Symposium on Robotic Cardiac Surgery:
Mitral Valve Repair, Coronary Bypass & More

March 23-24, 2018
Chicago, IL

Program Directors
T. Sloane Guy, New York, NY
Joseph A. Dearani, Rochester, MN
Husam H. Balkhy, Chicago, IL

Friday:
7:00 a.m. – 7:30 a.m. Registration & Breakfast

Session 1: Building a Foundation for Robotic Cardiac Surgery

7:30 a.m. – 7:35 a.m. Symposium Goals, Welcome and Introductions
7:35 a.m. – 7:50 a.m. Current Clinical & Economic Evidence for Robotic Cardiac Surgery
A. Marc Gillinov, Cleveland OH
7:50 a.m. – 8:05 a.m. Prerequisites for Successful Launch of a Robotic Cardiac Surgery Program
Evelio Rodriguez, Nashville, TN
8:05 a.m. – 8:20 a.m. What Does a Fully Committed Robotic Cardiac Surgery Program Look Like and What Procedures Can be Performed?
Husam H. Balkhy, Chicago, IL
8:20 a.m. – 8:35 a.m. Detailed Steps for Building a Robotic Cardiac Surgery Program
T. Sloane Guy, New York, NY
8:35 a.m. – 8:50 a.m. Individual & Team Training in Robotic Surgery: What are the options?
Douglas A. Murphy, Atlanta, GA
8:50 a.m. – 9:00 a.m. Panel Discussion

9:00 a.m. – 9:20 a.m. BREAK

Session 2: Robotic Mitral Valve Procedural Details
Session Moderators: Evelio Rodriguez, Nashville, TN and Vinay Badhwar, Morgantown, WV

9:20 a.m. – 9:35 a.m. Patient Selection for Robotic Mitral Valve Surgery
A. Marc Gillinov, Cleveland OH

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9:35 a.m. – 9:50 a.m.  Circulatory Management Strategy: Transthoracic Clamp Technique
Joseph A. Dearani, Rochester, MN

9:50 a.m. – 10:05 a.m.  Circulatory Management Strategy: Endoballoon
Douglas A. Murphy, Atlanta, GA

10:05 a.m. – 10:20 a.m.  Totally Endoscopic Robotic Mitral Valve Repair, Step by Step
T. Sloane Guy, New York, NY

10:20 a.m. – 10:35 a.m.  Mini Thoracotomy Robotic Mitral Valve Repair, Step by Step
Simon Maltais, Rochester, MN

10:35 a.m. – 10:55 a.m.  Panel Discussion

10:55 a.m. – 11:15 a.m.  BREAK

11:15 a.m. – 12:55 p.m.  Breakout 1 and 2 / Procedure Demonstrations
(Group broken up into 4 groups / one rotation / 45 minute)

Station 1:  Live Simulation/Demonstration
Robotic Mitral Valve Repair
Douglas A. Murphy, Atlanta, GA

Station 2:  Live Simulation/Demonstration
Robotic Assisted TECAB
Husam H. Balkhy, Chicago, IL

Station 3:  Live Simulation/Demonstration
Robotic Assisted MIDCAB
Francis P. Sutter, Wynnewood, PA

Station 4:  Hands-on Robotic Surgery Simulator Exercise
Live Simulation/Demonstration: Advanced Circulatory Management
T. Sloane Guy, New York, NY

1:00 p.m. – 2:15 p.m.  Lunch with Keynote Speaker (45 minute talk)
Delos M. Cosgrove MD, Cleveland Clinic
“Why Hospital Systems Should Embrace Robotic Cardiac Surgery”

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Session 3: Robotic Coronary Artery Bypass Basic Principles
Session Moderators: Daniel M. Bethencourt, Long Beach, CA, Francis P. Sutter, Wynnewood, PA

2:15 p.m. – 2:30 p.m. Robotic Coronary Surgery: Anesthesia considerations, patient positioning, and port placement
Richard C. Daly, Rochester, MN

2:30 p.m. – 2:45 p.m. Robotic MIDCAB: How I do it and lessons over a 15 year experience
Daniel M. Bethencourt, Long Beach, CA

2:45 p.m. – 3:00 p.m. Robotic MIDCAB: The ‘Micro’ Thoracotomy Approach
Francis P. Sutter, Wynnewood, PA

3:00 p.m. – 3:15 p.m. Robotic MIDCAB: Making the Transition from an OPCAB Mindset
John D. Puskas, New York, NY

3:15 p.m. – 3:30 p.m. Robotic MIDCAB: Post-op considerations, Fast Track, Pain Management
Nirav C. Patel, New York, NY

3:30 p.m. – 3:50 p.m. Panel Discussion

3:50 p.m. – 4:10 p.m. BREAK

Session 4: Mitral Valve Repair Techniques and Avoiding Complications
Session Moderators: Douglas A. Murphy, Atlanta, GA, T. Sloane Guy, New York, NY

4:10 p.m. – 4:25 p.m. Robotic Mitral Valve Repair, Resectional Techniques
Joseph A. Dearani, Rochester, MN

4:25 p.m. – 4:40 p.m. Robotic Mitral Valve Repair, Non-Resectional Techniques
T. Sloane Guy, New York, NY

4:40 p.m. – 4:55 p.m. Robotic Mitral Valve Replacement
Branden R. Reynolds, Spokane, WA

4:55 p.m. – 5:10 p.m. Video Session: Complex Robotic Mitral Valve Repairs
Vinay Badhwar, Morgantown, WV

5:10 p.m. – 5:25 p.m. Avoiding Complications in Robotic Mitral Valve Repair
A. Marc Gillinov, Cleveland OH

5:25 p.m. – 5:40 p.m. When, Why, and How to Convert from Robotics to Open Surgery
Simon Maltais, Rochester, MN

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11:00 a.m. – 12:40 p.m.  Breakout 3 and 4 / Procedure Demonstrations
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Francis P. Sutter, Wynnewood, PA

Station 4:  Hands-on Robotic Surgery Simulator Exercise
Live Simulation/Demonstration: Advanced Circulatory Management
T. Sloane Guy, New York, NY

12:40 p.m. – 1:30 p.m.  LUNCH

Session 7: Robotic Coronary Artery Bypass: Avoiding Problems
Session Moderators:  Richard C. Daly, Rochester, MN, and Nirav C. Patel, New York, NY

1:30 p.m. – 1:45 p.m.  Robotic Coronary Surgery: Avoiding Pitfalls during Port placement/ Mini Thoracotomy
Francis P. Sutter, Wynnewood, PA

1:45 p.m. – 2:00 p.m.  Robotic Coronary Surgery: Avoiding IMA Injury and Finding the Correct Target
Louis Labrousse, Bordeaux, France

2:00 p.m. – 2:15 p.m.  Robotic Coronary Surgery: Intra-operative Graft Patency assessment: Is Routine angiography necessary?
Daniel M. Bethencourt, Long Beach, CA

2:15 p.m. – 2:30 p.m.  Robotic Coronary Surgery: When and How to Convert to Open Surgery
Nirav C. Patel, New York, NY

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2:30 p.m. - 2:45 p.m.  Robotic Coronary Surgery: Avoiding Post-operative Complications, Bleeding; Pericarditis
  Richard C. Daly, Rochester, MN

2:45 p.m. – 3:05 p.m.  Panel Discussion

3:05 p.m. – 3:25 p.m.  BREAK

Session 8: Advanced Robotic Coronary Artery Bypass Concepts
Session Moderators: John D. Puskas, New York, NY, and Husam H. Balkhy, Chicago, IL

3:25 p.m. – 3:40 p.m.  Advanced Techniques: Y grafts, Sequential, Multivessel TECAB
  Johannes Bonatti, Abu Dhabi

3:40 p.m. – 3:55 p.m.  The Case for Hybrid Coronary Revascularization
  Nirav C. Patel, New York, NY

3:55 p.m. – 4:10 p.m.  Examples of Hybrid cases; Advanced (Complex) Hybrids
  Francis P. Sutter, Wynnewood, PA

4:10 p.m. – 4:25 p.m.  Elements of a successful Hybrid Program and The NIH trial
  John D. Puskas, New York, NY

4:25 p.m. – 4:45 p.m.  Panel Discussion

4:45 p.m. – 5:00 p.m.  Final Comments and Adjournment

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