

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

In Cooperation with ...



Pennsylvania
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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

Eron Sturm, MD
Thomas Jefferson University
Hospital

Richard Kovach, MD
Deborah Heart and Lung Center

Antonis Pratsos, MD
Lankenau Heart Institute

Bryan Kluck, DO
Lehigh Valley Hospital

Muhammad Raza, MD
Crozer Chester Medical Center

Michael Savage, MD
Thomas Jefferson University
Hospital

Brian O'Neill, MD
Temple University Hospital

Special Guest Faculty

Richard J. Kovacs, MD, FACC
Indiana University School of Medicine
Vice President, American College of Cardiology

Invited Faculty

Janah Aji, MD
Cooper University Health Care

Ziad Ali, MD
Columbia University Medical Center

Daniel Burkhoff, MD
Columbia University

Blase Carabello, MD
East Carolina Heart Institute at ECU

Andrey Espinoza, MD
Hunterdon Medical Center

Paul Fiorilli, MD
Penn Medicine

Eric Gnall, DO
Lankenau Heart Institute

James Goldstein, MD
William Beaumont Hospital

Paul L. Hermany, MD
Lehigh Valley Health Network

John Hirshfeld, Jr., MD
Penn Medicine

David Holmes, Jr., MD
Mayo Clinic

Pranav Kansara, MD
Lehigh Valley Health Network

Ellen Keeley, MD
University of Florida

Sarang Mangalmurti, MD
Lankenau Heart Institute

Perwaiz Meraj, MD
Northwell Health

Nicholas Ruggiero, MD
Thomas Jefferson University Hospital

Habib Samady, MD
Emory Heart & Vascular Center

Angela Taylor, MD
University of Virginia Health System



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CVI appreciates the support of the Pennsylvania Chapter of the American College of Cardiology for their partnership in this activity

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	Sheldon Goldberg, MD	7:30am-7:40am
Coronary Artery Disease		
	D. Lynn Morris, MD <i>Moderator</i>	
<u>The Spectrum of STEMI</u> Cardiology Fellow Case Presentation <ul style="list-style-type: none"> • Large Thrombus Burden • Multi Vessel Disease • Vein Graft Occlusion 	Ellen Keeley, MD <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 <ul style="list-style-type: none"> • FFR/IFR • IVUS/OCT • NIRS 	Ziad Ali, MD <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 <ul style="list-style-type: none"> • Vessel Prep - Atherectomy and Laser • Bifurcation Lesions <p style="text-align: center;">♥ ♥ ♥</p> Cardiology Fellow Case Presentation <ul style="list-style-type: none"> • Left Main Disease • PCI vs CABG • Supported PCI 	Michael Savage, MD <p style="text-align: center;">♥ ♥ ♥</p> Angela Taylor, MD <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 <ul style="list-style-type: none"> • Lost Stents & Wires • Coronary Perforation • Air Embolization • No Reflow 	Habib Samady, MD <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	James Goldstein, MD	12:05pm-12:40pm
Leading Cardiovascular Quality Improvement in Acute MI Care — What they don't teach in fellowship	Richard Kovacs, MD	

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>Eric Gnall, DO</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>
<p>FACULTY MEET AND GREET RECEPTION</p>		<p>6:15pm-8:00pm</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 and Overview	<i>D. Lynn Morris, MD</i>	7:45am–7:50am
Acute Myocardial Infarction With Cardiogenic Shock: The National Shock Initiative	<i>James Goldstein, MD</i>	7:50am–8:10am
<i>The Science of Shock</i>		
Navigating HARVI	<i>Daniel Burkhoff, MD</i>	8:10am–8:20am
Pressure-Volume Relationships and Analysis of Preload, Afterload, Contractility, Diastole	<i>D. Lynn Morris, MD</i>	8:20am–8:50am
Basics of Myocardial Metabolism	<i>Daniel Burkhoff, MD</i>	8:50am–9:10am
BREAK		9:10am–9:20am
<i>The Therapy of Shock</i>		
Device and Drug Based Approaches to Cardiogenic Shock	<i>Daniel Burkhoff, MD</i>	9:20am–10:05am
Cardiogenic Shock: ECMO vs P-VAD	<i>Perwaiz Meraj, MD</i>	10:05am–10:35am
Biventricular Failure	<i>D. Lynn Morris, MD</i>	10:35am–11:05am
Wrap Up	<i>Daniel Burkhoff, MD Perwaiz Meraj, MD D. Lynn Morris, MD</i>	11:05am–11:10am
<i>Focus on Non-Coronary Complications</i>		
PFO Complications • Air Embolization • Atrial Fibrillation • Device Embolization • Erosion	<i>Daniel McCormick, DO</i>	11:10am–11:30am
Valve Complications • Embolization • Stroke • CAD After TAVR	<i>Muhammad Raza, MD</i>	11:30am–11:50am
Vascular Access Complications • Pseudoaneurysm • Thrombosis • Dissections • Retroperitoneal Bleeds • AV Fistulae	<i>Eron Sturm, MD</i>	11:50am–12:10pm
Review and Closing	<i>Sheldon Goldberg, MD</i>	12:10pm–12:25pm
Farewell and Boxed Lunch to Go		12:25pm

- ✓ Fellows, please make certain to bring your laptops as this session does NOT work using iPads.
- ✓ If fellows want to read HARVI chapters before the session, they will be better prepared, however it is not mandatory

TO REGISTER AND FOR MORE INFORMATION:

Please visit us online at www.cviphiladelphia.org

Questions:

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