

CVI Fellows Education Program

SAVE THE DATE!

FRI • SAT
SUN
2/22-2/24



**SIGN UP FOR 1, 2
OR ALL 3 DAYS
REGISTER ONLINE AT
CVIPHILADELPHIA.ORG**

CVI's 3rd Annual Interventional Cardiology Fellows Program: for General and Interventional Fellows

Friday, 2/22/2019; Saturday 2/23/2019; Sunday 2/24/2019
Loews Philadelphia Hotel

Focusing on:

- Fundamentals of Interventional Cardiovascular Medicine
- Core Concepts: Coronary-Structural-Peripheral Disease
- Cardiogenic Shock, Ventricular Support and Complications

Directors

Sheldon Goldberg, MD • Daniel McCormick, DO
D. Lynn Morris, MD • William Gray, MD

Associate Directors

Jay Giri, MD • Eron Sturm, MD • Richard Kovach, MD
• Antonis Pratsos, MD • Muhammad Raza, MD
Bryan Kluck, DO • Michael Savage, MD • Brian O'Neill, MD



For more information or to register, visit us on the web at www.cviphiladelphia.org

Overview

CVI's 3rd Interventional Cardiology Fellows Program: for General and Interventional Fellows, is a **free educational training program for fellowship trainees**. The purpose of our program is to provide a practical, focused, in depth educational training experience.

Our 3-day program begins with a focus on Fundamentals of Interventional Cardiovascular Medicine (Fri), continuing on Day 2 with Core Concepts In Coronary, Structural and Peripheral Vascular Disease (Sat), concluding with Advanced Topics in Intervention: Cardiogenic Shock, Ventricular Support and Complications (Sun).

Our agenda features nationally recognized experts leading small group learning sessions including:

- Focused didactic presentations
- Case reviews
- Panel discussions and Q&A
- Hands-on training featuring wet models, simulations and challenging cases.

Our program format also encourages networking among colleagues as well as with our faculty of regionally and nationally recognized cardiovascular thought leaders.

Please visit us online for further details at www.cviphiladelphia.org.

INTERACTIVE LEARNING STATIONS/ HANDS-ON WET MODELS, SIMULATION AND VIRTUAL REALITY DEMONSTRATIONS

Saturday's academic agenda concludes with a 2-hour session, offering attendees an opportunity to work through four (4) interactive learning stations featuring hands-on wet models, simulations, virtual reality tools, product demonstrations and challenging cases. Faculty mentors, working along-side industry training specialists maximize attendee's educational experience. Learning station topics will focus on disease states and topics covered throughout the day's curriculum. Further information on Interactive Learning Stations will be available on CVI's website soon – www.cviphiladelphia.org.

CLINICAL CASE POSTER PRESENTATIONS

On Saturday, our Clinical Case Poster Presentation Session offers you the opportunity to share your most interesting cardiology cases. Choose from one of the many topics being covered throughout our agenda – or focus on your worst complication, and how you got out of it!

Posters will be judged by an esteemed faculty panel. Prizes will be awarded to our top poster presentations. Further information on our Clinical Case Poster Presentation Session will be available on CVI's website soon – www.cviphiladelphia.org.

COMPLIMENTARY OVERNIGHT HOTEL ACCOMMODATIONS

Complimentary overnight hotel accommodations are available on Friday 2/22 and Saturday 2/23. Further information will be available on CVI's website soon – www.cviphiladelphia.org. Or email cvi.markhartnett@verizon.net.

EDUCATIONAL DINNER PROGRAM (Friday)

CVI Fellows Friday Agenda on Fundamentals of Interventional Cardiovascular Medicine is presented as an educational dinner program, with multiple opportunities to meet and greet our program faculty.

NETWORKING RECEPTION (Saturday)

CVI's 3rd Annual Cardiology Fellows Program concludes with a 90-minute networking reception offering opportunities to interact and network with our faculty of nationally recognized thought leaders and representatives from many of the Greater Philadelphia Region's Interventional Cardiology Fellowship Programs.

TO REGISTER

Registration for this program is complimentary, thanks in part to the generous support and participation of our industry partners. Please visit us online for further details at www.cviphiladelphia.org.

QUESTIONS?

Please call 215-389-2300 or email cvi.markhartnett@verizon.net

Program Faculty

Directors

Sheldon Goldberg, MD
Penn Medicine

Daniel McCormick, DO
Thomas Jefferson University Hospital

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

William Gray, MD
Lankenau Heart Institute

Associate Directors

Jay Giri, MD
Penn Medicine

Bryan Kluck, DO
Lehigh Valley Hospital

Eron Sturm, MD
Thomas Jefferson University
Hospital

Muhammad Raza, MD
Crozer Chester Medical Center

Richard Kovach, MD
Deborah Heart and Lung Center

Michael Savage, MD
Thomas Jefferson University
Hospital

Antonis Pratsos, MD
Lankenau Heart Institute

Brian O'Neill, MD
Temple University Hospital

Invited Faculty

Janah Aji, MD
Cooper University Health Care

John Hirshfeld, Jr., MD
Penn Medicine

Ziad Ali, MD
Columbia University Medical Center

David Holmes, Jr., MD
Mayo Clinic

Daniel Burkhoff, MD
Columbia University

Pranav Kansara, MD
Lehigh Valley Health Network

Blase Carabello, MD
East Carolina Heart Institute at ECU

Ellen Keeley, MD
University of Florida

Andrey Espinoza, MD
Hunterdon Medical Center

Sarang Mangalmurti, MD
Lankenau Heart Institute

Paul Fiorilli, MD
Penn Medicine

Perwaiz Meraj, MD
Northwell Health

Eric Gnall, DO
Lankenau Heart Institute

Nicholas Ruggiero, MD
Thomas Jefferson University Hospital

James Goldstein, MD
William Beaumont Hospital

Habib Samady, MD
Emory Heart & Vascular Center

Paul L. Hermany, MD
Lehigh Valley Health Network

Angela Taylor, MD
University of Virginia Health System

Choose 1-2-or 3 days!

CVI's 3rd Annual Interventional Cardiology Fellows Program **AGENDA**

Choose 1-2-or 3 days!

FRIDAY, February 22, 2019

Fundamentals of Interventional Cardiovascular Medicine

RECEPTION		5:30pm-6:00pm
Welcome/Overview	<i>Daniel McCormick, DO</i>	6:00pm-6:10pm
<u>OPTIMAL CORONARY ANGIOGRAPHY</u> • Best Views • Contrast Agents • Radiation Safety	<i>John Hirshfeld, MD</i>	6:10pm-6:40pm
<u>HEMODYNAMIC EVALUATION of VALVULAR HEART DISEASE</u> • Echo vs Cath Evaluation • Low Flow Low Gradient Aortic Stenosis • Hemodynamics of Mitral Valve Regurgitation – Timing of Intervention	<i>Blase Carabello, MD</i>	6:40pm-7:10pm
<u>VASCULAR ACCESS AND CLOSURE</u> • Radial/Femoral Access • Dealing with Large Holes • Closure Devices • Complications	<i>Brian O'Neill, MD</i>	7:10pm-7:40pm
<u>FUNDAMENTALS OF CORONARY INTERVENTION</u> • Guiding Catheters • Guidewires • Lesion preparation • Balloon & Stent Technology	<i>Muhammad Raza, MD</i>	7:40pm-8:10pm
Discussion Q & A Closing	<i>William Gray, MD</i>	8:10pm-8:45pm
FACULTY & PROGRAM DIRECTOR MEET & GREET DESSERT RECEPTION		8:45pm-9:15pm

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Questions:

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CVI's 3rd Annual Interventional Cardiology Fellows Program **AGENDA**

Choose 1-2-or 3 days!

SATURDAY, February 23, 2019

Core Concepts In Coronary, Structural and Peripheral Vascular Disease

Registration and Breakfast		7:00am-7:30am
Welcome/Overview	<i>Sheldon Goldberg, MD</i>	7:30am-7:40am
Coronary Artery Disease		
	<i>D. Lynn Morris, MD</i> Moderator	
<u>The Spectrum of STEMI</u> Cardiology Fellow Case Presentation • Large Thrombus Burden • Multi Vessel Disease • Vein Graft Occlusion	<i>Ellen Keeley, MD</i> <u>Panelists</u> <i>Jay Giri, MD</i> <i>Sheldon Goldberg, MD</i> <i>Bryan Kluck, DO</i>	7:40am-9:10am
<u>Physiologic Evaluation and Imaging</u> Cardiology Fellow Case Presentation • FFR/IFR • IVUS/OCT • NIRS	<i>Ziad Ali, MD</i> <u>Panelists</u> <i>Brian O'Neill, MD</i> <i>Antonis Pratsos, MD</i> <i>Eron Sturm, MD</i>	9:10am-9:55am
BREAK		9:55am-10:20am
<u>Complex Coronary Intervention</u> Cardiology Fellow Case Presentation • Vessel Prep - Atherectomy and Laser • Bifurcation Lesions ♥ ♥ ♥ Cardiology Fellow Case Presentation • Left Main Disease • PCI vs CABG • Supported PCI	<i>Michael Savage, MD</i> ♥ ♥ ♥ <i>Angela Taylor, MD</i> <u>Panelists</u> <i>Muhammad Raza, MD</i> <i>D. Lynn Morris, MD</i> <i>Daniel McCormick, DO</i>	10:20am-11:05am
<u>Coronary Complications</u> Cardiology Fellow Case Presentation • Lost Stents & Wires • Coronary Perforation • Air Embolization • No Reflow	<i>Habib Samady, MD</i> <u>Panelists</u> <i>Richard Kovach, MD</i> <i>Eron Sturm, MD</i> <i>Antonis Pratsos, MD</i>	11:05am-11:50am
LUNCH		11:50am-12:40pm
Developing a successful career in cardiovascular medicine: Preventing burnout–staying in the zone	<i>James Goldstein, MD</i>	12:05pm-12:40pm

Choose 1-2-or 3 days!

SATURDAY, February 23, 2019

Core Concepts In Coronary, Structural and Peripheral Vascular Disease

<p>Structural Heart Disease</p>	<p><i>Muhammad Raza, MD</i> Moderator</p>	
<p>Stroke Prevention for the Cardiologist Patent Foramen Ovale Cardiology Fellow Case Presentation</p> <ul style="list-style-type: none"> • Patient Selection • Technical Considerations • Follow Up <p style="text-align: center;">♥ ♥ ♥</p> <p>Left Atrial Appendage Exclusion Cardiology Fellow Case Presentation</p> <ul style="list-style-type: none"> • Patient Selection • Technical Considerations • Follow Up 	<p style="text-align: center;"><i>Bryan Kluck, DO</i></p> <p style="text-align: center;">♥ ♥ ♥</p> <p style="text-align: center;"><i>David Holmes, MD</i> Panelists <i>William Gray, MD</i> <i>Nicholas Ruggiero, MD</i> <i>Paul Hermany, MD</i></p>	<p>12:40pm-1:40pm</p>
<p>Aortic/Mitral Valvular Disease Aortic Valve Cardiology Fellow Case Presentation</p> <ul style="list-style-type: none"> • TAVR Work-Up • TAVR vs SAVR • Technical Considerations • Managing Coexistent CAD <p style="text-align: center;">♥ ♥ ♥</p> <p>Mitral Valve Cardiology Fellow Case Presentation</p> <ul style="list-style-type: none"> • Spectrum of Mitral Regurgitation • Therapies for Structural and Functional Mitral Regurgitation 	<p style="text-align: center;"><i>Jay Giri, MD</i></p> <p style="text-align: center;">♥ ♥ ♥</p> <p style="text-align: center;"><i>William Gray, MD</i> Panelists <i>Janah Aji, MD</i> <i>Paul Fiorilli, MD</i> <i>Pranav Kansara, MD</i></p>	<p>1:40pm-2:40pm</p>
<p>Basics of Ilio-Femoral Disease Cardiology Fellow Case Presentation</p> <ul style="list-style-type: none"> • Non-Invasive Assessment • Optimal Imaging • Atherectomy, Stents & Drug Coated Balloons 	<p><i>Daniel McCormick, DO</i> Panelists <i>Richard Kovach, MD</i> <i>Andrey Espinoza, MD</i> <i>Sarang Mangalmurti, MD</i></p>	<p>2:40pm-3:10pm</p>
<p>Review/Wrap-Up</p>	<p><i>D. Lynn Morris, MD</i></p>	<p>3:10pm-3:15pm</p>
<p>Fellows Best Cases - Moderated Poster Session</p>	<p>Judges <i>Sheldon Goldberg, MD</i> <i>David Holmes, MD</i> <i>Bryan Kluck, DO</i> <i>Richard Kovach, MD</i> <i>Habib Samady, MD</i> <i>Angela Taylor, MD</i></p>	<p>3:15pm-4:00pm</p>
<p>Faculty Mentored Interactive Education Simulation Sessions</p>		
<p>Focus Topics:</p> <ul style="list-style-type: none"> • Imaging Modalities • Coronary Artery Disease • Valvular Heart Disease • Structural Heart Disease 		<p>4:00pm-6:15pm</p>

CVI's 3rd Annual Interventional Cardiology Fellows Program **AGENDA**

Choose 1-2-or 3 days!

SUNDAY, February 24, 2019

Advanced Topics in Intervention: Cardiogenic Shock, Ventricular Support and Complications

BREAKFAST		7:30am–8:00am
Welcome/Overview	<i>D. Lynn Morris, MD</i>	7:45am–7:50am
Door to Unloading – Acute MI with Shock: Detroit Shock Initiative, National Shock Initiative	<i>James Goldstein, MD</i>	7:50am–8:10am
Navigating the HARVI Ap	<i>Daniel Burkhoff, MD</i>	8:10am–8:30am
<i>The Science of Shock</i>		
Pressure-Volume Relations and Analysis of Preload, Afterload, Contractility, Diastole (Active and Passive Components)	<i>D. Lynn Morris, MD</i>	8:30am–8:50am
Basics of Myocardial Metabolism (MVO₂-PVA)	<i>Daniel Burkhoff, MD</i>	8:50am–9:10am
Coronary Blood Flow and Regulation of Myocardial Contractility	<i>Daniel Burkhoff, MD</i>	9:10am–9:30am
BREAK		9:30am–9:40am
<i>The Therapy of Shock</i>		
Device and Drug Based Approaches to Cardiogenic Shock	<i>Perwaiz Meraj, MD</i>	9:40am–10:00am
High Risk PCI	<i>Perwaiz Meraj, MD</i>	10:00am–10:20am
Cardiogenic Shock	<i>D. Lynn Morris, MD</i>	10:20am–10:40am
Biventricular Failure	<i>D. Lynn Morris, MD</i>	10:40am–11:00am
<i>Focus on Non-Coronary Complications</i>		
<u>PFO Complications</u> • Air Embolization • Atrial Fibrillation • Device Embolization • Erosion	<i>Daniel McCormick, DO</i>	11:00am–11:20am
<u>Valve Complications</u> • Embolization • Stroke • CAD After TAVR	<i>Muhammad Raza, MD</i>	11:20am–11:40am
<u>Vascular Access Complications</u> • Pseudoaneurysm • Thrombosis • Dissections • Retroperitoneal Bleeds • AV Fistulae	<i>Eron Sturm, MD</i>	11:40am–12:00pm
Review and Closing	<i>Sheldon Goldberg, MD</i>	12:00pm–12:15pm
Farewell and Boxed Lunch to Go		12:15pm

TO REGISTER AND FOR MORE INFORMATION:

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Questions:

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