
Hilton Penn's Landing

CVI's 7th Annual  
Cardiology Fellows  
Program

What Every Fellow Needs to Know  
About Interventional Cardiology

**FRI-SAT, 2/2-3/24**

Hilton Penn's Landing

CVI's 13th Annual  
EP/Arrhythmia  
Management  
Update

**SUN, 2/25/24**

Hilton Penn's Landing

CVI's 20th Annual  
Nuclear and Advanced  
Cardiovascular  
Imaging Update†

**Spring, 2024**

Date coming soon!

Loews Philadelphia Hotel

CVI's 2nd Annual  
Philadelphia Heart  
Failure Symposium

**Spring, 2024**

Date coming soon!

Loews Philadelphia Hotel

\* SDMS Credits too!  
† VOICE Credits too!

More educational programs coming soon! Visit [cviphiladelphia.org](http://cviphiladelphia.org) for more details!

# Please join us in celebrating CVI25!

CVI (the Cardiovascular Institute of Philadelphia), was founded in 1999 as an independent, federally registered 501(c)3 non-profit medical education organization.

Our mission is to positively impact cardiovascular health in the Greater Philadelphia Region and beyond; and to provide targeted educational opportunities for Cardiology Fellows, Residents and other trainees — *the next generation of cardiologists.*

Over the past 25 years, CVI has provided local, convenient access to high-quality education to tens of thousands of physicians, healthcare professionals and trainees.

CVI has featured diverse faculties of internationally renowned thought leaders in cardiovascular medicine, providing the most relevant, up-to-date information on advances in the diagnosis, management and prevention of cardiovascular disease.

## We invite you to join us in support of CVI25!

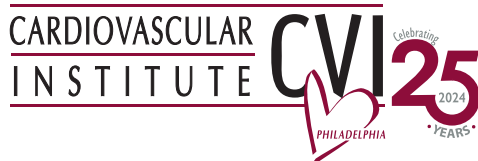
CVI is not affiliated with any one academic medical center, community hospital or private practice; but is an independent resource for all!

As a non-profit organization, CVI depends on the generous support of individual, institutional, corporate, organizational and foundation donors to continue our life-saving educational mission.

**In recognition of CVI's accomplishments over the last 25 years, and in support of the next 25 years, we ask you to consider a fully tax-deductible contribution to our CVI25! Campaign.**

(See registration form for details.)

**THANK YOU!**



*The official registration and financial information of The Cardiovascular Institute may be obtained from the Pennsylvania Department of State by calling toll-free, within Pennsylvania, 1-800-732-0999. Registration does not imply endorsement.*

For full details, visit us online at [CVIPhiladelphia.org](http://CVIPhiladelphia.org)


## CVI's 30th Annual Clinical Management of Heart Disease 2023

Sunday, October 8, 2023

# Registration Form



Sign up and pay your registration by September 15th and **SAVE \$50** off your registration fee!

	Early Bird Discount (by 9/15/23)	Regular Price (after 9/15/23)	Total
Physicians/Industry	@ \$125	@ \$175	\$ _____
<b>ABIM MOC Knowledge Points:</b> Awarding of MOC points requires additional attestation, post program evaluation and test questions	N/A	@ \$50	\$ _____
Fellows, Residents & Trainees	@ \$75	@ \$125	\$ _____
Training Program Name: <i>(Must be included to receive this rate)</i>			
Advanced Practice Providers, Nurses	@ \$75	@ \$125	\$ _____
<b>Apple iPad Drawing Entry</b>	<b>FREE</b>	N/A	<b>FREE</b>
 <b>Tax Deductible Donation to CVI25! Campaign</b>		@ \$25 \$ _____ Other amount	\$ _____
Pay by Visa/MC/Amex: Add \$6 per registration* _____ x \$6 = \$ _____			
			<b>GRAND TOTAL: \$ _____</b>

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

## Select Your Breakout

Please rank your Breakout selection (1st, 2nd, 3rd). We will accommodate as much as possible.

Cardiometabolic Disease     Non-Coronary ASCVD     Management of Complex HF

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

*Sorry no virtual or on-demand options for this program.*

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### Course Registration Cancellation Policy:

Requests in writing for refunds, less \$35 administrative fee, by 9/27/23 processed after the meeting.

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Register and pay 9/15/23. Complete your online evaluation by 11/10/23 - **It's that easy!** Winner will be notified by email.

## Questions?

**215-389-2300**