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.

**Schedule:**
**Thursday, April 2**

**Session One: Complications and how to resolve**
7:30 AM - 8:00 AM Registration and Breakfast
8:00 AM - 8:05 AM Welcome and Introduction
8:05 AM - 8:15 AM ISMICS
8:15 AM - 8:35 AM Mitral Clip
8:35 AM - 8:55 AM Evolving Therapies for Mitral & Tricuspid
8:55 AM - 9:15 AM Transcepal Puncture
9:15 AM - 9:35 AM Transcepal Puncture
9:35 AM - 9:45 AM Break
9:45 AM - 10:05 AM MV Repair Simulation
10:25 AM - 10:45 AM AFIB
10:45 AM - 11:05 AM Ablation Technologies
11:05 - 11:15 Q&A
11:15 AM - 12:15 PM Lunch & Exhibits
12:15 PM - 12:30 PM Transition to MITIE

**Session Two: Hands-On Workshop**

12:30 PM - 5:00 PM
• Robotic Mitral
• Mini Mitral - Hoff
• High Fidelity Mitral Simulator
• MV repair simulation
• Safadi stitch model
• Transeptal Puncture/TEE and ICE
• Valve in MAC

Evolving Therapies for Mitral & Tricuspid

• Mini Maze - Wolff
• Mini Cryo Maze
• Cox Maze 4
• Robotic Maze
• Ablation Technologies

5:00 PM Panel Discussion
5:30 PM Adjourn for Day
7:00 PM - 9:00 PM Evening Reception - poster presentation

Friday, April 3

Session Three: Complications and how to resolve

7:30 AM - 8:00 AM Registration and Breakfast
8:00 AM - 8:15 AM Welcome and Introduction
8:15 AM - 8:35 AM CABG
8:35 AM - 8:55 AM OPCAB
8:55 AM - 9:15 AM MICS AVR
9:15 AM - 9:35 AM SAVR
9:35 AM - 9:45 AM Break
9:45 AM - 10:30 AM Case Discussion
10:30 AM - 11:15 AM Case Discussion
11:15 AM - 12:15 PM Lunch & The state of minimally invasive surgery in China
12:15 PM - 12:30 PM Transition to MITIE

Session Four. Hands-On Workshop

12:30 PM - 5:00 PM

• MICS CAB
• Robotic CAB
• LIMA LAD and TECAB
• OPCAB (platforms)
• Heart String
• Anastomosus Kits and Devices

Rotation: SAVR/TAVR

• MICS AVR
• MS SAVR
• RAT SAVR (Sutured)
• RAT SAVR (Sutureless)
• TAVR - De Novo and VinV

5:00 PM Change out of scrubs
5:00 PM - 5:30 PM Panel Discussion
5:30 PM Adjournment

Lodging:
The Westin Houston Medical Center
1709 Dryden Rd, Houston, TX 77030
www.marriott.com

Course Directors:
Mahesh Ramchandani, MD

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Joseph McGinn, MD
Steven Hoff, MD
Sloane Guy, MD
Husam Balkhy, MD

Meeting City and State: Houston, TX
Meeting Location: Houston Methodist Research Institute and MITIE, 6670 Bertner Ave., R2 and R5 Houston, TX 77030