Innovations in Cardiovascular Care
with Illustrative Live Patient Presentations for Cardiologists, Primary Care Physicians, Advanced Care Practitioners, and Nurses

Saturday, October 20, 2018
Philadelphia 201 Hotel
201 North 17th Street, Philadelphia, PA 19103

PROGRAM DIRECTORS
Terry D. Friedman, MD
John J. Ross, Jr., RDCS, RVS, RCS
Harvey L. Waxman, MD

Penn Presbyterian Medical Center at Penn Medicine
COURSE OVERVIEW AND TARGET AUDIENCE

This conference is designed for cardiologists, primary care physicians, advanced nurse practitioners, and nurses who have a special interest in cardiology. The symposium will focus on important practical and clinical issues faced daily by the health care professional and will include live case presentations with echocardiography. Lectures and dedicated discussions will provide a clinically relevant review of cardiology.

Presentations will be provided by nationally recognized experts in their field. The guest faculty will be joined by members from The University of Pennsylvania School of Medicine.

LEARNING OBJECTIVES

Upon completion of the activity, participants should be able to:

- Explain the percutaneous approaches for treatment of severe mitral valve regurgitation
- Review the contemporary approach to diagnosis and management of hypertrophic cardiomyopathy
- Discuss the use of digital technology in management of outpatient electrophysiology patients
- Review newest technologic advances in outpatient management of heart failure patients
- Identify which patients may benefit from the wearable (outpatient) defibrillator
- Explain the demographics and treatment of spontaneous coronary artery dissection
- Review the current guidelines about which patients benefit from implantable cardioverter defibrillator
- Discuss whether pre-participation screening saves athletes’ lives
- Explain diagnosis and management of pacemaker/cardioverter defibrillator infections
- Review pulmonary hypertension management
- Discuss management of low-flow, low-gradient aortic valve stenosis
- Identify the latest breakthroughs in the treatment of ischemic heart disease
- Review the clinical approach to common valvular abnormalities

HOSTING ORGANIZATIONS

Cardiology Philadelphia 2018: Innovations in Cardiovascular Care is hosted by the Philadelphia Heart Institute of Penn Presbyterian Medical Center and The Heart Institute of Southern New Jersey.

ACCREDITATION

In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.
PRESENTATIONS.

Uses of pharmaceutical products within their discussions of off-label and/or investigational expected to disclose to participants any materials and syllabi. Faculty members are also will be made available in the conference Faculty and planners disclosure information.

The registration fee includes attendance to the conference, a course booklet and a link to view the presentations online, continental breakfast, mid-morning and afternoon refreshments, lunch, and post-symposium reception.

If you are registering with a credit card, please register online at www.penncmeonline.com, then click on CME/CNE activities/Live Events. We cannot accept faxed or mailed registration forms with credit card information. To pay by check, complete the registration form and mail it in with your check. Please see the registration form for mailing information. Please note: mailed registrations can take up to 5-10 business days before they are received. All registrations will be confirmed by email as long as your registration is received no later than October 5, 2018.

CANCELLATION AND REFUND POLICY

In order to process refunds for course withdrawals, cancellations must be received in writing by October 5, 2018 (subject to a service charge of 10% of the registration fee but not less than $15.00). No refunds will be issued after October 5, 2018.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.

MEETING LOCATION

Cardiology Philadelphia 2018: Innovations in Cardiovascular Care will take place on Saturday, October 20, 2018 at the Philadelphia 201 Hotel, 201 North 17th Street, Philadelphia, PA 19103. The hotel’s main number is 215-448-2000.

OVERNIGHT RESERVATIONS

A block of rooms has been reserved at the Philadelphia 201 Hotel at a special group rate of $239.00 per night single/double occupancy. Taxes are 15.5% per room per night and are subject to change. We recommend that you make reservations as soon as possible because there are a limited number of rooms available. Please call the Sheraton Philadelphia Downtown Hotel reservations directly at 215-448-2000 or 1-800-325-3535. Identify yourself as a “Cardiology Philadelphia 2018” participant. This room rate is available until September 18, 2018 or until the block is full.

PARKING: The Philadelphia 201 Hotel offers valet parking services ($44 daily rate) and self-parking ($38 daily rate) in their garage. An additional parking option is at The Philadelphia Gateway, which is located one block from the Sheraton at 1540 Vine Street between 15th and 16th Street ($7 daily weekend rate). For information on additional overnight accommodations or what to do or see while you’re in Philadelphia, please go to www.gophila.com.

DESIGNATION OF CREDIT

Physicians: Penn Medicine designates this live activity for a maximum of 8.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Maintenance of Certification (MOC): Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 8.0 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Nurses: This activity is approved for 8.0 contact hours.

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 8.0 Category 1 credits for completing this activity.

Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with instructions and a link. Once participants submit the request for credit, the earned credits will be available for viewing on a transcript and certificates will be available for printing at www.penncmeonline.com. Please note that the individual certificate will not be mailed.

DISCLOSURES

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the ACCME Standards for Commercial Support. Faculty and planners disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

REGISTRATION FEES

The registration fees for Cardiology Philadelphia 2018: Innovations in Cardiovascular Care are $200.00 for physicians and industry, and $150.00 for nurses and other health care professionals and $125.00 for house staff and students. Penn Medicine employees, faculty, staff, and students will receive a 10% discount. A valid Penn Medicine ID is required to receive the special rate.

The registration fee includes attendance to the conference, a course booklet and a link to view the presentations online, continental breakfast, mid-morning and afternoon refreshments, lunch, and post-symposium reception.
COURSE DIRECTORS

Terry D. Friedman, MD
Medical Director, Penn Cardiology, Cherry Hill
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

John J. Ross, Jr., RDCS, RVS, RCS
Director, Outpatient Non-Invasive Cardiovascular Network
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Harvey L. Waxman, MD
Chief of Cardiology
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Philippe Genereux, MD
Co-Director, Structural Heart Disease Program
Gagnon Cardiovascular Institute
Morristown Medical Center
Morristown, NJ

Howard C. Herrmann, MD
Director, Cardiac Catheterization Laboratories
Hospital of The University of Pennsylvania
Philadelphia, PA

Sameer Khandhar, MD
Associate Director of Cardiac Catheterization Laboratory
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Jennifer Lewey, MD
Director, Penn Women's Cardiovascular Center
Hospital of The University of Pennsylvania
Philadelphia, PA

Martin S. Maron, MD
Director, Hypertrophic Cardiomyopathy Center
Tufts Medical Center
Boston, MA

Michael A. Mathier, MD
Director, Pulmonary Hypertension Program
University of Pittsburgh Medical Center
Pittsburgh, PA

Khaldoun Tarakji, MD, MPH
Director, Electrophysiology Outpatient Department and Cardiac Remote Monitoring
Cleveland Clinic Foundation
Cleveland, OH

COURSE FACULTY

John R. Bullinga, MD
Director of Electrophysiology Laboratories
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Robert M. Bunting, RDCS, RVS
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Brian M. Drachman, MD
Associate Chief of Cardiovascular Medicine
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA

Benjamin A. D'Souza, MD
University of Pennsylvania Health System
Penn Presbyterian Medical Center
Philadelphia, PA
Saturday, October 20, 2018

7:00 AM  Registration and Continental Breakfast

7:45 AM  Welcome Remarks from the Moderator
Terry D. Friedman, MD

8:00 AM  Mitral Valve Regurgitation: Transcatheter Mitral Valve Interventions
This presentation will review some of the newer techniques including transcatheter mitral valve repair and transcatheter mitral valve replacement.
Howard C. Herrmann, MD

8:35 AM  Contemporary Approach to Hypertrophic Cardiomyopathy
This talk will review the basics of hypertrophic cardiomyopathy, current diagnostic guidelines, as well as management recommendations.
Martin S. Maron, MD

8:50 AM  Digital Technology and the Outpatient Care of the Electrophysiology Patient
This lecture will discuss some of the most recent digital technologies including potential use of the smart phone in clinical practice.
Khaldoun Tarakji, MD

9:40 AM  Break

9:55 AM  New Technology in the Care of the Heart Failure Patient
This presentation will discuss outpatient hemodynamic monitoring and other management strategies.
Michael A. Mathier, MD

10:30 AM  Sudden Cardiac Death Risk Management with the Wearable Cardioverter Defibrillator
This lecture will review the most recent evidence about which patients should receive a wearable cardioverter defibrillator and whether the use of it affects patient outcomes.
Benjamin A. D’Souza, MD

10:55 AM  Spontaneous Coronary Artery Dissection
This talk will review the diagnosis and management including the demographics and long-term outlook of these patients.
Jennifer Lewey, MD

11:35 AM  Cardioverter Defibrillators: Who Should Get a Device
This presentation will summarize which patients should receive these devices.
John R. Bullinga, MD

12:00 PM  Lunch
1:00 PM  **Does Pre-Participation Screening Save Athletes' Lives?**
_Sudden cardiac death can occur in competitive sports. This presentation will review the data of whether electrocardiograms, echocardiograms, or physical exams will reduce the risk._
Martin S. Maron, MD

1:30 PM  **Cardiac Implanted Electronic Device Infections; What Every Healthcare Provider Needs to Know**
Pacemaker and cardioverter defibrillators are increasingly utilized. This lecture will review clinical presentations and appropriate management strategies.
Khaldoun Tarakji, MD

2:00 PM  **Pulmonary Hypertension: Clinical Update**
_This presentation will review diagnosis and management of this disorder._
Michael A. Mathier, MD

2:30 PM  **Low-Flow, Low-Gradient Aortic Stenosis**
_This talk focuses on recommendations regarding evaluation and treatment of this condition._
Philippe Genereux, MD

3:00 PM  **Break**

3:15 PM  **Late Breakthroughs in Ischemic Heart Disease**
_This talk will include recommendations regarding duration of anti-platelet drugs after coronary stents. It will address treatment of left main disease (bypass vs stent). It will review whether the radial artery is superior to the saphenous vein for coronary bypass procedures._
Sameer Khandhar, MD

3:40 PM  **Case Presentations**
_This portion of the conference will feature live echocardiograms on patients for demonstration purposes. There will also be a panel to discuss clinical management and treatment recommendations._
Robert Bunting, RDCS, RVS
Brian M Drachman, MD
Terry D. Friedman, MD
John J. Ross, RDCS, RVS, RCS
Harvey L. Waxman, MD

5:15 PM  **Cocktail Reception**

---

**Services for the Disabled**  If special arrangements are required for an individual with a disability to attend this meeting, please contact the Office of Continuing Medical Education no later than October 5, 2018 at 215-898-6400.

**Nondiscrimination Statement**  The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action.
If you are registering using your credit card, please register online at:
www.penncmeonline.com and click on CME/CNE Activities/Live Events.

Questions? Contact us at:
Phone: 215-898-6400 or 215-898-8005 • penncme@mail.med.upenn.edu

Please note we are unable to accept faxed registration forms.

PLEASE PRINT OR TYPE

Name (First) (Last)

Academic Degree

Medical Specialty

Affiliation (Hospital, Office, or Company)

Address (☐ Affiliation or ☐ Home)

City State Zip

Phone Fax

E-mail

Registration Fees (pre-payment is required to be officially registered)
☐ $200.00 for Physicians and Industry
☐ $150.00 for Nurse Practitioners, Physician Assistants, Nurses and other Healthcare Professionals
☐ $125.00 for Residents, Fellows, Medical Students
Penn Medicine Faculty, Staff, House Staff, or Penn Students
☐ $180.00 for Physicians
☐ $135.00 for Nurse Practitioners, Physician Assistants, Nurses and other Healthcare Professionals
☐ $112.50 for Residents, Fellows, Medical Students
Penn Medical ID # ________________________________

Payment Method

• If you are paying by credit card, please register online at
www.penncmeonline.com and click on CME/CNE Activities/Live Events.

• If you are paying by check, you may mail your completed registration form and check
made payable to The Trustees of the University of Pennsylvania/CME to:
Conference Coordinator, Penn Medicine, Office of Continuing Medical
and Interprofessional Education, 150 Anatomy/Chemistry Building
3620 Hamilton Walk, Philadelphia, PA 19104-6061

• Do not include any credit card information on the registration form or email any
credit card information

Please Note: Walk-in registrants must bring payment to the program.
CARDIOLOGY PHILADELPHIA 2018
Innovations in Cardiovascular Care

Saturday, October 20, 2018

Philadelphia 201 Hotel
201 North 17th Street
Philadelphia, PA 19103

A CME/CNE-ACCREDITED CONFERENCE