



HARVARD
MEDICAL SCHOOL

This course sold out the last two years. Early registration to the 2019 program is strongly recommended.

Update in Clinical **CARDIOLOGY**

OCTOBER 16 – 18, 2019

BOSTON, MA

Under the direction of
Adolph M. Hutter, Jr., MD
Anthony Rosenzweig, MD
Rory B. Weiner, MD

Earn up to 22.50 *AMA PRA Category 1 Credits™*
22.50 ABIM MOC Points

- 
- Evaluation
 - Treatment
 - Patient Care
 - Procedures
 - Challenging Cases

Comprehensive updates, strategies, and practice recommendations to optimize patient care and outcomes

Education for PHYSICIANS, NPs, PAs from the following specialties:

- Cardiology
- Vascular Medicine
- Critical Care and Trauma
- Emergency Medicine
- Internal Medicine
- Family Medicine
- Geriatrics

- Coronary Artery Disease
- Diabetes
- Biomarkers
- Valvular Heart Disease
- Congestive Heart Failure
- Dyslipidemia
- Atrial Fibrillation
- Ventricular Arrhythmias

- Advanced Cardiac Imaging
- Exercise and Heart Disease
- Thoracic Aortic Disease
- Adult Congenital Heart Disease
- Heart Disease in Pregnancy
- Cardio-Oncology
- Peripheral Arterial Disease
- Pulmonary Embolism



MASSACHUSETTS
GENERAL HOSPITAL
CORRIGAN MINEHAN
HEART CENTER

Register at Cardiology.HMSCME.com



HARVARD MEDICAL SCHOOL

Dear Colleague,

The strategies we employ and the options at our disposal to diagnose and treat patients with cardiovascular disease have advanced considerably in the past year. Update in Clinical Cardiology ensures attendees are current with these advances and how to incorporate them into daily practice to optimize patient outcomes.

The 2019 program offers you the opportunity to learn:

- Important medical and procedural advances for the management of common clinical problems such as coronary artery disease, heart failure, and valvular heart disease
- The latest transcatheter options and best practices to treat patients with severe valvular disease
- The new paradigms for care of specialized populations such as adults with congenital heart disease, cardiac patients with cancer, and athletic individuals
- The latest concepts of diagnosis, decision-making, pharmacology and therapy in the areas of ischemic heart disease, cardiac arrhythmias, and congestive heart failure

The faculty is assembled from the best clinician-educators at Harvard Medical School and Massachusetts General Hospital. Designed to deliver the highest-quality educational experience, we place a premium on:

- Teaching practical, effective clinical reasoning and approaches that enable you to practice state-of-the-art clinical cardiology
- Allowing ample time for participants to interact with faculty and to pose and get answers to your specific questions
- Providing the latest information in an engaging manner and clinically usable context so that you have knowledge you can “take home” and immediately apply to patient care

As cardiologists and cardiovascular clinicians, we face the task of treating patients across the wide spectrum of cardiac disease. Our goal is to ensure that you are up to date with the latest information to diagnose and treat your patients in the best manner possible. We look forward to your participation. Boston in the fall is delightful, and we hope to see you then!

Sincerely,



Adolph M. Hutter, Jr., MD
Course Director



Anthony Rosenzweig, MD
Course Director



Rory B. Weiner, MD
Course Director

Register at [Cardiology.HMSCME.com](https://www.harvardmedicalschool.org/CME/Courses/Cardiology)

CLINICAL CARDIOLOGY 2019

Course Description

There is a persistent gap between the practice of cardiology and the guideline-recommended evaluation and therapy. In a time of continually changing information based on ongoing new research findings, the practicing clinician has a hard time maintaining an up-to-date knowledge base and, therefore, competency in these areas. As a result, the performance of the clinician frequently lags behind state-of-the-art practices. This course addresses this gap by providing an extensive review of clinical cardiology through didactic lectures, panel discussions, and cases emphasizing newer concepts of diagnosis, decision-making, pharmacology and therapy in the areas of ischemic heart disease, valvular heart disease, cardiac arrhythmias, congestive heart failure, diabetes, cardio-oncology, pregnancy, spontaneous coronary artery dissection (SCAD), and other areas.

Harvard Medical School Faculty

The faculty is assembled from the best clinician-educators at Harvard Medical School and Massachusetts General Hospital and is designed to deliver the highest-quality educational experience:

- Teaching practical, effective clinical reasoning and approaches that enable you to practice state-of-the-art clinical cardiology
- Allowing ample time for participants to interact with faculty and to pose and get answers to your specific questions
- Providing the latest information in an engaging manner and clinically usable context so that you have knowledge you can “take home” and immediately apply to patient care

Aaron L. Baggish, MD
Conor D. Barrett, MBBCh, BAO
Ami B. Bhatt, MD
G. William Dec, MD
Douglas E. Drachman, MD
Michael A. Fifer, MD
Samuel Z. Goldhaber, MD
E. Kevin Heist, MD, PhD
Adolph M. Hutter, Jr., MD
Eric M. Isselbacher, MD
James L. Januzzi, MD
Moussa C. Mansour, MD
Theofanie Mela, MD

Pradeep Natarajan, MD
Tomas G. Neilan, MD, MPH
Michelle L. O'Donoghue, MD
Jonathan J. Passeri, MD
Anthony Rosenzweig, MD
Marc S. Sabatine, MD, MPH
Rahul Sakhuja, MD, MPP
Nandita S. Scott, MD
Jagmeet P. Singh, MD, PhD
Sunu S. Thomas, MD
Rory B. Weiner, MD
Malissa J. Wood, MD



MASSACHUSETTS
GENERAL HOSPITAL

CORRIGAN MINEHAN
HEART CENTER

Course Directors

Adolph M. Hutter, Jr., MD, *Professor of Medicine, Harvard Medical School; Founding Director, Cardiac Performance Program, Corrigan Minehan Heart Center, Massachusetts General Hospital*

Anthony Rosenzweig, MD, *Evelyn and James Jenks and Paul Dudley White Professor of Medicine, Harvard Medical School; Chief of Cardiology and Co-Director, Corrigan Minehan Heart Center, Massachusetts General Hospital*

Rory B. Weiner, MD, *Associate Professor of Medicine, Harvard Medical School; Inpatient Medical Director, Corrigan Minehan Heart Center, Massachusetts General Hospital*





PARTICIPANT EXPERIENCE

“What a privilege it is to learn from such an extraordinary group of physician specialists....I am eager to incorporate the innovations they shared into our everyday practice.”

“I have revised my management of thoracic aneurysms and HOCM/HCM.”

“This course has led to changes in the evaluation of cardiomyopathies, use of troponin, care of cancer patients, and length of DAPT.”

“I have incorporated changes in both diagnostic and therapeutic aspects of practice, especially as they pertain to early CAD and cardiomyopathy.”

“I thoroughly enjoyed this course. It was obvious that your organization places patient care as its utmost priority.”

“Just to mention a few changes inspired by this course: the prescription of exercise; the evaluation of the oncology patient; the proper use of anticoagulants in prevention of CVA; the proper use of antiplatelet agents in non-STEMI; the approach to the pregnant patient with heart disease; the approach to the adult with congenital heart disease.”

“I am excited by the availability of experts to refer to in cardio-oncology, congenital heart disease, and advanced heart failure.”

“I have changed my practice for diabetes and CAD, PAD, pregnancy and CVD, congenital HD, AF, aorta disease.”

“I now follow the recommendations learned during the course regarding antiplatelet therapy, monitoring BNP, and anticoagulation and antiarrhythmic therapy.”

“I would highly recommend this symposium and will come again. Material was relevant, evidence based, and state of the art.”

“Updates that I have incorporated into my practice include appropriate testing for CV risk stratification, the new diabetic drugs that decrease CV mortality, the interpretation of troponin levels and HS troponin, BNP levels, valvular heart disease treatment, chewable low-dose aspirin, and much more.”

LEARNING OBJECTIVES

Upon completion of this course, participants will be able to:

Apply newly acquired knowledge of cardiovascular disease in the care of cardiac patients

Incorporate the principles of proper evaluation for cardiovascular disease into practice

Determine the goals to be achieved in the care of cardiovascular patients and implement tools to achieve these goals

Use diagnostic and therapeutic tools to treat patients with cardiovascular disease appropriately

Program changes/substitutions may be made without notice. To view the most up-to-date version of the course program, please visit the course website.

Agenda

WEDNESDAY, OCTOBER 16

7:00 - 7:45	Registration
7:45 - 8:00	Introduction Adolph M. Hutter, Jr., MD
Moderator: Adolph M. Hutter, Jr., MD <i>All sessions include 10 minutes of Q&A</i>	
8:00 - 8:50	Clinical Advances for Improved Evaluation of Coronary Artery Disease Adolph M. Hutter, Jr., MD
8:50 - 9:40	Pulmonary Embolism: Pathophysiology and Management Updates Samuel Z. Goldhaber, MD
9:40 - 10:00	Morning Break (<i>refreshments provided</i>)
10:00 - 10:50	The Role of the Cardiologist in Diabetes Management James L. Januzzi, MD
10:50 - 11:40	What's New in Cardiac Markers James L. Januzzi, MD
11:40 - 12:30	Mitral Regurgitation: Timing of Intervention and Choice between Surgery and Percutaneous Therapy Eric M. Isselbacher, MD
12:30 - 1:30	Lunch break*
Moderator: Rory B. Weiner, MD <i>All sessions include 10 minutes of Q&A</i>	
1:30 - 2:20	Aortic Stenosis: Timing of Intervention and Choice between Surgery and Percutaneous Therapy Jonathan J. Passeri, MD
2:20 - 3:10	Cardiomyopathies: Evaluation and Therapy G. William Dec, MD
3:10 - 3:20	Afternoon Break (<i>refreshments provided</i>)
3:20 - 4:10	Cardio-Oncology in 2019 Tomas G. Neilan, MD, MPH
4:10 - 5:00	Updates to Evaluate and Treat Adult Congenital Heart Disease Ami B. Bhatt, MD

THURSDAY, OCTOBER 17

Moderator: Adolph M. Hutter, Jr., MD <i>All sessions include 10 minutes of Q&A</i>	
8:00 - 8:50	Incorporating Advances in Electrical Therapy in Heart Failure for Improved Patient Outcomes Jagmeet P. Singh, MD, PhD
8:50 - 9:40	Atrial Fibrillation: Pharmacologic and Nonpharmacologic Therapy Moussa C. Mansour, MD
9:40 - 10:00	Morning Break (<i>refreshments provided</i>)
10:00 - 10:50	Stroke Prevention in Atrial Fibrillation E. Kevin Heist, MD, PhD
10:50 - 11:40	Clinical Trials for Ventricular Arrhythmias Conor D. Barrett, MBBCh, BAO
11:40 - 12:30	Acute Coronary Syndromes: STEMI and NSTEMI Latest Data Marc S. Sabatine, MD, MPH
12:30 - 1:30	Lunch break*
Moderator: Rory B. Weiner, MD <i>All sessions include 10 minutes of Q&A</i>	
1:30 - 2:20	Dual Antiplatelet Therapy in Cardiovascular Disease Michelle L. O'Donoghue, MD
2:20 - 3:10	Thoracic Aortic Disease: Optimal Imaging and Management Eric M. Isselbacher, MD
3:10 - 3:20	Afternoon Break (<i>refreshments provided</i>)
3:20 - 4:10	Dyslipidemia: Latest Concepts Pradeep Natarajan, MD
4:10 - 5:00	Supraventricular Tachycardia Theofanie Mela, MD

Agenda

FRIDAY, OCTOBER 18

Moderator: Adolph M. Hutter, Jr., MD
All sessions include 10 minutes of Q&A

8:00 - 8:50	Exercise-Induced Cardiac Remodeling: What Is Normal? Aaron L. Baggish, MD
8:50 - 9:40	How Exercise Protects the Heart: What the Latest Data Tell Us Anthony Rosenzweig, MD
9:40 - 10:00	Morning Break (<i>refreshments provided</i>)
10:00 - 10:50	Indispensable Clinical Pearls: Filling In the Gaps Adolph M. Hutter, Jr., MD and Rory B. Weiner, MD
10:50 - 11:40	Heart Disease in Pregnancy: Early Detection through Safe Delivery Nandita S. Scott, MD
11:40 - 12:30	Coronary Disease: Medicate/Dilate/Operate Rahul Sakhuja, MD, MPP
12:30 - 1:30	Lunch break*

Moderator: Rory B. Weiner, MD
All sessions include 10 minutes of Q&A

1:30 - 2:20	Spontaneous Coronary Artery Dissection (SCAD): Evaluation and Treatment Malissa J. Wood, MD
2:20 - 3:10	Management of Peripheral Arterial Disease in 2019 Douglas E. Drachman, MD
3:10 - 3:20	Afternoon Break (<i>refreshments provided</i>)
3:20 - 4:10	Advanced Heart Failure: Acute and Chronic Therapy Sunu S. Thomas, MD
4:10 - 5:00	Hypertrophic Cardiomyopathy: Recognition and Management Michael A. Fifer, MD

REASONS TO ATTEND

Updated guidelines for evaluation and care of patients with coronary artery disease, congestive heart failure and arrhythmias

The role of the cardiologist in diabetes management

State-of-the-art approaches for recognition and management of:

- Coronary artery disease
- Valvular heart disease
- Cardiomyopathy
- Arrhythmias

The new data on the impact of exercise on the cardiovascular system and the care of active patients

Improved management of cardiac patients with cancer and adult congenital heart disease

Improved management of pulmonary embolism and peripheral artery disease

Best practices for care of pregnant patients

Best practices for treatment of spontaneous coronary artery dissection (SCAD)

Clinical application of recent scientific information to patient care

**There are many convenient and varied lunch options within a short walking distance of the course.*

Register at Cardiology.HMSCME.com



Update in Clinical **CARDIOLOGY**

OCT 16 -18
2019
BOSTON, MA

- Updated guidelines for evaluation and care of patients with coronary artery disease, congestive heart failure and arrhythmias
- The role of the cardiologist in diabetes management
- State-of-the-art approaches for recognition and management of:

Coronary artery disease	Cardiomyopathy
Valvular heart disease	Arrhythmias
- The new data on the impact of exercise on the cardiovascular system and the care of active patients
- Improved management of cardiac patients with cancer and adult congenital heart disease
- Improved management of pulmonary embolism and peripheral artery disease
- Best practices for care of pregnant patients
- Best practices for treatment of spontaneous coronary artery dissection (SCAD)

Comprehensive updates for:

- Evaluation
- Treatment
- Challenging Cases
- Patient Care
- Procedures



This course sold out the last two years. To be assured a place in the 2019 program, early registration is strongly advised.

ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 22.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

NURSE PRACTITIONERS and REGISTERED NURSES

For the purpose of recertification, the American Academy of Nurse Practitioners Certification Board and American Nurses Credentialing Center accept *AMA PRA Category 1 Credit™* issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education). We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit™* for re-licensure.

PHYSICIAN ASSISTANTS

The National Commission on Certification of Physician Assistants (NCCPA) states that *AMA PRA Category 1 Credits™* are acceptable for continuing medical education requirements for recertification. We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit™* for re-licensure.

CANADIAN ACCREDITATION

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

EUROPEAN ACCREDITATION

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credit™* to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting *AMA PRA Category 1 Credits™* to ECMECs® can be found at: www.eaccme.eu.

AMERICAN BOARD OF INTERNAL MEDICINE

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 22.50 Medical Knowledge 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 points.



MASSACHUSETTS
GENERAL HOSPITAL

CORRIGAN MINEHAN
HEART CENTER

Register at Cardiology.HMSCME.com



HARVARD MEDICAL SCHOOL

Update in Clinical Cardiology 2019 Course #732120-2001	Tuition	Register on or before September 15, 2019
Physicians	\$995	\$895 (SAVE \$100)
Allied Health Professionals	\$845	\$745 (SAVE \$100)
Residents, Fellows and Trainees	\$700	

Your course tuition Includes coffee and juice each morning, morning and afternoon refreshment breaks, and course materials as noted below.

Course Materials

All participants of this program:

- Receive access to the online syllabus the day before the course.
- Receive a flash drive containing a full-color syllabus on the first day of the course.
- Have the **option to purchase a printed copy** of the syllabus **when registering for this course**, for a fee of \$50.

IMPORTANT TO NOTE: Printed course materials will not be available for purchase on site. If you would like a printed syllabus, you **must order one in advance** while registering for the course.

Registration, Payment, Confirmation and Refund Policy

Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at Cardiology.HMSCME.com.

At the end of the registration process, a \$10 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check, credit card (Visa, MasterCard, or American Express), or wire transfer in USD. If you are paying by check (draft on a United States bank) or by wire transfer, the online registration system will provide you with instructions for remitting your course fees. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. **Please do not make non-refundable travel arrangements until you have received an email from our office confirming your paid registration.** Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the course has started.

Questions?

By phone: 617-384-8600 Mon-Fri 9am – 5pm (ET). By e-mail: CEPrograms@hms.harvard.edu.

Venue

Fairmont Copley Plaza

138 St. James Avenue • Boston, Massachusetts • 1-617-267-5300

Accommodations

Fairmont Copley Plaza has reserved a block of discounted rooms for course participants.

Important to note:

- The number of discounted rooms is limited.
- Discounted rooms are available on a first-come, first-served basis.
- The discounted room rate is only available until September 23, 2019, or when the block sells out, which typically happens well in advance of this date.

To reserve your room:

- Online: To reserve your room online, please use the dedicated link found on the Venue page of the course website.
- By phone: If you are calling the hotel rather than using the dedicated link to request a discounted room, please call 1-800-441-1414 and be sure to specify that you are enrolled in Update in Clinical Cardiology.

Register at Cardiology.HMSCME.com