MAY 13-15, 2015

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

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

re-evolutionsummit.org

New for 2015

PERFUSION TRACK

see pg. 5

Physician’s Assistant Track
see pg. 5

In collaboration with
The New Orleans Conference
In cosponsorship with
Endorsed by
WEDNESDAY, MAY 13
11:00 a.m.  Registration and Lunch
11:45    Conference Welcome
          Mahesh Ramchandani, MD
11:50    Welcome and Overviews
          Drs. Alan B. Lumsden and Jean Bismuth

SESSION I: TEVAR
Moderator: Alan B. Lumsden, MD
Noon    Interventional Imaging
        Alan B. Lumsden, MD
12:30   Endografts for Dissection
        Eric K. Peden, MD
1:00    Follow-up and Repeat Interventions
        Carlos Bechara, MD
1:30    The Ascending Aorta
        Jean Bismuth, MD
2:00    Break and Exhibits, transition to MITIE (5th Fl.)

SESSION II: HANDS-ON TEVAR WORKSHOP AND IMAGING
(Refer to pages 4-5 for additional information)
2:30    Hands-On TEVAR Workshop and Imaging
5:30    Adjournment
7:00    Evening Entertainment (The Armadillo Palace)

THURSDAY, MAY 14
7:00 a.m.  Registration and Breakfast
7:45    Welcome and Remarks
        Mahesh Ramchandani, MD

SESSION I: MICS CABG
Moderator: Basel Ramlawi, MD
8:00    MICS CABG 1
        Joseph T. McGinn, MD
8:30    MICS CABG 2: Results
        Marc Ruel, MD
9:00    Anesthesia in MICS
        Benjamin Sohmer, MD
9:30    Devices and Techniques
        Nirav C. Patel, MD
10:00   Break and Exhibits

SESSION II: ROBOTIC CABG
Moderator: Nirav C. Patel, MD
10:15   Robotic CABG
        Francis P. Sutter, DO
10:45   TECAB
        Husam H. Balkhy, MD

SESSION II: ROBOTIC CABG (continued)
11:15    Hybrid
          Michael E. Halkos, MD
11:45    Question and Answer (all faculty)
12:15 p.m.  LUNCH LECTURE
            Volkmar Falk, MD

SESSION III: HANDS-ON WORKSHOPS
(Refer to pages 4-5 for additional information)
1:30    HANDS-ON VALVE WORKSHOP for the Physician
2:30    HANDS-ON WORKSHOP for the Physician Assistant
5:30    Adjournment

FRIDAY, MAY 15
SESSION I: MITRAL VALVE
Moderator: Daniel Bethencourt, MD
8:00 a.m.  Perfusion and Cannulation
          Strategies in MICS
          Donald D. Glower, MD
8:30    MICS MVR
          William H. Ryan, MD
9:00    Robotic MVR
          Douglas Murphy, MD
9:30    Question and Answer (all faculty)
10:00   Break and Exhibits

SESSION II: AORTIC VALVE
Moderator: Mahesh Ramchandani, MD
10:15    Ministernotomy
          Douglas Johnston, MD
10:45    Minithoracotomy
          Joseph Lamelas, MD
11:15    Next Generation Valves
          Mattia Glauber, MD
11:45    TAVR
          Basel Ramlawi, MD
12:15 p.m.  LUNCH LECTURE: Michael E. DeBakey
            History Lecture – Charlie Reed, CCP
            Michael C. Trotter, MD, FACS

SESSION III: HANDS-ON WORKSHOPS
(Refer to pages 4-5 for additional information)
1:30    HANDS-ON VALVE WORKSHOP for the Physician
2:30    HANDS-ON WORKSHOP for the Physician Assistant
5:30    Adjournment
6TH ANNUAL
RE-EVOLUTION
SUMMIT

PROGRAM DIRECTOR

**Mahesh K. Ramchandani, MD, FRCS, FACS**
Director, Minimally Invasive Cardiac Surgery
Vice Chair, Cardiovascular Surgery
Houston Methodist Hospital System

PROGRAM CO-DIRECTORS

**Jean Bismuth, MD, FACS**
Vascular Surgery
Assistant Professor of Surgery, Division of Vascular Surgery, Houston Methodist DeBakey Heart & Vascular Center

**Alan B. Lumsden, MD, ChB, RVT, FACC**
Medical Director, Houston Methodist DeBakey Heart & Vascular Center
Professor and Chairman, Department of Cardiovascular Surgery
Professor of Cardiovascular Surgery in Cardiothoracic Surgery, Weill Cornell Medical College

**Basel Ramlawi, MD, MMSc, FACC, FACS**
Co-Director, Methodist Aortic Network
Cardiothoracic Surgery and Transplantation
Houston Methodist DeBakey Heart & Vascular Center

INVITED FACULTY

- **Husam H. Balkhy, MD**
Associate Professor of Surgery, The University of Chicago Medicine & Biological Sciences, Chicago, Ill.

- **Daniel M. Bethencourt, MD**
Cardiac & Thoracic Surgery
Bethencourt Group
Long Beach, Calif.

- **Carlos Bechara, MD**
Vascular Surgery
Houston Methodist DeBakey Heart & Vascular Center

- **Volkmar Falk, MD**
Medical Director and Chairman, Deutsches Herzzentrum Berlin
Berlin, Germany

- **Zsolt Garami, MD**
Instructor, Houston Methodist Research Institute
Director, TCD Center
Houston Methodist DeBakey Heart & Vascular Center

- **Mattia Glauber, MD**
Director of Cardiac Surgery and Great Vessels Dept.
Istituto Clinico Sant’Ambrogio Milano, Italy

- **Donald D. Glower, MD**
Professor of Surgery
Duke Medicine
Durham, N.C.

- **Michael E. Halkos, MD, MSc**
Associate Professor of Surgery
Emory University School of Medicine, Atlanta, Ga.

- **Douglas Johnston, MD**
Thoracic Cardiovascular Surgery
Cleveland Clinic
Cleveland, Ohio

- **Joseph Lamelas, MD**
Chief, Thoracic & Cardiovascular Surgery
Mount Sinai Medical Center
Miami Beach, Fla.

- **Joseph T. McGinn Jr., MD, FACC, FACS**
Medical Director, Heart Institute
Staten Island University Hospital Staten Island, N.Y.

- **Douglas Murphy, MD**
Cardiothoracic Surgery
Emory Saint Joseph’s Hospital
Atlanta, Ga.

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

- **Eric K. Peden, MD**
Chief, Vascular Surgery
Houston Methodist DeBakey Heart & Vascular Center

- **Marc Ruel, MD, MPH, FRCSC, FAHA**
Professor and Chairman, Division of Cardiac Surgery, University of Ottawa Heart Institute Ottawa, Canada

- **William H. Ryan, MD**
Cardiac Surgeon
Cardiac Surgery Specialists
Plano, Texas

- **Benjamin Sohmer MD, MEd, FRCPC**
Assistant Professor, Department of Anesthesiology, University of Ottawa Heart Institute Ottawa, Canada

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

- **Michael C. Trotter, MD, FACS**
Cardiothoracic Surgeon
Delta Regional Medical Center
Greenville, Miss.

(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
Every afternoon, you will rotate through the stations listed below. Each participant will perform procedures under the guidance of an expert faculty member. As a participant, you will perform the procedures on cadavers, sophisticated beating heart platforms and advanced simulators.

WEDNESDAY, MAY 13, 2015
HANDS-ON TEVAR WORKSHOP AND IMAGING
SIZING AND DEVICE SELECTION: VALVES OF IVUS
DEVICE IMPLEMENTATION: TOWER AND SIMULATION
ADVANCED IMAGING

THURSDAY, MAY 14, 2015
MICS CABG
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, MAY 15, 2015
VALVE WORKSHOP
MITRAL VALVE: Learn MICS mitral exposure and MICS mitral repair
ROBOTIC MITRAL REPAIR: Practice robotic skills on a simulator and perform robotic valve repair
AORTIC VALVE: Learn MICS aortic exposure and MICS aortic valve replacement (AVR)
MINITHORACOTOMY & MINISTERNOTOMY TECHNIQUES: Learn varied techniques for aortic and mitral valve repair
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

*Hands-on Workshops (Physician and Physician Assistant) are not certified for CME credit.
LEARN FROM THE EXPERTS

Physician assistants play an integral role in the successful conduct of many minimally invasive cardiac surgery (MICS) procedures. Specialized stations led by experienced physician assistant faculty will be provided for those who would like to gain additional exposure to techniques and procedures that are essential to launching a successful MICS program. Procedures to be conducted by physician assistants will be performed on cadavers and specialized simulators.

NEW FOR 2015: PERFUSSION TRACK**

Concurrent with the Re-Evolution Summit. For a detailed agenda, visit houstonmethodist.org/perfusion-track.

LEARN FROM THE EXPERTS

Simulation and didactic-based perfusion learning.

**This activity is certified for 19.6 CEUs by the American Board of Cardiovascular Perfusion.
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 conference 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 12.0 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 12.0 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 OCME at least 10 business days before the course begins. The date the request is received by the OCME 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 OCME or faxed to 713.441.0589.

The OCME reserves the right to cancel activities, fewer 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 canceled, OCME’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.

FOR FURTHER INFORMATION
Office of Continuing Medical Education
6565 Fannin St., MGJ 9-004 • Houston, TX 77030
Email: cme@houstonmethodist.org
Phone: 713.441.4971 • Fax: 713.441.0589
Visit our website at houstonmethodist.org/cme for information about other Houston Methodist CME activities.
FOUR WAYS TO REGISTER

Online: re-evolutionsummit.org
Phone: 713.441.4971  Fax: 713.441.0589
Mail: Houston Methodist (OCME)
Attn: ReEvolution Summit (#267)
6565 Fannin St., MGJ9-004
Houston, TX 77030

CONFERENCE LOCATION:
Houston Methodist Research Institute
6670 Bertner Ave., Houston, TX 77030

CONFERENCE ATTIRE: Western attire or business casual dress is encouraged.

ACCOUNTS & RESERVATIONS

A limited block of rooms has been reserved at a special discounted rate (see below for each hotel.) Please identify yourself as a participant of the Re-Evolution Summit while making your reservations.

HOTEL ZAZA ■ hotelzaza.com
5701 Main St., Houston, TX 77005  |  713.526.1991
$239/night (single/double) until April 14, 2015.

MARRIOTT TEXAS MEDICAL CENTER ■ marriott.com
6580 Fannin St., Houston, TX 77005  |  713.796.0080
$189/night (single/double) until April 3, 2015.

❑ I will attend the dinner at The Armadillo Palace on Wednesday, May 13.

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<th>PHYSICIAN</th>
<th>STS/ISMICS MEMBER</th>
<th>NON-MEMBER</th>
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<tr>
<td>Didactics</td>
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<td>$375</td>
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<td>Hands-on Physician Workshops</td>
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<tr>
<td>EARLY BIRD! (before April 12)</td>
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<td>Regular Rate (after April 12)</td>
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<tr>
<td>Student*</td>
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*Student registration fees require verification. Please email your student ID or alternate verification to cme@houstonmethodist.org to finalize your registration.

(Please print clearly)

Last Name: ___________________________ First Name: ___________________________ Credentials: ___________________________
Organization: ___________________________
Specialty: ___________________________
Title/Position: ___________________________
Address: ___________________________
City: ___________________________ State: _______ ZIP: _______
Office Phone: ___________________________ Office Fax: ___________________________
Email: ___________________________ STS or ISMICS Member Number: ___________________________

❑ Check or Money Order (made payable in U.S. funds to The Methodist Hospital)
❑ Credit Card: I authorize The Methodist Hospital to charge my: ❑ Visa* ❑ MasterCard* ❑ AMEX*

Credit Card No. ___________________________ Exp. Date: ___________________________
Name on the Card: ___________________________
Authorized Signature: ___________________________
❑ Special/Dietary needs (specify): ___________________________
A very topical and up-to-date course covering the principles and practice of all aspects of minimally invasive cardiac surgery. The ‘hands-on’ demonstrations in the wet lab were amongst the most impressive that I have ever personally experienced.

David Taggart, MD, PhD, FRCS
Professor of Cardiovascular Surgery, University of Oxford