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LOEWS CHICAGO HOTEL | CHICAGO, IL

8th Annual The Heart Beat of Cardiology: Practical Application of Echocardiography

Pre-Registration – Wednesday, December 9, 2015
6:00-7:00 p.m. Wright Foyer, 1st Floor

December 10-12, 2015

*In Collaboration With University
of Chicago Medical Center.*

Division of
Cardiovascular Diseases

Program Directors
Roberto M. Lang, M.D., FACC, FAHA, FESC, FASE, FRCP
Steve R. Ommen, M.D., FACC, FAHA

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<http://ce.mayo.edu/cardiovascular-diseases/heartbeat2015>

REGISTER ONLINE TODAY!



Course Description

The Heart Beat of Cardiology is a premier educational venue for echocardiography in clinical practice. This is held collaboratively with the University of Chicago Medical Center. The program is designed to accommodate the evolving needs of inquisitive attendees.

Topics covered will include basic and advanced hemodynamics, 3-D echocardiography, endocardial/pericardial disease, ischemic heart disease, vascular health, contrast, heart failure, diastolic function, new technologies, and valvular heart disease.

Unique Features: Audience response system to enhance immediate feedback. Easy access to faculty members. One-on-one interaction. Efforts will be made to introduce the clinical applications using new technology, however, there is no hands-on experience provided. Self-assessment questions to gauge outcome.

Teaching Materials/Syllabus

Attendees will be provided a link to obtain course materials on the internet and are welcome to bring a laptop or iPad during the learning sessions. Syllabus will be uploaded the day the presenter presents.

Course Learning Objectives

Upon conclusion of this program, participants should be able to:

- Identify and quantitate valvular heart disease severity, apply current guidelines, and use the ASE standard for quantification
- Apply conventional and tissue Doppler techniques to diastolic function analysis
- Interpret stress echocardiographic examinations
- Differentiate athlete's heart from hypertrophic cardiomyopathy
- Evaluate application of 3-D echocardiography

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Intended Audience

This program is designed for adult cardiologists, cardiovascular surgeons, anesthesiologists, radiologists, nurses, cardiac sonographers, and fellows in training. Participants should have practical knowledge of echocardiography.

Credit

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 17.5 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Attendees should ensure in advance that their credentialing or licensing organization accepts *AMA PRA Category 1 Credits*[™] from the sponsor of this activity.



Educational Grants

At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at scheduled breaks.

Date and Location

The Heart Beat of Cardiology will be held December 10-12, 2015. Course headquarters will be located in Loews Chicago, 455 North Park Drive, Chicago, IL 60611 in the Wright Ballroom on the First Floor. Meeting site telephone: 312-840-6600

Travel

Chicago O'hare International airport is the recommended airport for arrival. Taxi is the recommended mode of transportation from the airport.

Travel arrangements are the sole responsibility of the individual registrant.

Lodging Accommodations

Experience Chicago from the heart of the city and enjoy spectacular city skyline and lake views at the brand new Loews Chicago Hotel, located near North Michigan Avenue. Accommodations are just steps from the lakefront, the downtown business district and fabulous shopping on The Magnificent Mile. Admirers of the arts will find bliss at the Art Institute of Chicago.

To secure your room at the Loews Chicago, please call **800-234-5117** and state that you will be attending the **Mayo Clinic Conference** or use the code **"MAY129"**. The room rate is **\$189** (single/double). The room block is scheduled to be held until **Wednesday, November 18, 2015** but may be sold out before this date. Therefore, we advise you to register for the program and reserve your lodging as soon as possible.

On-line Booking: https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=13445452

Check-in time is 4:00 p.m.

Check-out time is 11:00 a.m.

Parking at the Hotel

Self-parking - \$36

Valet Overnight Parking - \$65/day

Reduced parking is available at other parking structures not associated with the hotel.

Additional self-parking options are listed below:

Aon Center Garage – 251 East Middle Lake Street

Prudential Plaza Garage – 181 E. Lake Street

Aqua Garage – 225 N. Columbus Avenue

Michigan Plaza Garage – 180 East Lower Lake Street

For further information regarding the area and its attractions, please refer to:

<http://www.chicagotraveler.com/things-to-do.htm>

Mayo Clinic Division of Cardiovascular Diseases is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you.

Faculty

Course Directors

Roberto M. Lang, M.D., FACC, FAHA, FESC, FASE, FRCP

Past President American Society of Echocardiography; Professor of Medicine and Radiology; Director, Noninvasive Cardiac Imaging Labs; The University of Chicago Medical Center, Chicago, IL

Steve R. Ommen, M.D., FACC, FAHA

Professor of Medicine, Mayo Clinic; Associate Dean, Center for Connected Care; Consultant, Division of Cardiovascular Diseases and Internal Medicine, Mayo Clinic, Rochester, MN

Faculty

Robert O. Bonow, M.D., MACC, FAHA, FESC

Goldberg Distinguished Professor of Cardiology, Northwestern University Feinberg School of Medicine; Northwestern Memorial Hospital, Chicago, IL

Panithaya Chareonthaitawee, M.D., FACC, FAHA

Associate Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases; Director, Nuclear Cardiology Laboratory, Mayo Clinic, Rochester, MN

Jeanne M. DeCara, M.D., FACC, FASE

Associate Professor of Medicine, Section of Cardiology, The University of Chicago Medical Center, Chicago, IL

Steven J. Lester, M.D., FACC, FRCPC, FASE

Associate Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Associate Chair of Medicine, Innovation, Mayo Clinic, Scottsdale, AZ

Sunil V. Mankad, M.D., FACC, FCCP, FASE

Associate Professor of Medicine, Mayo Clinic; Consultant, Division of Cardiovascular Diseases and Internal Medicine; Associate Director, Cardiology Fellowship; Director, Transesophageal Laboratory, Mayo Clinic, Rochester, MN

Kirk T. Spencer, M.D., FACC, FASE

Professor of Medicine, Associate Director Echocardiography Lab, The University of Chicago Medical Center, Chicago, IL

R. Parker Ward, M.D., FACC, FASE

Professor of Medicine, Director, Cardiovascular Fellowship Program, Section of Cardiology, The University of Chicago Medical Center, Chicago, IL

Lynn Weinert, RDCS

Senior Sonographer, The University of Chicago Medical Center, Chicago, IL

Faculty Disclosure

As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

Program Schedule



WEDNESDAY, DECEMBER 9, 2015

6:00-7:00 p.m. Pre-Registration – Wright Foyer, 1st Floor

THURSDAY, DECEMBER 10, 2015

7:30 a.m. Registration – Wright Foyer, 1st Floor
Continental Breakfast and Exhibits –
Wright Ballroom, 1st Floor

8:15 a.m. Welcome
Drs. Steve R. Ommen and Roberto M. Lang

VALVULAR HEART DISEASE - I

Dr. Steve R. Ommen, presiding

8:30 a.m. The Most Important Changes in Practical Management of Aortic Valve Disease From the 2014 VHD Guidelines
Robert O. Bonow, M.D.

9:00 a.m. Aortic Stenosis: Evaluation of Severity
Steven J. Lester, M.D.

9:30 a.m. Aortic Stenosis: Area-Gradient Mismatch
Steven J. Lester, M.D.

10:00 a.m. Refreshment Break

10:30 a.m. The Most Important Changes in Practical Management of Mitral Valve Disease from 2014 VHD Guidelines
Robert O. Bonow, M.D.

11:00 a.m. Mitral Valve Morpho-anatomy?
Roberto M. Lang, M.D.

11:30 a.m. Panel Discussion
Drs. Bonow, Lester, and Lang; Dr. Ommen, moderator

12:00 p.m. Lunch

VALVULAR HEART DISEASE - II

Dr. Roberto M. Lang, presiding

1:00 p.m. Endocarditis: Timing of Surgery
Sunil V. Mankad, M.D.

1:30 p.m. Tricuspid Regurgitation
R. Parker Ward, M.D.

2:00 p.m. Interventional Echo – Guidance of Valve Related Procedures
Sunil V. Mankad, M.D.

2:30 p.m. Panel Discussion
Drs. Mankad and Ward; Dr. Lang, moderator

3:00 p.m. Refreshment Break

3:30 p.m. Live Demonstration
Practical Knobology and Image Acquisition – Live Scanning
Drs. Roberto M. Lang, Sunil V. Mankad, and Ms. Lynn Weinert

5:00 p.m. Adjourn

FRIDAY, DECEMBER 11, 2015

7:30 a.m. **Continental Breakfast**

HEART FAILURE

Dr. Steve R. Ommen, presiding

8:00 a.m. **Echo for Diastolic Function – The Why: Prevalence, Clinical Outcome**
Steven J. Lester, M.D.

8:30 a.m. **Echo for Diastolic Function – The How: A Practical Approach**
Steve R. Ommen, M.D.

9:00 a.m. **Constriction vs Restriction**
Jeanne M. DeCara, M.D.

9:30 a.m. **Refreshment Break**

10:00 a.m. **New Recommendations for Chamber Quantification**
Roberto M. Lang, M.D.

10:30 a.m. **Value of Doppler for Evaluation of LVADs**
Roberto M. Lang, M.D.

11:00 a.m. **Imaging for Myocardial Viability**
Panithaya Chareonthaitawee, M.D.

11:30 a.m. **Panel Discussion**
Drs. Lester, DeCara, Lang, and Chareonthaitawee; Dr. Ommen, moderator

12:00 p.m. **Lunch**

ISCHEMIC HEART DISEASE

Dr. Roberto M. Lang, presiding

1:00 p.m. **CV Risk Assessment**
Panithaya Chareonthaitawee, M.D.

1:30 p.m. **Stress Echo**
Steven J. Lester, M.D.

2:00 p.m. **Echo in Acute MI**
Sunil V. Mankad, M.D.

2:30 p.m. **Panel Discussion**
Drs. Chareonthaitawee, Lester, and Mankad; Dr. Lang, moderator

3:00 p.m. **Refreshment Break**

MISCELLANEOUS

Dr. Roberto M. Lang, presiding

3:30 p.m. **Hypertrophic Cardiomyopathy**
Steve R. Ommen, M.D.

4:00 p.m. **What Every Cardiologist Should Know About Basic Congenital Heart Disease**
Jeanne M. DeCara, M.D.

4:30 p.m. **Systematic Diseases Impacting the Heart**
Sunil V. Mankad, M.D.

5:00 p.m. **Adjourn**



SATURDAY, DECEMBER 12, 2015

7:30 a.m. Continental Breakfast

THE LAST DAY!

Dr. Steve R. Ommen, presiding

8:00 a.m. Cardiac Amyloidosis
Kirk T. Spencer, M.D.

8:30 a.m. Echo in the ICU and Emergency Department. Practical Considerations and Quality Control
R. Parker Ward, M.D.

9:00 a.m. Imaging the Right Ventricle
Steven J. Lester, M.D.

9:30 a.m. Panel Discussion
Drs. Spencer, Ward, and Lester; Dr. Ommen, moderator

10:00 a.m. Refreshment Break

10:15 a.m. Myocardial Tissue Imaging
Steven J. Lester, M.D.

10:45 a.m. 3-D Echo Review
Roberto M. Lang, M.D.

11:15 a.m. Imaging the Thoracic Aorta
Kirk T. Spencer, M.D.

11:45 a.m. Panel Discussion
*Drs. Spencer, Ward, and Lester;
Dr. Ommen, moderator*

12:15 p.m. Conclusion
Steve R. Ommen, M.D.



Local Attractions

Grayline Tours is a great way to visit any part of the city. To select the tour of your choice, refer to: <http://www.grayline.com/Grayline/destinations/us/chicago.go>



Additionally, below are other popular attractions in the area.

- Adler Planetarium & Astronomy Museum
- American Girl Place
- Art Institute of Chicago
- ESPN Zone
- Field Museum of Natural History
- John Hancock Observatory – there is a beautiful Christmas train set-up in the lower level
- Lake Michigan
- Lyric Opera House of Chicago
- Marriott Hotel Entry – there is a beautiful gingerbread house display in the entry of the hotel
- Merchandise Mart
- Michigan Avenue/The Magnificent Mile
- Millennium Park
- Museum of Contemporary Art
- Museum of Science & Industry
- Navy Pier
- Nordstrom and the Shops of North Bridge
- Rush Street (Downtown Chicago)
- Shedd Aquarium
- Shopping all within the local area
- Soldier Field (Home of the Chicago Bears Football Team)
- United Center (Home of Chicago Bulls/Blackhawks)
- US Cellular Field (Formerly Comiskey Park)
- Wrigley Field (Home of the Chicago Cubs Baseball Team)
- ZooLights at Chicago's Lincoln Park Zoo

Join Us Next Year!

9th Annual The Heart Beat of Cardiology: Practical Application of Echocardiography

December 8-10, 2016

The Westin Michigan Avenue

Chicago, IL 60611





REGISTRATION

Register online:

<https://ce.mayo.edu/cardiovascular-diseases/heartbeat2015>

Registration Fee:

Course Registration (MD, PhD, DO, PharmD)	\$755.00
Course Registration (Fellows in Training, Sono, RN)	\$565.00

Registration is only available online at:

<https://ce.mayo.edu/cardiovascular-diseases/heartbeat2015>

Mayo Clinic Division of Cardiovascular Diseases implemented an online conference registration system in January 2012. If this is your first time using the online system, you will need to create a profile. The attendee's email address is required upon registration. A letter of confirmation and receipt will be forwarded to this email address upon receipt of submitted registration and payment. Present this letter when checking in at the meeting registration desk.

The registration fee includes tuition, electronic course syllabus, continental breakfasts, break refreshments, and lunch.

Although it is not Division of Cardiovascular Diseases policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. Enrollment for this program is limited.

For additional information, contact:

Mayo Clinic Cardiovascular CME
200 First Street SW – Gonda 6-138
Rochester, MN 55905

E-mail: cvcme@mayo.edu

Phone: 800-283-6296 or 507-266-6703

Website: <https://ce.mayo.edu/cardiovascular-diseases/heartbeat2015>

CANCELLATION POLICY

If you cancel your participation in this course, your registration fee, less a \$75 administrative fee, will be refunded when written notification is received by Division of Cardiovascular Diseases before Thursday, November 26, 2015 (cvcme@mayo.edu or fax#: 507-266-7403). No refunds will be made on or after Thursday, November 26, 2015. Canceled registrations are non-transferable.

Division of Cardiovascular Diseases reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Division of Cardiovascular Diseases must cancel or postpone this course, Division of Cardiovascular Diseases will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

Mayo Clinic Division of Cardiovascular Diseases
200 First Street SW / GO6-138
Rochester, MN 55905

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8th Annual The Heart Beat of Cardiology: Practical Application of Echocardiography

December 10-12, 2015



**NEW LOCATION
IN 2015!**

If you already received a copy of this brochure, please give this brochure to an interested colleague.



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Course Description

Topics covered include ischemic heart disease, 3-D echocardiography, endocardial/pericardial disease, vascular health, new technologies, and valvular heart disease.

Highlights

- Interactive case studies
- Panel discussions
- Opportunities for course faculty interaction

Accommodations

Loews Chicago Hotel guest rooms have been reserved for attendees and their guests with special course rates of \$189 per night, including Internet service.