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

March 23-24, 2018
Chicago, IL

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

Day 1
Friday, March 23, 2018 (7:00 a.m. – 6:00 p.m.)

7:00 a.m. – 7:30 a.m.  REGISTRATION / BREAKFAST

7:30 a.m. – 9:00 a.m.  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 and 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 and 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

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

5:40 p.m. – 6:00 p.m.  Panel Discussion

Day 2  
Saturday, March 24, 2018 (7:00 a.m. – 5:00 p.m.)

7:00 a.m. – 7:30 a.m.  REGISTRATION / BREAKFAST

7:30 a.m. – 9:05 a.m.  Session 5: TECAB  
Moderators: Husam H. Balkhy, Chicago, IL, and Johannes Bonatti, Abu Dhabi

7:30 a.m. – 7:45 a.m.  The Case for TECAB: Value of Robotic TECAB versus Robotic MIDCAB  
Johannes Bonatti, Abu Dhabi

7:45 a.m. – 8:00 a.m.  Robotic TECAB: Port Placement, Taking Down the RIMA  
Husam H. Balkhy, Chicago, IL

8:00 a.m. – 8:15 a.m.  Robotic Beating Heart TECAB: Stabilizer, Hand-Sewn Anastomosis  
Louis Labrousse, Bordeaux, France

8:15 a.m. – 8:30 a.m.  Robotic TECAB: The Arrested Heart Approach  
Johannes Bonatti, Abu Dhabi

8:30 a.m. – 8:45 a.m.  Robotic TECAB: Using the Coronary Anastomotic Connector  
Husam H. Balkhy, Chicago, IL

8:45 a.m. – 9:05 a.m.  Panel Discussion

9:05 a.m. – 9:25 a.m.  BREAK

9:25 a.m. – 11:00 a.m.  Session 6: Robotic Intracardiac Surgery, More than Just the Mitral!  
Moderators: Douglas A. Murphy, Atlanta, GA, and A. Marc Gillinov, Cleveland OH

9:25 a.m. – 9:40 a.m.  Redo Robotic Mitral Valve Surgery  
Clifton T. Lewis, Birmingham, AL

9:40 a.m. – 9:55 a.m.  Atrial Fibrillation Techniques in Robotics  
Evelio Rodriguez, Nashville, TN

9:55 a.m. – 10:10 a.m.  Tricuspid Valve Repair and Replacement  
Clifton T. Lewis, Birmingham, AL

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10:10 a.m. – 10:25 a.m.  Atrial Septal Defect Closure and Cardiac Tumor Resection
Eye branden R. Reynolds, Spokane, WA

10:25 a.m. – 10:40 a.m.  Postoperative Management
Joseph A. Dearani, Rochester, MN

10:40 a.m. – 11:00 a.m.  Panel Discussion

11:00 a.m. – 12:40 p.m.  Breakout Sessions: Procedure Demonstrations

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

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

Station 3: Live Simulation/Demonstration
Robotic 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

12:40 p.m. – 1:30 p.m.  LUNCH

1:30 p.m. – 3:05 p.m.  Session 7: Robotic Coronary Artery Bypass: Avoiding Problems
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/Minithoracotomy
Francis P. Sutter, Wynnewood, PA

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

2:00 p.m. – 2:15 p.m.  Robotic Coronary Surgery: Intraoperative 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 Postoperative 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

3:25 p.m. – 4:45 p.m.  Session 8: Advanced Robotic Coronary Artery Bypass Concepts
                      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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