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

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

- 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

Register at Cardiology.HMSCME.com
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
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

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 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
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.

**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

**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.”
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 - 7:45</td>
<td>Registration</td>
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<tr>
<td>7:45 - 8:00</td>
<td>Introduction</td>
<td>Adolph M. Hutter, Jr., MD</td>
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<td>Moderator: Adolph M. Hutter, Jr., MD</td>
<td>All sessions include 10 minutes of Q&amp;A</td>
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<tr>
<td>8:00 - 8:50</td>
<td>Clinical Advances for Improved Evaluation of Coronary Artery Disease</td>
<td>Adolph M. Hutter, Jr., MD</td>
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<tr>
<td>8:50 - 9:40</td>
<td>Pulmonary Embolism: Pathophysiology and Management Updates</td>
<td>Samuel Z. Goldhaber, MD</td>
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<td>9:40 - 10:00</td>
<td>Morning Break (refreshments provided)</td>
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<tr>
<td>10:00 - 10:50</td>
<td>The Role of the Cardiologist in Diabetes Management</td>
<td>James L. Januzzi, MD</td>
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<tr>
<td>10:50 - 11:40</td>
<td>What’s New in Cardiac Markers</td>
<td>James L. Januzzi, MD</td>
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<td>11:40 - 12:30</td>
<td>Mitral Regurgitation: Timing of Intervention and Choice between Surgery and Percutaneous Therapy</td>
<td>Eric M. Isselbacher, MD</td>
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<td>12:30 - 1:30</td>
<td>Lunch break*</td>
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<tr>
<td>1:30 - 2:20</td>
<td>Aortic Stenosis: Timing of Intervention and Choice between Surgery and Percutaneous Therapy</td>
<td>Jonathan J. Passeri, MD</td>
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<td>2:20 - 3:10</td>
<td>Cardiomyopathies: Evaluation and Therapy</td>
<td>G. William Dec, MD</td>
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<td>3:10 - 3:20</td>
<td>Afternoon Break (refreshments provided)</td>
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<tr>
<td>3:20 - 4:10</td>
<td>Cardio-Oncology in 2019</td>
<td>Tomas G. Neilan, MD</td>
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<td>4:10 - 5:00</td>
<td>Updates to Evaluate and Treat Adult Congenital Heart Disease</td>
<td>Arni B. Bhatt, MD</td>
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<tr>
<td>8:00 - 8:50</td>
<td>Incorporating Advances in Electrical Therapy in Heart Failure for Improved Patient Outcomes</td>
<td>Jagmeet P. Singh, MD, PhD</td>
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<tr>
<td>8:50 - 9:40</td>
<td>Atrial Fibrillation: Pharmacologic and Nonpharmacologic Therapy</td>
<td>Moussa C. Mansour, MD</td>
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<td>10:00 - 10:50</td>
<td>Stroke Prevention in Atrial Fibrillation</td>
<td>E. Kevin Heist, MD, PhD</td>
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<td>10:50 - 11:40</td>
<td>Clinical Trials for Ventricular Arrhythmias</td>
<td>Conor D. Barrett, MBBCh, BAO</td>
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<td>11:40 - 12:30</td>
<td>Acute Coronary Syndromes: STEMI and NSTEMI Latest Data</td>
<td>Marc S. Sabatine, MD, MPH</td>
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<td>1:30 - 2:20</td>
<td>Dual Antiplatelet Therapy in Cardiovascular Disease</td>
<td>Michelle L. O’Donoghue, MD</td>
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<td>2:20 - 3:10</td>
<td>Thoracic Aortic Disease: Optimal Imaging and Management</td>
<td>Eric M. Isselbacher, MD</td>
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<td>3:20 - 4:10</td>
<td>Dyslipidemia: Latest Concepts</td>
<td>Pradeep Natarajan, MD</td>
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<td>4:10 - 5:00</td>
<td>Supraventricular Tachycardia</td>
<td>Theofanie Mela, MD</td>
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Register at Cardiology.HMSCME.com
### Friday, October 18

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

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<td>8:00 - 8:50</td>
<td>Exercise-Induced Cardiac Remodeling: What Is Normal?</td>
<td>Aaron L. Baggish, MD</td>
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<tr>
<td>8:50 - 9:40</td>
<td>How Exercise Protects the Heart: What the Latest Data Tell Us</td>
<td>Anthony Rosenzweig, MD</td>
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<td>9:40 - 10:00</td>
<td>Morning Break <em>(refreshments provided)</em></td>
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<tr>
<td>10:00 - 10:50</td>
<td>Indispensable Clinical Pearls: Filling In the Gaps</td>
<td>Adolph M. Hutter, Jr., MD and Rory B. Weiner, MD</td>
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<td>10:50 - 11:40</td>
<td>Heart Disease in Pregnancy: Early Detection through Safe Delivery</td>
<td>Nandita S. Scott, MD</td>
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<td>11:40 - 12:30</td>
<td>Coronary Disease: Medicate/Dilate/Operate</td>
<td>Farouc A. Jaffer, MD, PhD</td>
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<td>Spontaneous Coronary Artery Dissection (SCAD): Evaluation and Treatment</td>
<td>Malissa J. Wood, MD</td>
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<td>2:20 - 3:10</td>
<td>Management of Peripheral Arterial Disease in 2019</td>
<td>Douglas E. Drachman, MD</td>
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<td>Advanced Heart Failure: Acute and Chronic Therapy</td>
<td>Sunu S. Thomas, MD</td>
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<tr>
<td>4:10 - 5:00</td>
<td>Hypertrophic Cardiomyopathy: Recognition and Management</td>
<td>Michael A. Fifer, MD</td>
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### 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.*

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- 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.

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.

Register at Cardiology.HMSCME.com
Update in Clinical Cardiology 2019
Course #732120-2001

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<tr>
<th>Tuition</th>
<th>Register on or before September 15, 2019</th>
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<tbody>
<tr>
<td>Physicians</td>
<td>$995</td>
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<tr>
<td>Allied Health Professionals</td>
<td>$845</td>
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<tr>
<td>Residents, Fellows and Trainees</td>
<td>$700</td>
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</table>

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.