

Overview

CVI proudly presents the 7th Annual Fellows Program: What Every Fellow Needs to Know About Interventional Cardiology. This cost-free educational journey caters to both General and Interventional Fellows, guided by our esteemed CVI Fellows Faculty, comprising of nationally recognized experts in the field of interventional cardiology. Experience interactive small-group sessions that foster rich exchanges with peers and our accomplished faculty, with the aim of providing a comprehensive, hands-on educational experience for the next generation of cardiologists.

Delve into our 2-day program and don't miss the opportunity to explore CVI's Virtual Poster Theater, showcasing clinically rich case presentations by attendees. We will select and feature the top three posters for oral presentation during the Saturday evening networking reception.

Friday evening is dedicated to personal growth and development, offering engaging discussions on the following topics: Building Resilience and Overcoming Challenges: Strategies to Prevent Burnout and Moral Injury; Perfecting the Skill of Delivering Compelling Presentations; Navigating Career Paths: Academic Pursuits, Private Practice, Industry, and Hybrid Models; and Cultivating Resilience and Courage for a Fulfilling Professional Journey.

Saturday's plenary session highlights core concepts in interventional cardiology, incorporating fellow clinical case presentations and hands-on medical simulation, wet models, and device demonstrations. During the lunch break, join our engaging panel discussion on The Role of Interventional Cardiologists in 2024: Jack of all Trades or Master of None.

The afternoon unfolds with three breakout tracks dedicated to coronary and peripheral disease, structural heart disease, and cardiogenic shock. Our Saturday agenda culminates with the oral presentation of the distinguished CVI Fellows '24 Top Cases and a Networking Reception.

INTERACTIVE LEARNING STATIONS FEATURING HANDS-ON WET MODELS, MEDICAL SIMULATION AND CHALLENGING CASES

Explore our interactive learning stations offering hands-on wet models, medical simulations, and challenging case reviews, available throughout Friday and Saturday. Collaborate with our expert mentors and industry training specialists to maximize your educational experience.

For more information and to register visit cvphiladelphia.org.

CASE STUDY PRESENTATIONS

Immerse yourself in the dynamic environment of our CVI Virtual Poster Theater, where you can showcase your most compelling interventional cases. A panel of experts, led by an Associate Editor of JACC Case Reports, will evaluate all submissions. Posters will be exhibited on video monitors throughout the program, culminating in a faculty-moderated oral presentation of the top three cases.

COMPLIMENTARY HOTEL STAY

For those coming in from out of town, enjoy complimentary overnight accommodations at the Philadelphia Hilton at Penn's Landing for Friday 2/2 and/or Saturday 2/3.

EDUCATIONAL DINNER PROGRAM (Friday)

Join us for the CVI Fellows Friday Agenda, an educational dinner program highlighting critical topics for every clinician. Engage with our esteemed faculty members during this interactive event.

LUNCH (Saturday)

A midday panel discussion over lunch is open to all attendees and will focus on "The Role of Interventional Cardiologists in 2024: Balancing Broad Expertise and Super Specialization - Impact on Training and Clinical Practice."

NETWORKING RECEPTION (Saturday)

Conclude the 7th Annual Cardiology Fellows Program with a networking reception, offering a final opportunity for collegial interaction with peers and faculty. Enjoy a delightful evening of lively conversation and refreshments.

REGISTRATION DETAILS

Registration for this program is complimentary, thanks to the generous support and participation of our industry partners. Find further information and register online at cvphiladelphia.org.

QUESTIONS?

Feel free to reach out to us at info@cvphiladelphia.org with any questions.

Program Faculty

Directors

Sheldon Goldberg, MD
University of Pennsylvania

William Gray, MD
Lankenau Heart Institute

D. Lynn Morris, MD
East Carolina Heart Institute at ECU

Associate Directors

Sahil Banka, MD
Einstein Medical Center

Paul Fiorilli, MD
University of Pennsylvania

Ellen Keeley, MD, MS
University of Florida – Gainesville

Bryan W. Kluck, DO
Lehigh Valley Hospital

Richard C. Kovach, MD
Deborah Heart and Lung Center

Chirdeep Patel, MD
Lehigh Valley Health Network

Antonis Pratsos, MD
Main Line Health System

Troy L. Randle, DO
Rowan-Virtua School of
Osteopathic Medicine

Muhammad Raza, MD
Deborah Heart and Lung Center

Michael P. Savage, MD
Thomas Jefferson University

Mary Shields, MD
University of Pennsylvania

Faculty

Sandra Abramson, MD
Main Line Health

Janah Aji, MD
Cooper University Healthcare

Said Ashraf, MD
AtlantiCare

Blase Carabello, MD
Roper St. Francis Hospital

Veronica Covalesky, MD
Thomas Jefferson University

Daniel Burkhoff, MD, PhD
Columbia University

David L. Fischman, MD
Thomas Jefferson University

Jay Giri, MD, MPH
University of Pennsylvania

Jana Goldberg, MD
Heartbeat Health

James Goldstein, MD
William Beaumont Hospital, Royal Oak

Farouc A. Jaffer, MD, PhD
Harvard Medical School

Paul Mahoney, MD
Sentara Health

Sandeep Nathan, MD, MSc
University of Chicago

John Osborne, MD, PhD
State of the Heart Cardiology

Dimitri Papanagnou, MD, MPH
Thomas Jefferson University

Basel Ramlawi, MD, MMSc
Main Line Health

Samuel F. Sears, PhD
East Carolina University

Fellow Case Presenters

Keerat Ahuja
Deborah Heart and Lung
Center

Yousif Al-Saiegh
Main Line Health

Marie Altenburg, MD
University of Chicago

Justin Armstrong, DO
Corewell Health

Sairamya Bodempudi, MD
Thomas Jefferson
University

Megan F. Burke, MD
University of Pennsylvania

Francheska K. Castro,
University of Florida

Kiersten K. Frenchu, MD
Harvard Medical School

Gregory Miller, DO
Cooper University
Healthcare

Cara Pietrolungo, DO
University of Pennsylvania

**Kesavan
Sankaramangalam, MD**
East Carolina University

Avinash Singh, MD
East Carolina University



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CVI's 7th Annual Fellows Program
What Every Fellow Needs to Know About
Interventional Cardiology

For General and Interventional Fellows

Register today at
cvphiladelphia.org



**SIGN UP
FOR ONE OR
BOTH DAYS!**

Register online at
cvphiladelphia.org

CVI's 7th Annual Fellows Program

What Every Fellow Needs to Know About Interventional Cardiology

For General and Interventional Fellows
Friday & Saturday, February 2 & 3, 2024
Hilton Philadelphia at Penn's Landing

Highlighting:

- Personal & Professional Development Sessions
- Case based practical sessions on Coronary and Structural Heart Disease and Cardiogenic Shock
- Hands-On Interactive Medical Simulation
- Moderated Poster Session
- Networking with Faculty & Colleagues

Directors:


Sheldon Goldberg, MD ■ D. Lynn Morris, MD ■ William Gray, MD

Associate Directors:

Sahil Banka, MD ■ Paul Fiorilli, MD ■ Ellen Keeley, MD, MS ■ Bryan W. Kluck, DO ■ Richard C. Kovach, MD ■ Chirdeep Patel, MD ■ Antonis Pratsos, MD ■ Troy L. Randle, DO ■ Muhammad Raza, MD ■ Michael P. Savage, MD ■ Mary Shields, MD

For more information and to
register visit cvphiladelphia.org



Choose 
One or Both Days!

FRIDAY EVENING February 2, 2024

GRAND BALLROOM

PLENARY SESSION

Registration 4:00 pm
Simulation Stations and Exhibits 4:30 pm-6:20 pm
Reception 5:30 pm-6:20 pm

Welcome by Sheldon Goldberg, MD and Dinner Served 6:20 pm-6:30 pm

Resilience and Courage: How to Prevent Burnout/Moral Injury 6:30 pm-7:00 pm
Presenter: Sam Sears, PhD

Mastering the Art of Delivering an Outstanding Presentation 7:00 pm-7:30 pm
Presenter: Dimitri Papanagnou, MD

Exploring Pathways: Academic Pursuits, Private Practice, Industry, or Hybrid Models 7:30 pm-8:15 pm
Moderator: D. Lynn Morris, MD
Panelists: Veronica Covalesky, MD; Jay Giri, MD; Jana Goldberg, MD; Bryan Kluck, DO; Troy Randle, DO; Mary Shields, MD;

Living with Resilience and Courage 8:15 pm-8:30 pm
Presenter: John Osborne, MD

Q/A, Discussion and Wrap Up 8:30 pm-8:35 pm
Moderator: Ellen Keeley, MD

Networking and Exhibitor Dessert Reception 8:35 pm-9:15 pm

TO REGISTER AND FOR MORE INFORMATION:

Please visit us online at www.cvipphiladelphia.org

Questions:
info@cvphiladelphia.org

SATURDAY February 3, 2024

GRAND BALLROOM

PLENARY SESSION

Networking and Exhibitor Breakfast 6:45 am-7:45 am
Welcome and Overview by Sheldon Goldberg, MD 7:15 am-7:25 am

Exploring the Most Impactful Interventional Trials of the Past Year: The Top 5 7:25 am-7:45 am
Presenter: Mary Shields, MD

Understanding the Physiology of Valvular Heart Disease: Implications for Timing of Therapy 7:45 am-8:25 am
Fellow Case Presenter: Avinash Singh, MD
Presenter: Blase Carabello, MD
Moderator: Michael Savage, MD
Panelists: Dr. Richard Kovach; Dr. Muhammad Raza

Classification and Management of Acute Pulmonary Embolism 8:25 am-9:05 am
Fellow Case Presenter: Megan Burke, MD
Presenter: Jay Giri, MD
Moderator: D. Lynn Morris, MD
Panelists: Ellen Keeley, MD; Mary Shields, MD

Simulation Station Session #1 9:05 am-9:35 am
Simulation Station Session #2 9:35 am-10:05am

NETWORKING BREAK 10:05 am-10:35 am

Catheterization Laboratory Treatment for ST-Elevation Myocardial Infarction (STEMI) 10:35 am-11:10 am
Fellow Case Presenter: Francheska Castro, MD
Presenter: Ellen Keeley, MD
Moderator: Sheldon Goldberg, MD
Panelists: Chirdeep Patel, MD; Sahil Banka, MD

Avoiding and Managing Coronary and Access Complications 11:10 am-11:50 am
Fellow Case Presenter: Marie Altenburg, MD
Presenter: Sandeep Nathan, MD
Moderator: Michael Savage, MD
Panelists: Said Ashraf, MD; Antonis Pratsos, MD

Simulation Station Session #3 11:50 am-12:20 pm
Simulation Station Session #4 12:20 pm-12:50 pm

LUNCH AND PRESENTATION 12:50 pm-2:10 pm
The Role of Interventional Cardiologists in 2024: Jack of all Trades or Master of None
Moderator: William Gray, MD
Panelist: Richard Kovach, MD; Antonis Pratsos, MD; Jay Giri, MD; Sandra Abramson, MD

 **BREAKOUT TRACKS** 2:10 pm-5:10 pm
See Following Pages for Details

POSTER AWARDS PRESENTATION 5:10 pm-5:55 pm
Presenters: Top Three Poster Awardees
Moderator: David Fischman, MD

NETWORKING RECEPTION 5:55 pm-7:15 pm

COLUMBUS BALLROOM A

 **CORONARY BREAKOUT**
Moderators: Sheldon Goldberg, MD; Ellen Keeley, MD

Coronary Physiology and Imaging 2:10 pm-2:40 pm
Fellow Case Presenter: Justin Armstrong, DO
Presenter: James Goldstein, MD

Interventional Pharmacology: Balancing Thrombotic and Bleeding Risks 2:40 pm-3:10 pm
Fellow Case Presenter: Sairamy Bodempudi, MD
Presenter: David Fischman, MD


Approach to Complex Anatomy, Calcified Lesions, Vein Graphs, and Restenotic Lesions 3:10 pm-3:40 pm
Fellow Case Presenter: Yousif Al-Saiegh, MD
Presenter: Antonis Pratsos, MD

Determining Optimal Timing for Catheterization in ACS Patients: Beyond the ST Segment 3:40 pm-4:10 pm
Fellow Case Presenter: Cara Pietrolungo, DO
Presenter: Mary Shields, MD

Coronary Intervention: A Systematic Approach 4:10 pm-4:40 pm
Fellow Case Presenter: Kiersten Frenchu, MD
Presenter: Farouc Jaffer, MD

What Every Interventionalist Should Know About PAD 4:40 pm-5:10 pm
Fellow Case Presenter: Keerat Ahuja, MD
Presenter: Richard Kovach, MD

COLUMBUS BALLROOM B

 **STRUCTURAL HEART DISEASE BREAKOUT**
Moderators: Muhammad Raza, MD; William Gray, MD

TAVR SESSION

Aortic Stenosis Advancements: Unpacking TAVR Trials 2:10 PM-2:30 PM
Presenter: Paul Mahoney, MD

Pathophysiology and Management of SVD of TAVR Valves 2:30 PM-2:50 PM
Presenter: Jay Giri, MD

Common TAVR Complications and Management 2:50 PM-3:20 PM
Fellow Case Presentations
• Valve embolization
• PV leak
• Coronary Obstruction
Fellow Case Presenters: Cooper Fellow; Penn Fellow; Deborah Fellow

MITRAL SESSION

Mastering Mitral: Anatomy and Surgical Insight 3:20 pm-3:40 pm
Presenter: Basel Ramlawi, MD

TEER Procedure: Step by Step Approach 3:40 pm-4:05 pm
Fellow Case Presentation
Fellow Case Presenter: Gregory Miller, DO
Presenter: Janah Aji, MD

Transcatheter Mitral Valve Replacement: The Current State 4:05 pm-4:30 pm
Fellow Case Presenter: Kesavan Sankaramangalam, MD
Presenter: Paul Mahoney, MD

TRICUSPID VALVE INTERVENTION

Indications for Intervention 4:30 pm-4:50 pm
Presenter: William Gray, MD

Surgical vs Transcatheter Repair 4:50 pm-5:15 pm
Presenter: Basel Ramlawi, MD

COLUMBUS BALLROOM C

 **CARDIOGENIC SHOCK BREAKOUT**
Faculty: D. Lynn Morris, MD; Daniel Burkhoff, MD

Welcome and Overview by D. Lynn Morris, MD 2:10 pm-2:15 pm

Navigating HARVI 2:15 pm-2:20 pm

Pressure-Volume Relations and Analysis of Preload, Afterload, Contractility and Diastole 2:20 pm-2:50 pm

Basics of Myocardial Metabolism 2:50 pm-3:10 pm

BREAK 3:10 pm-3:20 pm

Protected PCI 3:20 pm-3:40 pm

Device and Drug Based Approaches to Cardiogenic Shock 3:40 pm-4:00 pm

Cardiogenic Shock: ECMO vs. P-VAD 4:00 pm-4:15 pm

Biventricular Failure 4:15 pm-4:25 pm

Discussion 4:25 pm-4:50 pm