Masters in Innovative Structural Heart and Valve Surgery:
A Case-Based and Hands-On Symposium

August 28-29, 2015
Loews Chicago O’Hare Hotel

Course Directors
Vinod H. Thourani, Atlanta, GA
Michael J. Mack, Dallas, TX
Vinay Badhwar, Pittsburgh, PA
Wilson Y. Szeto, Philadelphia, PA

Invited Speakers
Gorav Ailawadi, Charlottesville, VA
Joseph E. Bavaria, Philadelphia, PA
Steven F. Bolling, Ann Arbor, MI
Michael A. Borger, New York, NY
James S. Gammie, Baltimore, MD
Thomas G. Gleason, Pittsburgh, PA
Richard Lee, St. Louis, MO
Patrick M. McCarthy, Chicago, IL
Douglas A. Murphy, Atlanta, GA
Michael J. Reardon, Houston, TX
T. Brett Reece, Aurora, CO
Eric E. Roselli, Cleveland, OH
Rakesh M. Suri, Cleveland, OH
Lars G. Svensson, Cleveland, OH

Day 1
Friday, August 28, 2015

7:00 a.m. – 7:25 a.m.  BREAKFAST

7:25 a.m. – 7:30 a.m.  Welcome, Announcements, and Introductory Remarks
Vinod H. Thourani, Atlanta, GA
Michael J. Mack, Dallas, TX

7:30 a.m. – 9:30 a.m.  Session I: Patient Selection and Preparation: Case Presentation and Discussion

7:30 a.m. – 7:45 a.m.  Review of Self-Expandable TAVR Randomized Trials
Thomas G. Gleason, Pittsburgh, PA

7:45 a.m. – 8:00 a.m.  Review of Balloon-Expandable Randomized Trials
Joseph E. Bavaria, MD, Philadelphia, PA

8:00 a.m. – 8:15 a.m.  Update from the TVT Registry
Vinod H. Thourani, Atlanta, GA

Agenda and speakers are subject to change.
8:15 a.m. – 8:30 a.m.  Which Patients Should Not Undergo TAVR: The Frail or Futile Patient?  
_**Michael J. Mack, Dallas, TX**_

8:30 a.m. – 8:45 a.m.  Surgical AVR: How Do I Decide Between Stentless, Stented, and Sutureless Valves?  
_**Michael A. Borger, New York, NY**_

8:45 a.m. – 9:00 a.m.  Management of Patients with Low-EF, Low-Gradient AS: When Do I Use TAVR or SAVR?  
_**Lars G. Svensson, Cleveland, OH**_

9:00 a.m. – 9:30 a.m.  Panel Discussion

9:30 a.m. – 9:45 a.m.  BREAK

**9:45 a.m. – 12:45 p.m.  Session 2: Case Presentation and Techniques in SAVR and TAVR**

9:45 a.m. – 10:00 a.m.  Minimalist Transfemoral TAVR: Why You Need to Learn This Procedure  
_**Vinod H. Thourani, Atlanta, GA**_

10:00 a.m. – 10:15 a.m.  Transaortic and Transaxillary TAVR  
_**Michael J. Reardon, Houston, TX**_

10:15 a.m. – 10:30 a.m.  Transapical Multivalve and Valve-in-Valve Techniques  
_**Michael A. Borger, New York, NY**_

10:30 a.m. – 10:45 a.m.  Management of Intraoperative Aortic Regurgitation in TAVR  
_**Wilson Y. Szeto, Philadelphia, PA**_

10:45 a.m. – 11:00 a.m.  Panel Discussion

11:00 a.m. – 11:15 a.m.  Why and How I Perform a Valve-Sparing Root Replacement  
_**Thomas G. Gleason, Pittsburgh, PA**_

11:15 a.m. – 11:30 a.m.  Why and How I Perform a Root Enlargement  
_**T. Brett Reece, Aurora, CO**_

11:30 a.m. – 11:45 a.m.  Why and How I Perform an Aortic Valve Repair  
_**Eric E. Roselli, Cleveland, OH**_

11:45 a.m. – 12:00 p.m.  Panel Discussion

12:00 p.m. – 12:45 p.m.  LUNCH Presentation: Neuroprotection During Aortic Valve Surgery  
_**Wilson Y. Szeto, Philadelphia, PA**_

_Agenda and speakers are subject to change._
12:45 p.m. – 3:30 p.m.  **Session 3: Hands-On Session**

**Room 1:** TAVR Procedures—Balloon-Expandable Valve  
**Room 2:** TAVR Procedures—Self-Expandable Valve  
**Room 3:** New Technologies in TAVR  
  a. Directflow Valve  
  b. Lotus Valve  
  c. Portico Valve  
**Room 4:** Root Enlargement and Valve Sparing Root Procedures

3:45 p.m. – 6:00 p.m.  **Session 4: New Valve Technology and Atrial Fibrillation**

3:45 p.m. – 4:00 p.m.  A TAVR Valve for Aortic Insufficiency: The JenaValve  
  *Vinod H. Thourani, Atlanta, GA*

4:00 p.m. – 4:15 p.m.  Current TAVR Technologies in US Trials: Directflow and Lotus Valves  
  *Michael J. Reardon, Houston, TX*

4:15 p.m. – 4:30 p.m.  Management and New LAA Closure Devices for Open and Closed Chest Techniques  
  *Richard Lee, St. Louis, MO*

4:30 p.m. – 4:45 p.m.  When and How to Perform Isolated PVI, Left Atrial Ablation, or Biatrial Ablation  
  *Vinay Badhwar, Pittsburg, PA*

4:45 p.m. – 5:00 p.m.  When and How to Perform a Hybrid Ablation Technique  
  *Gorav Ailawadi, Charlottesville, VA*

5:00 p.m. – 5:15 p.m.  When and How to Use the nContact™ Device for Atrial Fibrillation  
  *TBD*

5:15 p.m. – 5:30 p.m.  When to Perform and Lesion Set for Concomitant Atrial Fibrillation Surgery During Concomitant CABG or SAVR  
  *Patrick M. McCarthy, Chicago, IL*

5:30 p.m. – 6:00 p.m.  Panel Discussion

6:00 p.m. – 7:00 p.m.  Reception and Cocktails

**Day 2**  
**Saturday, August 29, 2015**

7:30 a.m. – 8:00 a.m.  BREAKFAST

8:00 a.m. – 10:15 a.m.  **Session 5: Case Presentation and Techniques for Surgical Mitral Valve Surgery**

8:00 a.m. – 8:15 a.m.  How Do I Manage a Patient with Severe Ischemic Mitral Regurgitation?  
  *James S. Gammie, Baltimore, MD*

8:15 a.m. – 8:30 a.m.  How Do I Manage a Patient with CAD and Moderate Ischemic Mitral Regurgitation?  
  *Steven F. Bolling, Ann Arbor, MI*

*Agenda and speakers are subject to change.*
8:30 a.m. – 8:45 a.m. When and How to Repair a Stenotic MV
Vinay Badhwar, Pittsburg, PA

8:45 a.m. – 9:00 a.m. When and How to Perform a Minimally Invasive MV Surgery
Michael A. Borger, New York, NY

9:00 a.m. – 9:15 a.m. Techniques for Repair of Barlow’s Valve
Rakesh M. Suri, Cleveland, OH

9:15 a.m. – 9:30 a.m. Robotic MV Repair: A New Paradigm for an Old Problem
Douglas A. Murphy, Atlanta, GA

9:30 a.m. – 9:45 a.m. Optimal Patients for Use of the MitraClip Device
Gorav Ailawadi, Charlottesville, VA

9:45 a.m. – 10:00 a.m. Current Literature for the MitraClip Technique for Functional MR
Michael J. Mack, Dallas, TX

10:00 a.m. – 10:15 a.m. Panel Discussion

10:15 a.m. – 10:30 a.m. BREAK

10:30 a.m. – 12:45 p.m. Session 6: Hands-On Session

Room 1: Mitral Valve Repair using MitraClip
Room 2: Mitral Valve Repair using Chords and Techniques for Atrial Fibrillation
  a. MV Repair Using Chords
  b. Afib System After MV Repair
Room 3: Transcatheter Mitral Valve Repair and Replacement Technologies
  a. Transcatheter MV Repair
  b. Transcatheter MV Replacement

1:00 p.m. – 1:45 p.m. LUNCH Presentation: When Does a Surgeon Choose Between MitraClip and Open MV Surgery?
Michael J. Mack, Dallas, TX

1:45 p.m. – 3:45 p.m. Session 7: TMVR and Tricuspid Surgery

1:45 p.m. – 2:00 p.m. Transcatheter MV Repair Techniques
Steven F. Bolling, Ann Arbor, MI

2:00 p.m. – 2:15 p.m. Transcatheter MV Replacement Techniques
Vinod H. Thourani, Atlanta, GA

2:15 p.m. – 2:30 p.m. Tricuspid Valve Repair Techniques
Patrick M. McCarthy, Chicago, IL

2:30 p.m. – 2:45 p.m. When to Repair the Tricuspid Valve During Concomitant MV Surgery and Tricks to Prevent Heart Block
James S. Gammie, Baltimore, MD

Agenda and speakers are subject to change.
2:45 p.m. – 3:00 p.m.  Transcatheter Techniques for Tricuspid Valve Repair or Replacement
   *Rakesh M. Suri, Cleveland, OH*

3:00 p.m. – 3:45 p.m.  Panel Discussion

3:45 p.m.  Closing Remarks and Adjournment

*Agenda and speakers are subject to change.*