



HARVARD
MEDICAL SCHOOL

Update in Clinical **CARDIOLOGY**

OCTOBER 11 – 13, 2017

BOSTON, MA

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

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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
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- Coronary Artery Disease
- Acute Coronary Syndromes
- Biomarkers
- Valvular Heart Disease
- Congestive Heart Failure
- Dyslipidemia
- Atrial Fibrillation
- Ventricular Arrhythmias
- Advanced Cardiac Imaging
- Cardiovascular Disease in the Athlete
- 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

CLINICAL CARDIOLOGY 2017

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 and other more specific areas.

Harvard Medical School Faculty

Aaron L. Baggish, MD

Ami B. Bhatt, MD

G. William Dec, MD

Douglas E. Drachman, MD

Mason W. Freeman, MD

Brian B. Ghoshhajra, MD, MBA

Samuel Z. Goldhaber, MD

E. Kevin Heist, MD, PhD

Adolph M. Hutter, Jr., MD

Eric M. Isselbacher, MD

Farouc A. Jaffer, MD, PhD

James L. Januzzi, MD

Theofanie Mela, MD

Tomas G. Neilan, MD, MPH, MRCPI

Jonathan J. Passeri, MD

Anthony Rosenzweig, MD

Jeremy N. Ruskin, MD

Nandita S. Scott, MD

Jagmeet P. Singh, MD, PhD

Sunu S. Thomas, MD

Rory B. Weiner, MD

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, *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, *Assistant Professor of Medicine, Harvard Medical School; Inpatient Medical Director, Corrigan Minehan Heart Center, Massachusetts General Hospital*



MASSACHUSETTS
GENERAL HOSPITAL

CORRIGAN MINEHAN
HEART CENTER



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 2017 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



Educational Impact

PARTICIPANT EXPERIENCE

"The speakers were simply outstanding along with the appropriate level at which they taught; seeing their own mutual respect for each other and their profession was most inspiring."

"Update in Clinical Cardiology was an excellent course given by physicians dedicated to their specialty and truly experts in their field."

"The degree of evidence-based practice and recent research discussed and incorporated into recommendations was exceptional."

"It is always a great pleasure to see physicians who actually see patients and have clinical experience and recognize evidence rather than merely following guidelines."

"I rely on this course for my yearly update for the 'best practice' of current/contemporary clinical cardiology."

"Cutting-edge information was presented in every lecture."

"The clinically useful knowledge presented in this course, especially concerning syncope, cardiac markers, PE, AF and the NOACs, and cardiac oncology, was truly exceptional."

"The research on exercise and the heart and RNA as well as the cardio-oncology information was cutting edge."

"The course was very comprehensive, with an outstanding faculty, and ample opportunity to ask questions and speak one-on-one with presenters."

"This program has updated my management of pulmonary HTN, PE and Coronary Artery Disease, as well as evaluation and management of syncope in the ER."

LEARNING OBJECTIVES

Upon completion of this activity, 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

Appropriately use diagnostic and therapeutic tools to treat patients with cardiovascular disease

THE COMPREHENSIVE 2017 CLINICAL UPDATE

WEDNESDAY, OCTOBER 11

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	Acute Coronary Syndromes: STEMI and NSTEMI—Latest Data 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 or Percutaneous 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 or Percutaneous Jonathan J. Passeri, MD
2:20 - 3:10	The New Medical Therapies for Heart Failure G. William Dec, MD
3:10 - 3:25	Afternoon Break (<i>refreshments provided</i>)
3:25 - 4:10	Advanced Heart Failure and Mechanical Therapy: How to Minimize Hospital Readmission Rates, Functional Impairment and Mortality Sunu S. Thomas, MD
4:10 - 5:00	Cardio-Oncology in 2017 Tomas G. Neilan, MD, MPH, MRCPI

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.

THURSDAY, OCTOBER 12

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 Jeremy N. Ruskin, MD
9:40 - 10:00	Morning Break (<i>refreshments provided</i>)
10:00 - 10:50	Syncope: Clinical Strategies for Evaluation and Treatment Jeremy N. Ruskin, MD
10:50 - 11:40	Clinical Trials for Ventricular Arrhythmias E. Kevin Heist, MD, PhD
11:40 - 12:30	Stroke Prevention in Atrial Fibrillation E. Kevin Heist, MD, PhD
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	Supraventricular Tachycardia: Updates for Diagnosis and Treatment Theofanie Mela, MD
2:20 - 3:10	Thoracic Aortic Disease Eric M. Isselbacher, MD
3:10 - 3:25	Afternoon Break (<i>refreshments provided</i>)
3:25 - 4:10	Dyslipidemia: Latest Concepts Mason W. Freeman, MD
4:10 - 5:00	CTA & MRI in Cardiac Disease Brian Ghoshhajra, MD, MBA

Disclosure Policy

Harvard Medical School (HMS) adheres to all ACCME Accreditation Criteria and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

THE COMPREHENSIVE 2017 CLINICAL UPDATE

FRIDAY, OCTOBER 13

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	Updates to Evaluate and Treat Adult Congenital Heart Disease Ami B. Bhatt, 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 Farouc A. Jaffer, MD, PhD
12:30 - 1:30	Lunch break

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

1:30 - 2:20	Dual Antiplatelet Therapy
2:20 - 3:10	Pitfalls in Echocardiography: How to Recognize and Avoid Rory B. Weiner, MD
3:10 - 3:25	Afternoon Break (<i>refreshments provided</i>)
3:25 - 4:10	Management of Peripheral Arterial Disease in 2017 Douglas E. Drachman, MD
4:10 - 5:00	Indispensable Clinical Pearls: Filling In the Gaps Adolph M. Hutter, Jr., MD and Rory B. Weiner, MD

REASONS TO ATTEND

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

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

Expanded options to diagnose coronary artery disease, valvular heart disease, cardiomyopathy and arrhythmias.

Improved management of pulmonary embolism and peripheral arterial disease.

Best practices for care of pregnant or athletic patients with heart disease.

Clinical application of recent scientific information to patient care.

ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

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

The Harvard Medical School designates this live activity for a maximum of *22.75 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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.



HARVARD MEDICAL SCHOOL

Update in Clinical Cardiology 2017 Course #732120-1801	Tuition	Register on or before September 15, 2017
Physicians	\$945	\$845 (SAVE \$100)
Allied Health Professionals	\$795	\$695 (SAVE \$100)
Residents, Fellows and Trainees	\$650	

Your tuition includes juice and coffee each morning, and morning and afternoon refreshment breaks. All course participants receive a flash drive that contains all of the course materials. You can purchase a printed copy of these materials at the time of online registration for \$50.

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 \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a United States bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE office 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. 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 conference has started.

Venue

Fairmont Copley Plaza
138 St. James Avenue
Boston, Massachusetts
1-617-267-5300

Accommodations

A limited number of rooms have been reserved at Fairmont Copley Plaza. Please make your reservation at your earliest convenience—however, no later than September 19, 2017—by visiting the course website and clicking on the dedicated link on the Venue page. If you need to make your reservation by telephone, please call 1-800-441-1414 by September 19 and specify that you are enrolled in this course to receive the reduced room rate.



Please do not make nonrefundable travel arrangements until you have received an email from our office confirming your paid registration.

Questions?

Call 617-384-8600 Mon-Fri 9am – 5pm (ET). Send e-mail to CEPrograms@hms.harvard.edu.

Register at Cardiology.HMSCME.com