Department of Cardiovascular Diseases

5th Annual
VALVULAR HEART DISEASE:
Diagnosis, Imaging and Structural Intervention

February 15-17, 2016
Grand Hyatt at Baha Mar, West Bay Street | Nassau, The Bahamas

Structural Heart Disease specialists from Mayo Clinic and Columbia are collaborating to bring you the latest advancements to help you care for your patients.

Mayo Clinic Directors:
Charanjit S. Rihal, M.D.
Charles J. Bruce, M.B., Ch.B.
Kevin L. Greason, M.D.
Rakesh M. Suri, M.D., D.Phil.

Cardiovascular Research Foundation Directors:
Gregg W. Stone, M.D.
Martin B. Leon, M.D.

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celinks.mayo.edu/structuralheart2016
REGISTER ONLINE TODAY!
COURSE DESCRIPTION
Expert faculty will use a case-based format that will highlight innovations and recent developments in valvular and structural heart disease imaging and interventions. This clinically oriented course will provide you with practical up to date knowledge that will enable you to optimally care for your patients with valvular heart disease. The course will review what you need to know regarding the clinical assessment, imaging and state-of-the-art treatment for aortic stenosis and mitral regurgitation. We will also address left atrial appendage closure and other challenging clinical problems, such as severe tricuspid regurgitation, asymptomatic severe aortic regurgitation, paravalvular regurgitation, and when to close a patent foramen ovale will also be addressed.

TEACHING MATERIALS
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.

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

• Describe the anatomy of the aortic and mitral valves as well as the left atrial appendage
• Quantitatively assess the severity of aortic stenosis and mitral regurgitation using echocardiography
• Assess the need for aortic valve replacement as well as transcatheter based options for the treatment of aortic stenosis
• Review current strategies for surgical and transcatheter repair or replacement of the mitral valve
• Identify strategies for PFO closure
• Describe transcatheter left atrial appendage closure using the WATCHMAN device.

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 course is intended for general cardiologists, non-invasive and interventional cardiologists, cardiac surgeons, echocardiographers, as well as NP/PAs and nurses who care for patients with valvular and structural heart diseases.
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 16.25 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.

GRANTS AND EXHIBITS
At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at all scheduled breaks.

DATE AND LOCATION
All sessions will be held at the Grand Hyatt at Baha Mar, West Bay Street, Nassau, The Bahamas.

General Session: Ballroom B, Sections 1-3
Exhibits/Breaks/Breakfast: Ballroom B Prefunction Foyer
Reception: Event Lawn I

TRAVEL/TRANSPORTATION
Nassau International Airport, Bahamas (NAS) - Direct and connecting flights readily serve the International Airport at Nassau from anywhere in the world.

WEATHER
The climate in The Bahamas is subtropical to tropical and is exceptionally moderate in the winter when the Gulf Stream warms the surrounding waters. Average annual temperatures are around 30°C (83°F). The stunning turquoise Caribbean waters against one kilometer of uninterrupted white sand beachfront will be a proud highlight of life at the Atlantis. Snorkel, scuba, windsurf, sail, fish or simply relax and explore the natural splendor.
LODGING ACCOMMODATIONS

To secure your room at the Grand Hyatt, please call 888-421-1442 and state that you will be attending the Mayo Clinic Case Studies in Structural Heart Disease. Room rates are as follows. There is a limit of four persons per guestroom.

-$200  Single/Double Occupancy
-$250  Triple Occupancy
-$275  Quadruple Occupancy

Once this limited room block is full, the following rates will apply.

-$325  Single/Double Occupancy
-$375  Triple Occupancy
-$400  Quadruple Occupancy

Please note: Room rates are quoted exclusive of applicable state and local taxes and applicable service charges (currently 7.5% Value Added Tax and 10% occupancy tax) per night. In addition, there is a resort fee of $40.00 plus 7.5% Value Added Tax (VAT) per room, per night. Resort fee includes non-motorized water sports, high speed Wi-Fi Internet access in guest rooms, in-room bottled water, refreshed daily, Fitness Center access, local calls and access fees, in-room coffee/tea service, bellman and maid gratuities.

Attendee’s credit card will be charged the two (2) nights’ guest room rate, taxes, and resort fee at the time of the booking. Refunds will be issued on individual attendee’s reservations canceled at least thirty (30) days in advance of the confirmed arrival date. All guaranteed reservations will be held until 3:00 a.m. on the day after the attendee’s confirmed arrival date. Attendees must pay balance of the guest room, resort charges, and other incidentals upon checkout.

The hotel room block is scheduled to be held until Wednesday, January 13, 2016, 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. When you make your reservation, please be sure to ask about any additional fees, early departure fees, or cancellation penalties.

Check-in Time: 3:00 p.m.
Check-out Time: 12:00 p.m.

Lodging arrangements are the sole responsibility of the individual registrant. 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.
SOCIAL PROGRAM
Welcome Reception – Monday, February 15, 2016 – 6:30-7:30 p.m. – Event Lawn 1
Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Monday, February 15 from 6:30-7:30 p.m. This casual reception welcomes you to The Bahamas, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues.

FACULTY
Mayo Clinic Directors
Charanjit S. Rihal, M.D., FACC
Charles J. Bruce, M.B., Ch.B., FACC
Kevin L. Greason, M.D., FACC, FACS

Columbia-Cardiovascular Research Foundation Directors
Gregg W. Stone, M.D., FACC
Martin B. Leon, M.D., FACC

Mayo Faculty
Allison K. Cabalka, M.D., FACC, FASE
Richard C. Daly, M.D.
Mackram F. Eleid, M.D., FACC
Joseph F. Maalouf, M.D., FACC, FAHA
Joseph J. Maleszewski, M.D., FACC, FCAP
Thomas M. Munger, M.D.
Vuyisile T. Nkomo, M.D., MPH, FACC
Peter M. Pollak, M.D.
Guy S. Reeder, M.D., FACC
Eric E. Williamson, M.D.

Guest Faculty
Michael A. Borger, M.D., Ph.D., FAHA
Director of Cardiovascular Institute, Columbia University Medical Center, New York, NY

Rebecca T. Hahn, M.D., FACC, FASE
Associate Professor of Medicine; Director of Interventional Echocardiography, Columbia University Medical Center, New York, NY

Susheel Kodali, M.D., FACC
Assistant Professor of Medicine; Director NYP Columbia Heart Valve Center; Director Interventional Cardiology Fellowship Program, Columbia University Medical Center, New York, NY

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.
SUNDAY, FEBRUARY 14, 2016
5:00-6:00 p.m.  Registration
Ballroom B Prefunction

MONDAY, FEBRUARY 15, 2016
7:00 a.m.  Registration and Continental Breakfast
Ballroom B Prefunction
7:45 a.m.  Audience Pre-Test

AORTIC VALVE
Moderators:  Drs. Bruce, Rihal, Stone, and Greason
8:00 a.m.  Anatomy of the Aortic Valve, Left Ventricular Outflow Tract and Aortic Root and Conduction System – What the Heart Team Needs to Know
Joseph J. Maleszewski, M.D.

STATE-OF-THE-ART LECTURE
8:20 a.m.  TAVR: 2016 and Beyond
Martin B. Leon, M.D.

AORTIC IMAGING AND INTERVENTION: ILLUSTRATIVE CASES
9:00 a.m.  Assessment of AS Severity
Joseph F. Maalouf, M.D.
9:20 a.m.  Low Output Low Gradient AS
Rebecca T. Hahn, M.D.
9:40 a.m.  Panel Discussion
10:00 a.m.  Refreshment Break
Moderators:  Drs. Hahn and Rihal
10:30 a.m.  TAVR: Key Aspects of Pre-procedural Imaging
Eric E. Williamson, M.D.
10:50 a.m.  Paravalvular Regurgitation
Susheel Kodali, M.D.
11:10 a.m.  Aortic Valve in Valve
Alberto Pochettino, M.D.
11:30 a.m.  TAVR and the Conduction System
Thomas M. Munger, M.D.
11:50 a.m.  Panel Discussion
12:00 p.m.  Lunch

“CASE IN A BOX”
Moderators:  Drs. Rihal, Kodali, Greason, Borger, and Williamson
12:30 p.m.  TAVR Case in a Box: SAPIEN and Core Valve
Presenters:  Drs. Nkomo (SAPIEN) and Hahn (COREVALVE)
1:30 p.m.  Adjourn for the Afternoon
5:00 p.m.  Optional Workshop: Setting Up a TAVR Program

How to Build the Team – Dr. Peter M. Pollak
Imaging – Drs. Hahn and Williamson

6:00 p.m.  Adjourn

6:30-7:30 p.m.  Welcome Reception
Event Lawn 1
(Attendees and their guests invited)

TUESDAY, FEBRUARY 16, 2016

7:30 a.m.  Continental Breakfast
Ballroom B Prefunction

MITRAL VALVE
Moderators: Drs. Rihal, Bruce, Daly, Hahn, and Borger

8:00 a.m.  Anatomy of the Mitral Valve and Mitral Apparatus
Joseph J. Maleszewski, M.D.

8:20 a.m.  Mitral Regurgitation: Mitral Valve Anatomy Drives Therapy
Richard C. Daly, M.D.

MITRAL VALVE IMAGING AND INTERVENTION: ILLUSTRATIVE CASES

9:00 a.m.  Quantitative Assessment of Mitral Regurgitation
Vuyisile T. Nkomo, M.D.

9:20 a.m.  Mitral Valve Morphology – Value of 3-D
Joseph F. Maalouf, M.D.

9:40 a.m.  Panel Discussion

10:00 a.m.  Refreshment Break
Moderators: Drs. Borger and Bruce

10:30 a.m.  Robotic Mitral Valve Repair
Richard C. Daly, M.D.

10:50 a.m.  Mitral Perileak: Diagnosis and Intervention
Peter M. Pollak, M.D.

11:10 a.m.  MitraClip: How to the Hemodynamic Result
Mackram F. Eleid, M.D.

11:30 a.m.  Mitral Valve in Valve
Charanjit S. Rihal, M.D.

11:50 a.m.  Novel Transcatheter Approaches to Mitral Valve Replacement
Gregg W. Stone, M.D.

12:10 p.m.  Lunch
“CASE IN A BOX”
Moderators: Drs. Borger, Hahn, Reeder, Eleid and Stone

12:30 p.m. Mitral Clip Case in a Box – Emphasis on Case Selection, Imaging and Procedural Aspect
Presenter: Dr. Bruce

1:30 p.m. Adjourn for the Afternoon

5:00 p.m. Optional Afternoon Workshop – How To Perform 3-D TEE
Drs. Hahn and Maalouf

6:00 p.m. Adjourn

WEDNESDAY, FEBRUARY 17, 2016
7:30 a.m. Continental Breakfast
Ballroom B Prefunction

LAA CLOSURE
Moderators: Drs. Munger, Rihal, Bruce, and Greason

8:00 a.m. Anatomy of the Left Atrial Appendage: What the Heart Team Needs to Know
Joseph J. Maleszewski, M.D.

STATE-OF-THE-ART LECTURE
8:20 a.m. Left Atrial Appendage Closure in 2016
Thomas M. Munger, M.D.

LAA IMAGING AND INTERVENTION: ILLUSTRATIVE CASES

8:45 a.m. Imaging of the LAA
Rebecca T. Hahn, M.D.

9:05 a.m. WATCHMAN
Gregg W. Stone, M.D.

9:20 a.m. Novel Anticoagulants: AF and Valve Disease
Thomas M. Munger, M.D.

9:40 a.m. Panel Discussion

10:00 a.m. Refreshment Break

INTERESTING CASES HIGHLIGHTING TIMING OF INTERVENTION
Moderators: Drs. Bruce, Greason and Rihal

10:30 a.m. Asymptomatic Severe Aortic Regurgitation
Vuyisile T. Nkomo, M.D.

10:50 a.m. Severe Tricuspid Regurgitation Secondary to Device Lead
Charles J. Bruce, M.B., Ch.B.

11:10 a.m. PFO – To Close or Not To Close?
Guy S. Reeder, M.D.

11:30 a.m. Post MI VSD
Allison K. Cabalka, M.D.

11:50 a.m. Audience Post-Test

12:00 p.m. Adjourn
Registration

Register online:
celinks.mayo.edu/structuralheart2016

Registration Fee:
Course Registration (MD, PhD, DO, PharmD) $795.00
Course Registration (Residents, PA, NP, RN) $695.00

Registration is only available online at:
celinks.mayo.edu/structuralheart2016

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. Please present the confirmation letter when checking in at the meeting registration desk.

The registration fee includes tuition, comprehensive on-line course syllabus, continental breakfasts, break refreshments, and welcome reception.

Although it is not the 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:
Cardiovascular Continuing Education
200 First Street SW – Gonda 6-138
Rochester, MN 55905

E-mail: cvcme@mayo.edu
Phone: 800-283-6296 or 507-266-6703
Website: celinks.mayo.edu/structuralheart2016

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 Monday, February 1, 2016 (cvcme@mayo.edu or fax#: 507-266-7403). No refunds will be made on or after Monday, February 1, 2016. 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.
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If you already received a copy of this brochure, please give this brochure to an interested colleague.

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