MARCH 3-5, 2016

Houston Methodist Research Institute
6670 Bertner Ave., Houston, TX 77030

Hosted by the DeBakey Institute for Cardiovascular Education & Training (DICET)

Houston Methodist and ISMICS are proud to present

7TH ANNUAL
RE-EVOLUTION
SUMMIT

Minimally Invasive Cardiac Surgery (MICS): The Ultimate Hands-On Summit


events.houstonmethodist.org/reevolution
THURSDAY, MARCH 3
7 a.m. Registration and Breakfast
7:45 Welcome and Overview
  Mahesh Ramchandani, MD

SESSION I: PERFUSION, IMAGING AND TEVAR
Moderator: Mahesh Ramchandani, MD
8 Perfusion, Cannulation and Myocardial Preservation Strategies
  Eric R. Skipper, MD
8:30 Question and Answer
8:40 Interventional Imaging—What the Cardiac Surgeon Needs to Know
  Alan B. Lumsden, MD
9 TEVAR
  Jean Bismuth, MD
9:20 Question and Answer
9:40 Break and Exhibits

SESSION II: MICS AND ROBOTIC CABG
Moderator: Husam H. Balkhy, MD
10:10 TECAB
  Husam H. Balkhy, MD
10:30 MICS CABG
  Joseph T. McGinn, MD
10:50 Robotic CABG
  Francis P. Sutter, MD
11:10 Hybrid
  Michael E. Halkos, MD
11:30 Question and Answer

Noon LUNCH LECTURE
  Brian J. Dunkin, MD

FRIDAY, MARCH 4
7 a.m. Registration and Breakfast
7:45 Welcome and Remarks
  Mahesh Ramchandani, MD

SESSION I: VALVES
Moderator: Daniel Bethencourt, MD
8 Minithoracotomy MVR
  Paul S. Massimiano, MD
8:20 Robotic MVR
  Daniel Bethencourt, MD
8:40 Ministernotomony AVR
  Gregory P. Fontana, MD
9 Minithoracotomy AVR
  Joseph Lamelas, MD
9:20 Question and Answer
9:40 Break and Exhibits

SESSION II: TAVR
Moderator: Michael J. Reardon, MD
10:10 TAVR Overview
  Tom C. Nguyen, MD
10:30 TAVR Devices
  Gregory P. Fontana, MD
10:50 TAVR vs. SAVR
  G. Michael Deeb, MD
11:10 Transcatheter Mitral
  Robert F. Hebler Jr., MD
11:30 Question and Answer

Noon LUNCH LECTURE
  Gregory Fontana, MD, President of ISMICS

SESSION III: HANDS-ON WORKSHOPS
THURSDAY: MICS CABG, Robotic CABG • TEVAR and Advanced Imaging for Cardiac Surgeons
  • Percutaneous Closure and Anastomotic Devices  
  • MITIE (5TH Floor)  
  See pages 4-5 for additional information.
Thursday Evening • Houston Livestock Show and Rodeo (bus routes begin at 6 p.m. Visit events.houstonmethodist.org/rerevolution)

SATURDAY, MARCH 5 • Houston We Have a Problem! Complications and Solutions
Moderators: Nirav C. Patel, MD, and Joseph Basha, CCP
8 a.m. - Noon • A moderated, interactive discussion between faculty and audience on the following topics:
  • CABG – MICS/Robotic
  • MVR – MICS/Robotic
  • TEVAR
  • TAVR
  • Perfusion-related*
  • AVR

*Heart-lung machine simulator will be present for the demonstration of various perfusion complications.
There will be a 30 minute break from 10-10:30 a.m. Summit adjours at noon.
7TH ANNUAL

RE-EVOLUTION SUMMIT

PROGRAM DIRECTOR

Mahesh Ramchandani, MD, FRCS, FACS
Chief, Division of Cardiac Surgery
Houston Methodist

INVITED FACULTY

Husam H. Balkhy, MD
Associate Professor of Surgery
Director, Minimally Invasive and Robotic Cardiac Surgery
The University of Chicago Medicine & Biological Sciences
Chicago, Ill.

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Houston Extracorporeal Therapies
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Staten Island, N.Y.

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Assistant Professor
Minimally Invasive Valve Surgery
Department of Cardiothoracic and Vascular Surgery
UT Health,
The University of Texas Health Science Center at Houston

Nirav C. Patel, MD
Associate Chairman and Director,
Robotic Cardiac Surgery
Lenox Hill Hospital
New York, N.Y.

Eric R. Skipper, MD
Cardiovascular Surgery
Sanger Heart & Vascular Institute – Charlotte
Charlotte, N.C.

Francis P. Sutter, DO, FACS
Congenital Cardiac Surgery
Lankenau Medical Center
Wynnewood, Pa.

(PROGRAM CO-DIRECTORS

Gregory P. Fontana, MD, FACS, FACC
President, International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS)
Thoracic and Cardiovascular Surgery
St. John’s Health Center
Santa Monica, Ca.

Michael J. Reardon, MD
Allison Family Distinguished Chair of Cardiovascular Research
Professor of Cardiovascular Surgery
Houston Methodist
Weill Cornell Medical College

(All faculty on this page are located in Houston, Texas, unless otherwise noted.)
HANDS-ON WORKSHOPS
FOR THE PHYSICIAN

Hosted by the DeBakey Institute for Cardiovascular Education & Training (DICET)

LEARN FROM THE EXPERTS

Faculty-guided rotations include performing procedures on cadavers, sophisticated beating heart platforms, and advanced simulators. Attendees will have the opportunity to rotate through the following stations:

THURSDAY, MARCH 3
HANDS-ON TEVAR WORKSHOP AND MICS CABG

SIZING AND DEVICE SELECTION

DEVICE IMPLEMENTATION: TOWER AND SIMULATION

ADVANCED IMAGING IN THE HYBRID OR

MICS CABG: Sternal sparing techniques for LIMA harvest, aortic proximal anastomosis and multivessel bypass

OFF-PUMP SIMULATOR /ANASTOMOTIC DEVICES: Practice on simulators and deploy anastomotic devices

MICS CANNULATION AND INSTRUMENTS: Learn MICS cannulation strategies and techniques

ROBOTIC CABG: Robotic LIMA takedown, “micro” CABG techniques, TECAB with anastomotic devices

FRIDAY, MARCH 4
VALVE WORKSHOP

MITRAL VALVE: Learn MICS mitral exposure and MICS mitral repair

ROBOTIC MITRAL REPAIR: Perform robotic valve repair on heart-lung blocks

AORTIC VALVE: Learn minithoracotomy and ministernotomy techniques for AVR and ascending aortic surgery

TRANSCATHETER AVR: Step-by-step video case demonstration, practice catheter and wire skills on simulators, implant percutaneous valves on simulators, and perform direct aortic access/transapical techniques

ECHOCARDIOGRAPHY FOR CARDIAC SURGEONS: TEE simulators
THURSDAY, MARCH 3 • DIDACTIC LECTURES
- MICS cannulation strategies
- Cardioplegia in MICS
- Post cardiotomy heart failure support with Impella
- Lunch Lecture – Telementoring

FRIDAY, MARCH 4 • DIDACTIC LECTURES
- ECMO and VAD survival data
- Perfusion opportunities in an expanding mechanical support arena
- How does an administrator view VAD and ECMO therapy?
- Lunch Lecture – Keynote, President of ISMICS

SATURDAY, MARCH 5 • DIDACTIC LECTURE
Joint session with Re-Evolution – Complications (refer to Re-Evolution agenda on page 2 for details)

HANDS-ON WORKSHOPS
MARCH 3: • AngioVac • ECMO
MARCH 4: • Heart-lung machine

**The Perfusion Track is certified for 23.8 CEUs by the American Board of Cardiovascular Perfusion.**

Houston Methodist Institute for Technology, Innovation & Education (MITIE℠)

MITIE is an innovative virtual hospital and hands-on clinical training facility for health care professionals seeking to maintain excellent procedural skills and acquire new proficiencies.

All of the Re-Evolution hands-on workshops and perfusion simulation sessions will take place in this state-of-the-art facility.

THURSDAY, MARCH 3
Evening entertainment will be provided, free to attendees. Details forthcoming. Check the website for updates.
CONTINUING MEDICAL EDUCATION

PROGRAM OVERVIEW
Cardiac surgery is undergoing a significant paradigm shift toward increasing minimal access surgery within all subspecialty areas of practice. These include interventions for cardiac valve repair, coronary revascularization, ablation of atrial fibrillation, aortic pathology and heart failure. Training in these minimally invasive techniques is important to better serve patients, improve outcomes and maintain a competitive advantage. The goal of this summit is to provide up-to-date evidence-based didactic lectures along with expert-instructed hands-on exposure to the latest in all aspects of minimal access cardiac surgery with an emphasis on hybrid approaches.

TARGET AUDIENCE
Cardiovascular surgeons, interventional cardiologists, fellows, residents, physician assistants, nurse practitioners, nurses and hospital administrators in the cardiovascular specialties.

EDUCATIONAL OBJECTIVES
• Distinguish between open cardiac surgical techniques and minimal access cardiac surgical techniques
• Apply some of the latest techniques for cardiac valve repair, coronary revascularization
• Describe the most up-to-date evidence-based information of minimal access cardiac surgery with an emphasis on hybrid approaches

ACCREDITATION AND CREDIT DESIGNATION STATEMENTS

Physicians
Houston Methodist is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Houston Methodist designates this live activity for a maximum of 18.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses
Houston Methodist is an approved provider of continuing nursing education by the Texas Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Houston Methodist provides up to 18.5 contact hours for this activity. Participants must attend selected sessions in their entirety and complete the corresponding items on the evaluation tool.

EDUCATIONAL METHODS
Didactic lectures, live cases, heart specimen demonstrations, case studies, small group tutorials with imaging stations, panel discussions, audience response system.

EVALUATION
Evaluation by questionnaire will address program content, presentation, possible bias and intent to change current practice.

ADA STATEMENT
In compliance with the Americans with Disabilities Act, Houston Methodist will make reasonable efforts to accommodate persons with disabilities at this symposium. Please call 713.441.4971 for further information, or if you need special assistance.

CANCELLATION/REFUND POLICY
Requests for registration refunds must be in writing and received by the OCMC at least 10 business days before the course begins. The date the request is received by the OCMC will be considered the cancellation date. Requests received after the refund deadline will not be processed. Cancellations are subject to a $50 administrative fee deducted from the registration fee paid to cover guarantees and other expenses. Requests should be mailed to the OCMC or faxed to 713.441.0589.

The OCMC reserves the right to cancel activities, not less than 10 business days before the scheduled date, if extenuating circumstances make it necessary. Registrants will be notified at the contact number indicated on the registration form followed by written notification. If an activity is cancelled, OCMC's liability is limited to the registration fee paid. Note: If payment is made by check, a social security number is required to process the refund.

DISCLOSURE
This CME activity is designed for use by health care professionals for educational purposes only. Information and opinions offered by the contributors represent their viewpoints. Conclusions drawn by the participant should be derived from careful consideration of all available scientific information. Prescription information and use of medical devices should be undertaken only after confirmation of information by consulting the FDA-approved uses and information. Houston Methodist makes every effort to have accurate information presented; no warranty, expressed or implied, is offered. The participant should use his/her clinical judgment, knowledge, experience and diagnostic decision-making before applying any information, whether provided here or by others, for any professional use.

SUMMIT LOCATION
Houston Methodist Research Institute
6670 Bertner Ave. • Houston, TX 77030

SUMMIT ATTIRE
Western attire or business casual dress is encouraged.

FOR FURTHER INFORMATION
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Visit our website at houstonmethodist.org/cme for information about other Houston Methodist CME activities.