

Save These Tuesday Evenings!
4/20, 5/18, 6/15, 7/20, 9/28, 10/19



Please Join Us
Online for
FREE Virtual
Cardiology
Fellows
Education

CVI's 5th Annual Interventional and General Fellows Program

What Every (Interventional) Cardiology
Fellow Needs to Know!

- **Coronary and Structural Focus Topics**
- **Interactive Fellow Case Presentations**
- **Meet our Guest Faculty of Nationally Recognized Thought Leaders:**

Dawn Abbott, MD (Brown)

Farouc Jaffer, MD (Harvard)

James Goldstein, MD (Beaumont)

Roxana Mehran, MD (Mt. Sinai)

Emmanouil Brilakis, MD (Minneapolis Heart Institute)

James Hermiller, MD (Ascension)

**For full details
and to register –
read more inside
and visit us online at
cviphiladelphia.org**



Overview

CVI's 5th Annual Interventional and General Cardiology Fellows Program focuses on topics that every (interventional) cardiology fellow needs to know. The purpose of our program is to provide a practical, focused, in-depth educational training experience for our next generation of cardiologists.

This year's virtual format gives us the opportunity to highlight an in-depth focus topic each month beginning in April, 2021. 60-90 minute sessions are free for interventional and general cardiology fellows. Sessions are interactive, including fellow cases and focused didactic presentations, with ample opportunities for interaction through audience polling and Q&A.

This first series of 6 programs focuses on important topics in coronary and structural disease. Registrants have the opportunity to view programs live along with fellows from across the country, or recorded, on-demand sessions at their convenience.

CVI Interventional Cardiology Program Committee

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Gainesville

Paul Fiorilli, MD
University of Pennsylvania

Sahil Banka, MD
Einstein Medical Center

Monthly Sessions

Submit your free registration online
at cviphiladelphia.org
Questions? Call us at 215-389-2300



April 20, 2021, 6:45 pm

The Art and Science of STEMI

J. Dawn Abbott, MD

Brown University

Guest Faculty

Sheldon Goldberg, MD

Ellen Keeley, MD

David Goldberg, MD

Moderators

Christopher Lee, MD, Penn Medicine

Karla Astorius-Gonzalez, MD, Penn Medicine

Adam Syed Hafeez, MD, U of FLA, Gainesville

Fellow Case Presenters

Session Description

This CVI Fellows '21 session provides an in-depth review of the critical issues in STEMI treatment based on the most recent science and guideline recommendations. This interactive session incorporates fellow case presentations, and focused expert lecture and comments with ample opportunities for audience questions.

Specific topics to be addressed during this session include:

1. Emergency pharmacologic management
2. Choice of antiplatelet and anticoagulant drugs: beta blockers, ACE/ARB inhibitors, statins
3. Choice of stents and new stent technologies including the status of thrombus removal and revascularization strategies in patients with multivessel disease.
4. Aftercare and follow up including time course of myocardial stunning, indications for defibrillators, the problem of LV thrombus.

Learning Objectives

After viewing this session, attendees will be better able to:

- Perform effective reperfusion of myocardium at risk
 - Select optimal stent strategy
 - Select patients for non-culprit vessel PCI — who is a candidate, and when to perform
-



May 18, 2021, 6:45 pm

**Fundamentals of Coronary Intervention:
How to Fly on My Own
Farouc Jaffer, MD
Harvard Medical School**

**Richard Kovach, MD
Muhammad Raza, MD**
Moderators

**Michael Bode, MD, Harvard Medical School
Parthiv Amin, MD, Deborah Heart & Lung Center**
Fellow Case Presenters

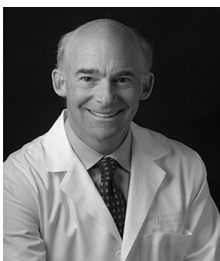
Session Description

This interactive session teaches the basics for achieving a safe and successful PCI, beginning with optimal angiographic views, and following through to definitive treatment and procedure completion. Specifics will involve basic decisions on vascular access site and guide catheter choice. Techniques for optimal visualization of the coronary arteries with focus on accurate target lesion assessment, will be discussed. Balloon and stent choices, as well as when adjunctive therapies such as atherectomy might be useful will be covered. Specific attention as to how these choices contribute to successful stent delivery, optimal deployment and long-term patency will also be a point of focus.

Learning Objectives

After viewing this session, attendees will be better able to:

- Describe techniques for accurate lesion/vessel assessment and optimal coronary revascularization.
- Discuss how to logically choose interventional devices including guide catheters, wires, stents, and atherectomy devices- rotational, orbital and lithotripsy.
- Explain the techniques that will result in successful stent delivery and optimal stent deployment.



June 15, 2021, 6:45 pm

**How should I use FFR/iFR, IVUS, OCT and NIRS in
preparation for PCI and to assess my results?
James Goldstein, MD
Beaumont School of Medicine
Guest Faculty**

**Sahil Banka, MD
Ellen Keeley, MD**
Moderators

**Jason Schott, MD, Beaumont School of Medicine
Mohammad Al Sarie, MD, Einstein Medical Center
Morgan Randall, MD, University of Florida**
Fellow Case Presenters

Session Description

This interactive CVI Fellows session reviews the scientific basis for, and clinical importance of the various imaging technologies in pre-PCI assessment of lesion characteristics and severity. Additionally, the evaluation of post procedure results to minimize the risks of stent thrombosis and restenosis will be discussed.

Learning Objectives

After viewing this session, attendees will be better able to:

- Describe the role of coronary imaging technologies in real world clinical practice.
- Select the most appropriate technology to characterize lesions prior to and after PCI.



July 20, 2021, 6:45 pm

**Optimal Interventional Pharmacology:
Tailoring the Drug to the Specific Patient**

Roxana Mehran, MD
Mt. Sinai Medical Center
Guest Faculty

D. Lynn Morris, MD
Michael Savage, MD
Moderators

Anton Camaj, MD, Icahn School of Medicine at Mt. Sinai
Leticia Cameron, MD, East Carolina University
John Lawrence, MD, Thomas Jefferson University
Fellow Case Presenters

Session Description

The use of adjunctive antiplatelet and antithrombotic strategies for PCI will be the focus of this case-based session. The role of heparin vs bivalirudin, 2b/3a inhibitors, intravenous antiplatelet agents, and the various P2Y12 inhibitors will be discussed.

We will compare clopidogrel, prasugrel, ticagrelor and cangrelor in real world practice. The critical issue of duration of dual antiplatelet therapy will be reviewed with emphasis on clinical presentation, lesion complexity, bleeding risk and the stent/drug interface. Finally the specific issue of PCI in patients requiring anticoagulation for atrial fibrillation will be addressed.

Learning Objectives

After viewing this session, attendees will be better able to:

- Recognize the benefits and risks of the various anticoagulant and antiplatelet agents used in conjunction with PCI
- Understand the factors which influence drug selection and duration of dual antiplatelet therapy
- Address various strategies when combined anticoagulation and antiplatelet are required- e.g. PCI in patients with atrial fibrillation.

August 2021 – No Program



September 28, 2021, 6:45 pm

**Complex Coronary Interventions:
Prepare for the Worst, Hope for the Best**
Emmanouil S. Brilakis, MD,
Minneapolis Heart Institute
Guest Faculty

Richard Kovach, MD
Antonios Pratsos, MD
Moderators

Yashasvi Chugh, MD, Minneapolis Heart Institute
Rita Butler, MD, Lankenau Heart Institute
Fellow Case Presenters

Session Description

Complex coronary intervention requires careful planning, not only for the procedure itself, but also for the potential complications inherent in these types of procedures. The importance of the heart team approach to these patients will be the starting point for discussion. We will review the approach to patients with calcified lesions, left main and bifurcation disease and LV dysfunction. Lesion preparation by rotational or orbital atherectomy, and lithotripsy, provisional vs bifurcation stenting and the role of LV support by IABP or Impella will be addressed.

Learning Objectives

After viewing this session, attendees will be better able to:

- Appreciate and understand the importance of the heart team approach in managing patients with complex and high-risk coronary anatomy.
- Identify and define what constitutes high risk and complex PCI.
- Construct a logical and appropriate interventional plan for complex coronary cases.
- Anticipate potential complications of complex and high-risk PCI, while simultaneously having a plan to rapidly deal with them if they occur.

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 cviphiladelphia.org.**

QUESTIONS?

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



October 19, 2021, 6:45 pm

**Treatment of Patients with Aortic Stenosis -
from Hemodynamic Principles to Valve
Replacement in the TAVR Era**

James Hermiller, MD

Ascension

Guest Faculty

Paul Fiorilli, MD

Muhammad Raza, MD

Moderators

Rim Halaby, MD, Penn Medicine

Kevin Ball, MD, St. Vincent's Hospital

Fellow Case Presenters

Session Description

This interactive CVI Fellows session focuses on hemodynamic principles and imaging techniques to evaluate AS severity, including the full range of aortic stenosis from normal flow, high gradient AS through low flow, low gradient AS. The evaluation and workup of the AS patient will be reviewed, including imaging and planning for TAVR. TAVR procedural techniques and best practices will be discussed, including the challenging situations of coexistent CAD, bicuspid valves, embolic protection and challenging vascular access.

Learning Objectives

After viewing this session, attendees will be better able to:

- Utilize clinical, hemodynamic and imaging findings to assess the severity of aortic stenosis.
- Describe the pathophysiology and clinical outcomes of patients with low flow, low gradient AS.
- Recognize challenges posed by patients with coexistent CAD, bicuspid valves, challenging vascular access, and to discuss techniques and data for embolic protection for stroke prevention during TAVR.

**In the following months, look for sessions
on Mitral Valve Disease, Cardiogenic Shock,
Vascular Access, Coronary Complications,
Pulmonary Embolism and Cardioembolic Stroke**

