The 6th Annual Chicago Cardiovascular Update Meeting

July 20 - 22, 2017
Chicago, Illinois

Sponsored by:
Bluhm Cardiovascular Institute - Northwestern Medicine
and Northwestern University
Feinberg School of Medicine

Endorsed by the American College of Cardiology
We are pleased to invite you to the Sixth Annual Chicago Cardiovascular Update, July 20-22, 2017. Building on our past success and your thoughtful feedback, we are once again bringing to the community a contemporary scholarly update in cardiovascular medicine presented by highly regarded national experts both here at Northwestern University and beyond, in an interactive format that takes advantage of the great summer experiences offered in Chicago.

As has become our profile, we will adopt an evidence-based guideline driven update of the critical domains in cardiovascular medicine. We will especially focus our update on hypertension, prevention, heart failure, atrial fibrillation, valvular heart disease, and acute coronary syndromes. Significant new data and guidelines from 2016 – 2017 will represent the platform for our discussions. We are once again benefitted by the presence of lead authors and writing group committee members who are on our faculty and others with whom we frequently collaborate.

In our two and a half day meeting we have allowed ample time for discussion including small group networking sessions. As before, we will use contemporary audience response technology to allow real-time questions and answers.

We will once again work with the American College of Cardiology (ACC) to obtain access to the General Cardiology MOC module and will incorporate MOC sessions in this year’s program. After completion of this year’s Cardiovascular Update, physicians will be able to claim up to 10 points towards the American Board of Internal Medicine (ABIM) MOC. The cost for this is included in the physician registration fee and we believe that this is a value for all attendees and faculty.

We hope you join us for the Sixth Annual Chicago Cardiovascular Update and that you and your family will share a fabulous summer weekend with us in Chicago.

Our Chicago Cardiovascular Update has become THE cardiovascular CME program to attend over the summer — we look forward to seeing you!

Best regards,

Clyde W. Yancy, MD, MSc, Chair
Charles J. Davidson, MD, Co-Chair
Patrick M. McCarthy, MD, Co-Chair
Learning Objectives
At the conclusion of this activity, participants should be able to:

1. Outline strategies for the treatment of hypertension, hyperlipidemia, ASHD and diabetes, including the use of newer pharmacological agents and lifestyle therapies
2. Identify candidates for cardiac resynchronization and wearable versus implantable cardioverter-defibrillator therapies
3. Appreciate gender specific approaches toward the prevention of cardiovascular disease in women
4. Explain how the use of social media can positively impact cardiovascular health
5. Describe current and emerging treatment options for patients with valvular heart disease
6. List the latest recommendations for the management of pulmonary embolism, ST and non ST elevation MI
7. Discuss treatment options for the heart failure patient including acute and advanced heart failure
8. Apply knowledge gained in conference through clinical case review and MOC cases

Target Audience
This continuing medical education program is designed to meet the educational needs of physicians and all other health care providers who participate in the care of adult patients with, or at risk for cardiovascular disease.

Conference Location
This program will be held at Northwestern Memorial Hospital, Conference Room A on the third floor of the Feinberg Pavilion at 251 E Huron Street, Chicago, Illinois 60611.

Accreditation Statement
The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement
The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 15.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Credits: The American Academy of Nurse Practitioners and the American Nurses Credentialing Center accept AMA PRA Category 1 Credit(s)™ from organizations accredited by the ACCME.

Registration
You may register on-line at: cme.northwestern.edu. An email confirmation will be sent once your registration is complete. If you do not receive a confirmation once registration is complete, please contact the Office of CME at cme@northwestern.edu.

Registrations can also be mailed with a check made payable to Northwestern University. Registrations will not be accepted by telephone.

Cancellation Policy
Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration fee, minus $50 administrative charge, will be refunded if cancellation is received by June 9, 2017.

Special Needs
The Feinberg School of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference is in need of accommodation please indicate those needs on the registration form or submit written requests to the Office of CME at least one month prior to the conference date.

Hotel
Rooms have been reserved at the Hyatt Centric Chicago Magnificent Mile and will be available for a special symposium rate of $229 (single/double occupancy), plus 17.4% tax. The Hyatt Centric is located at 633 N. St. Clair Street, Chicago IL. Please contact the Hyatt directly at (888) 591-1234 or https://aws.passkey.com/go/6thCardiovascularUpdateMeeting to make your reservations. To receive the reduced room rate, reservations must be made by June 9, 2017 and identify yourself as a registrant of the Northwestern Cardiovascular Update Conference. Reservations made after June 19th are subject to availability at regular hotel rates. The room block may fill prior to the cutoff date, so be sure to make your arrangements early.
Faculty Disclosure
Northwestern University Feinberg School of Medicine requires course directors, speakers, instructors, planners, and other individuals who are in a position to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest are thoroughly vetted by NUFSM for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations. The faculty disclosures will be indicated in the course syllabus.

Course Directors
Clyde Yancy, MD, MSc
Chief, Cardiology
Associate Director, Bluhm Cardiovascular Institute
Vice Dean, Diversity & Inclusion
Magerstadt Professor of Medicine
Professor, Medical Social Sciences
Northwestern University Feinberg School of Medicine

Charles J. Davidson, MD
Clinical Chief, Cardiology
Medical Director, Bluhm Cardiovascular Institute
Professor of Medicine
Vice Chairman of Clinical Affairs
Department of Medicine
Northwestern University Feinberg School of Medicine

Patrick M. McCarthy, MD
Chief, Division of Cardiac Surgery
Executive Director, Bluhm Cardiovascular Institute
Heller-Sacks Professor of Surgery
Northwestern University Feinberg School of Medicine

Invited Faculty
George Bakris, MD
Director, ASH Hypertension Center
University of Chicago Medicine
Professor of Medicine
University of Chicago Pritzker School of Medicine

Mintu Turakhia, MD, MAS
Associate Professor of Medicine
Senior Director, Center for Digital Health
Stanford University School of Medicine
Chief, Cardiac Electrophysiology
Palo Alto VA Health Care System

Mikhail Kosiborod, MD
Director
Cardiometabolic Research Group
Professor of Medicine
Saint Luke’s Mid America Heart Institute
University of Missouri-Kansas City

Sharonne N. Hayes, MD
Professor of Medicine and Cardiovascular Diseases
Mayo Clinic School of Medicine

Richard Chazal, MD, MACC
Medical Director, Heart and Vascular Institute
Lee Health, Ft. Myers Florida
President American College of Cardiology

Manesh R. Patel, MD
Associate Professor of Medicine
Chief Division of Cardiology
Co-Director Heart Center
Duke University Health System

Northwestern University Feinberg School of Medicine Faculty
Allen S. Anderson, MD
Medical Director, Heart Transplantation and Mechanical Assistance Center for Heart Failure, Bluhm Cardiovascular Institute
Professor of Medicine
Robert O. Bonow, MD, MS
Director, Center for Cardiovascular Innovation
Bluhm Cardiovascular Institute
Goldberg Distinguished Professor of Cardiology

James D. Flaherty, MD
Medical Director, Coronary Care Unit
Bluhm Cardiovascular Institute
Associate Professor of Medicine in Interventional Cardiology

Kambiz Ghafourian, MD
Cardiologist
Bluhm Cardiovascular Institute
Assistant Professor of Medicine
Bradley Knight, MD
Medical Director, Center for Heart Rhythm Disorders
Director, Cardiac Electrophysiology
Bluhm Cardiovascular Institute
Cooley Professor of Medicine

Albert Lin, MD
Associate Director, Cardiac Electrophysiology
Bluhm Cardiovascular Institute
Associate Professor of Medicine

Donald Lloyd-Jones, MD, ScM
Senior Associate Dean for Clinical and Translational Research
Chair, Department of Preventive Medicine
Bluhm Cardiovascular Institute
Northwestern University Feinberg School of Medicine

Duc Thinh Pham, MD
Surgical Director, Heart Transplantation and Mechanical Assistance Center for Heart Failure,
Bluhm Cardiovascular Institute
Associate Professor of Surgery

Mark Ricciardi, MD
Chief, Cardiac Catheterization and Interventional Cardiology
Medical Director, Center for Coronary Disease
Bluhm Cardiovascular Institute
Associate Professor of Medicine

Jonathan Rich, MD
Associate Director, Mechanical Circulatory Support Program
Bluhm Cardiovascular Institute
Assistant Professor of Medicine

Stuart Rich, MD
Director, Pulmonary Vascular Disease Program
Bluhm Cardiovascular Institute
Professor of Medicine - Cardiology

Vera H. Rigolin, MD
Medical Director Echocardiography Laboratory
Bluhm Cardiovascular Institute
Professor of Medicine
Northwestern University Feinberg School of Medicine

Sanjiv Shah, MD
Director, Heart Failure with Preserved Ejection Fraction Program
Bluhm Cardiovascular Institute
Associate Professor of Medicine

Neil J. Stone, MD
Medical Director, Center for Vascular Disease
Bluhm Cardiovascular Institute
Bonov Professor of Medicine - Preventive Cardiology

Ranya Sweis, MD, MS
Interventional Cardiologist
Clinical Practice Director, Cardiology
Outpatient Clinic
Bluhm Cardiovascular Institute
Assistant Professor in Medicine - Interventional Cardiology

Patricia Vassallo, MD
Cardiologist
Bluhm Cardiovascular Institute
Assistant Professor in Medicine - Cardiology

Nishant Verma, MD, MPH
Cardiologist
Bluhm Cardiovascular Institute
Assistant Professor of Medicine

Esther Vorovich, MD
Cardiologist
Bluhm Cardiovascular Institute
Assistant Professor of Medicine

Jane Wilcox, MD
Cardiologist
Bluhm Cardiovascular Institute
Assistant Professor of Medicine
### Thursday, July 20, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Welcome &amp; Orientation</td>
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<tr>
<td></td>
<td>Clyde Yancy, MD, MSc</td>
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<tr>
<td>1:15 PM</td>
<td>Hypertension: Finally, the guidelines are out; What’s new?</td>
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<td></td>
<td>George Bakris, MD</td>
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<td>1:35 PM</td>
<td>Dyslipidemia- Who to treat and when</td>
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<td>Neil Stone, MD</td>
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<td>1:55 PM</td>
<td>Atherosclerotic Cardiovascular Disease-risk reduction therapy; beyond statins</td>
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<td>Donald Lloyd-Jones, MD, ScM</td>
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<td>2:15 PM</td>
<td>Diabetes- Now we can do something about CVD risk prevention</td>
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<td>Mikhail N Kosiborod, MD</td>
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<td>2:35 PM</td>
<td>Women and heart disease prevention- Should we do anything different?</td>
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<td></td>
<td>Sharonne Hayes, MD</td>
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<tr>
<td>3:05 PM</td>
<td>Case presentations with MOC questions and panel discussion</td>
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<tr>
<td></td>
<td>Panel: George Bakris, MD, Donald Lloyd-Jones, MD, Mikhail Kosiborod,</td>
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<td></td>
<td>Neil Stone, MD, Sharonne Hayes, MD, Patricia Vassallo, MD, Clyde Yancy,</td>
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<td></td>
<td>MD, MSc</td>
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<tr>
<td>3:45 PM</td>
<td>Break and Exhibits</td>
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<tr>
<td>4:15 PM</td>
<td>Session II Updates from the ACC</td>
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<td></td>
<td>Rick Chazal, MD, Immediate Past President, ACC</td>
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<tr>
<td>5:00 PM</td>
<td>Question and Answer:</td>
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<tr>
<td></td>
<td>Panel: Rick Chazal, MD, Clyde Yancy, MD</td>
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<tr>
<td>5:30 PM</td>
<td>Adjourn</td>
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#### Session I Cardiovascular Risk Assessment and Treatment
Moderators: Patricia Vassallo, MD and Clyde Yancy, MD, MSc

### Friday, July 21, 2017

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00 AM</td>
<td>When to order a wearable defibrillator</td>
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<tr>
<td></td>
<td>Mintu Turakhia, MD, MAS</td>
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<tr>
<td>9:20 AM</td>
<td>Update on the subcutaneous defibrillator</td>
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<tr>
<td></td>
<td>Bradley Knight, MD</td>
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<tr>
<td>9:40 AM</td>
<td>Cardiac resynchronization therapy: indications and implant techniques</td>
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<td></td>
<td>Albert Lin, MD</td>
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<tr>
<td>10:00 AM</td>
<td>Direct his-bundle pacing: A new option to consider</td>
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<td>Nishant Verma, MD, MPH</td>
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#### Session III Arrhythmias
Moderators: Bradley Knight, MD and Albert Lin, MD

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#### Session IV Interventional Cardiology Part I
Moderators: Robert Bonow, MD, MS, Charles Davidson, MD and Vera Rigolin, MD

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<td>Time</td>
<td>Session V Interventional Cardiology Part II</td>
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<tr>
<td>2:45 PM</td>
<td>Featured Lecture- The future of percutaneous coronary interventions&lt;br&gt;Manesh R Patel, MD</td>
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<td>ST elevation MI; The state of the art&lt;br&gt;James Flaherty, MD</td>
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<tr>
<td>3:40 PM</td>
<td>NSTEMI MI; The state of the art&lt;br&gt;Ranya Sweis, MD</td>
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<td>4:05 PM</td>
<td>Sub-massive PE; diagnosis and treatment; The state of the art&lt;br&gt;Dan Schimmel, MD</td>
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<tr>
<td>4:30 PM</td>
<td>Panel discussion, case presentations and MOC questions&lt;br&gt;James Flaherty, MD&lt;br&gt;Ranya Sweis, MD&lt;br&gt;Dan Schimmel, MD&lt;br&gt;Stuart Rich, MD&lt;br&gt;Charles Davidson, MD&lt;br&gt;Mark Ricciardi, MD</td>
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<tr>
<td>8:00 AM</td>
<td>Breakfast and Keynote&lt;br&gt;The 2016/2017 ACC/AHA/HFSA Heart Failure Guidelines; A review&lt;br&gt;Clyde W. Yancy, MD, MSc (Guideline Committee Chair)</td>
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Saturday, July 22, 2017
## Registration Categories

### I. Full Conference Registration  
(July 20-22, 2017)

- $450 .............................. Physician
- $450 .................... Industry Professional
- $350 ....... Physician of Northwestern Medicine
- $250 .. Nurse, Physician Trainees and Other HCPs

### II. One-Day Conference Registration  
(Thursday, July 20, 2017)

- $250 .............................. Physician
- $250 .................... Industry Professional
- $200 ....... Physician of Northwestern Medicine
- $150 .. Nurse, Physician Trainees and Other HCPs

### III. One-Day Conference Registration  
(Friday, July 21, 2017)

- $250 .............................. Physician
- $250 .................... Industry Professional
- $200 ....... Physician of Northwestern Medicine
- $150 .. Nurse, Physician Trainees and Other HCPs

### IV. One-Day Conference Registration  
(Saturday, July 22, 2017)

- $250 .............................. Physician
- $250 .................... Industry Professional
- $200 ....... Physician of Northwestern Medicine
- $150 .. Nurse, Physician Trainees and Other HCPs

*Physician registration fee includes access to the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) online module. Physicians can earn up to 10 MOC points valid towards the medical knowledge self-assessment requirements.*

## How to Register

**ONLINE** – cme.northwestern.edu  
OR mail with a check made payable to Northwestern University to:

Northwestern University  
Office of Continuing Medical Education  
240 E. Huron, Ste. 1-200  
Chicago, IL 60611

For questions regarding registration you can email us at cme@northwestern.edu  
Registrations will not be accepted by telephone.

**Please type or print**

- **MD**
- **RN**
- **PA**
- **Other ____**

**Address:**

______________________________  
______________________________  
______________________________

**City:**  
**State:**  
**Zip Code:**

**Daytime Phone:**  
**Fax:**

**E-mail:**

*(your registration confirmation will be emailed)*

**Specialty:**

Please indicate any special needs: ________________________________________________

Please indicate any dietary needs: ________________________________________________

**Thursday:** Welcome Reception & Arthur C. Nielsen Jr. Symposium at the Gallery at GreenRiver  
Yes_______  No ________
Bluhm Cardiovascular Institute
251 East Huron, Galter Suite 11-140
Chicago, Illinois 60611

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