



**Mastery in Mitral and Tricuspid Valve Therapies:
Techniques in Traditional, Minimally Invasive, and Innovative Therapies**

**August 23-24, 2019
Sofitel Chicago Magnificent Mile Hotel
Chicago, Illinois**

Course Directors

Vinod H. Thourani, MD, Washington, DC
Gorav Ailawadi, MD, Charlottesville, VA
Michael J. Mack, MD, Dallas, TX
Wilson Y. Szeto, MD, Philadelphia, PA
Paul Sorajja, MD, Minneapolis, MN

Day 1

Friday, August 23, 2019

7:00 A.M. – 7:30 A.M.

REGISTRATION / BREAKFAST

7:30 a.m. – 7:35 a.m.

Welcome, Announcements, and Introductory Remarks
Vinod H. Thourani, MD, Washington, DC and Gorav Ailawadi, MD, Charlottesville, VA

Session I: Transcatheter Mitral Valve Replacement

Moderators: *Paul Sorajja, MD, Minneapolis, MN and Vinod H. Thourani, MD*

7:35 a.m. – 7:45 a.m.

Insights from the STS/ACC Transcatheter Valve Therapies Registry
Joseph E. Bavaria, MD, Philadelphia, PA

7:45 a.m. – 7:55 a.m.

TMVR: The Tendyne System
Gorav Ailawadi, MD, Charlottesville, VA

7:55 a.m. – 8:05 a.m.

TMVR: The Intrepid System
Vinayak Bapat, MD, New York, NY

8:05 a.m. – 8:15 a.m.

TMVR: The Evoque and SAPIEN M3 system
Wilson Y. Szeto, MD, Philadelphia, PA

8:15 a.m. – 8:25 a.m.

Upcoming New Technology for TMVR
Samir R. Kapadia, MD, Cleveland, OH

8:25 a.m. – 8:35 a.m.

How to Start and Maintain a Successful Transcatheter Mitral Valve Center
Paul Sorajja, MD, Minneapolis, MN

8:35 a.m. – 9:00 a.m.

Panel Discussion

9:00 a.m. – 9:25 a.m.

BREAK

Session 2: Techniques in Minimally Invasive Mitral Valve Surgery

Moderators: *Vinay Badhwar, MD, Morgantown, WV and Gorav Ailawadi, MD, Charlottesville, VA*

- 9:25 a.m. – 9:35 a.m. My Set-up for Minimally Invasive MV Surgery
Tom C. Nguyen, MD, Houston, TX
- 9:35 a.m. – 9:45 a.m. How I perform a Robotic mitral valve P2 Prolapse Repair
T. Sloane Guy, MD, New York, NY
- 9:45 a.m. – 9:55 a.m. How I Perform a Chordal Repair via Minimally Invasive Right Thoracotomy
Vinod H. Thourani, MD, Washington, DC
- 9:55 a.m. – 10:05 a.m. Outcomes of Minimally invasive Mitral Valve Repair
Vinay Badhwar, MD, Morgantown, WV
- 10:05 a.m. – 10:30 a.m. Panel Discussion
- 10:30 a.m. – 10:55 a.m. BREAK**
- 10:55 a.m. – 1:10 p.m. Session 3: Hands-On Session
(1055-1125 / 1130-1200 / 1205-1235 / 1240-110)**
Breakouts may change, based on the product availability from industry.

Room 1: Mini-MV Surgery (30 mins)

Tom C. Nguyen, MD, Joseph Lamelas, MD, Gorav Ailawadi, MD

Room 2: Tendyne TMVR (30 mins)

Brian T. Bethea, MD, Paul Sorajja, MD, Vinod H. Thourani, MD

Room 3: Intrepid TMVR (30 mins)

Gilbert Tang, MD, Michael J. Mack, MD, and Vinayak Bapat, MD

Room 4: Cardiaq TMVR (30 mins)

Wilson Y. Szeto, MD, Joseph E. Bavaria, MD, and D. Scott Lim, MD

1:10 p.m. – 1:55 p.m. LUNCH

Session 4: Transcatheter Tricuspid Valve Techniques

Moderators: *Samir R. Kapadia, MD, Cleveland, OH and Gilbert Tang, MD, New York, NY*

- 1:55 p.m. – 2:05 p.m. Transcatheter Tricuspid Repair: MitraClip
Paul Sorajja, MD, Minneapolis, MN
- 2:05 p.m. – 2:15 p.m. Transcatheter Tricuspid Repair: Pascal
D. Scott Lim, MD, Charlottesville, VA

2:15 p.m. – 2:25 p.m.	Transcatheter Tricuspid Repair: Cardioband <i>James Edelman, MD, Washington, DC</i>
2:25 p.m. – 2:35 p.m.	Direct Transcatheter Tricuspid Valve Replacement in De Novo Valves <i>Samir R. Kapadia, MD, Cleveland, OH</i>
2:35 p.m. – 2:45 p.m.	SVC/IVC Valve Placement for TR <i>Tsuyoshi Kaneko, MD, Boston, MA</i>
2:45 p.m. – 2:55 p.m.	Tricuspid Valve-in-Valve/ Valve-in-Ring <i>Vinayak Bapat, MD, New York, NY</i>
2:55 p.m. – 3:05 p.m.	Upcoming New Technology for Tricuspid Regurgitation <i>Michael J. Mack, MD, Dallas, TX</i>
3:05 p.m. – 3:30 p.m.	Panel Discussion
3:30 p.m. – 3:55 p.m.	BREAK
3:55 p.m. – 6:10 p.m.	Session 5: Tricuspid Valve Hands-On Session (3:55-4:25 / 4:30-5:00 / 5:05-5:35 / 5:40-6:10)
	Room 1: Pascal Module (30 mins) vs mini-TV
	Room 2: Cardioband Module (30 mins)
	Room 3: Mitraclip for Tricuspid (30 mins) <i>Paul Sorajja, MD,</i>
	Room 4: Tricuspid valve in valve (30 mins)
6:10 p.m. – 6:30 p.m.	Break – Grab a snack/beverage for Friday Night Cases
	Session 6: Friday Night: Featuring Challenging Cases Moderators: D. Scott Lim, MD, Charlottesville, VA, Tom C. Nguyen, MD, Houston, TX, and Vinod H. Thourani, MD, Washington, DC
Presentation titles will be changed to very general titles so as to not give away the surgery. These cases should highlight more challenging cases. Presenters should show your management strategies through completion.	
6:30 p.m. – 6:45 p.m.	Mitral Valve Surgery in MAC (Transcatheter) <i>Gorav Ailawadi, MD, Charlottesville, VA</i>
6:45 p.m. – 7:00 p.m.	Mitral Valve Surgery in MAC (Open) <i>Gilbert Tang, MD, New York, NY</i>
7:00 p.m. – 7:15 p.m.	Complex Transcatheter MV repair (Mitraclip) <i>Jason H. Rogers, MD, Sacramento, CA</i>

7:15 p.m. – 7:30 p.m. Concomitant minimally invasive MV and TV Repair
Joseph Lamelas, MD, Miami, FL

7:30 p.m. – 7:45 p.m. Minimally invasive MV and Atrial fibrillation Maze
Vinay Badhwar, MD, Morgantown, WV

7:45 p.m. Adjourn

Day 2
Saturday, August 24, 2019

7:00 a.m. – 7:30 a.m. BREAKFAST

7:30 a.m. – 9:00 a.m. **Session 7: Imaging and Management of Complications for Mitral Valve Surgery**
Moderators: *Robert L. Smith, MD, Dallas, TX* and *Samir R. Kapadia, MD, Cleveland, OH*

7:30 a.m. - 7:40 a.m. I Can Tell You How to Repair Your Valve by Echocardiography: You Just Have to Listen to Me!!!
Paul A. Grayburn, MD, Dallas, TX

7:40 a.m. – 7:50 a.m. Transcatheter Transeptal Puncture: A Guide for Surgeons
Tsuyoshi Kaneko, MD, Boston, MA

7:50 a.m. – 8:00 a.m. The Essentials for CT imaging for Transcatheter Mitral and Tricuspid Valve Surgery
Paul A. Grayburn, MD, Dallas, TX

8:00 a.m. – 8:10 a.m. Preventing LVOT obstruction in TMVR: From LAMPOON to BASILICA
James Edelman, MD, Washington, DC

8:10 a.m. – 8:20 a.m. Management of Complications after TMVR
Brian T. Bethea, MD, Baltimore, MD

8:20 a.m. – 8:30 a.m. Management of Complications after Minimally Invasive MV surgery
Robert L. Smith, MD, Dallas, TX

8:30 a.m. – 8:55 a.m. Panel Discussion

8:55 a.m. – 9:20 a.m. BREAK

9:20 a.m. – 11:35 a.m. Session 8: Hands-On
(9:20-9:50 / 9:55-10:25 / 10:30-11:00 / 11:05-11:35)

Room 1: Mini-MV Surgery (30 mins)
Tom C. Nguyen, MD, Vinod H. Thourani, MD, and Tsuyoshi Kaneko, MD

Room 2: Mini-TV Surgery (30 mins)
Joseph Lamelas, MD and Vinay Badhwar, MD

Room 3: Mitraclip (30 mins)
 Brian T. Bethea, MD, Samir Kapadia, MD, and Robert L. Smith, MD

Room 4: Harpoon or Neochord (30 mins)
 Gilbert Tang, MD, James S. Gammie, MD, and Steven F. Bolling, MD

11:35 a.m. – 12:00 p.m. **Transition back to general session room / grab lunch for working lunch**

Session 9: Transcatheter Mitral Valve Repair

Moderators: *Gorav Ailawadi, MD, Charlottesville, VA and Jason H. Rogers, MD, Sacramento, CA*

12:00 p.m. – 12:10 p.m. COAPT: How this Changed the Management of Functional Mitral Regurgitation
Michael J. Mack, MD, Dallas, TX

12:10 p.m. – 12:20 p.m. Transapical Chordal Replacement: Harpoon
James S. Gammie, MD, Baltimore, MD

12:20 p.m. – 12:30 p.m. Transapical Chordal Replacement: NeoChord
Gilbert Tang, MD, New York, NY

12:30 p.m. – 12:40 p.m. Transseptal Annuloplasty Incomplete Ring: Cardioband
Vinod H. Thourani, MD, Washington, DC

12:40 p.m. – 12:50 p.m. Transseptal Annuloplasty Complete Ring: Millipede
Jason H. Rogers, MD, Sacramento, CA

12:50 p.m. – 1:00 p.m. Transeptal MV repair: Mitraclip and Pascal
D. Scott Lim, MD, Charlottesville, VA

1:00 p.m. – 1:10 p.m. New Upcoming Technologies in Transcatheter MV repair
Steven F. Bolling, MD, Ann Arbor, MI

1:10 p.m. – 1:30 p.m. Panel Discussion

1:30 p.m. – 1:45 p.m. **Break**

Session 10: Case Presentations

Moderators: *Vinayak Bapat, MD, New York, NY and James S. Gammie, MD, Baltimore, MD*

1:45 p.m. – 2:00 p.m. Minimally Invasive TV Repair
Gorav Ailawadi, MD, Charlottesville, VA

2:00 p.m. – 2:15 p.m. Transcatheter Tricuspid Valve-in-Valve
Steven F. Bolling, MD, Ann Arbor, MI

2:15 p.m. – 2:30 p.m.	Transcatheter Mitral Valve-in-Valve <i>Tom C. Nguyen, MD, Houston, TX</i>
2:30 p.m. – 2:45 p.m.	Transcatheter Mitral Valve-in-Ring <i>Brian T. Bethea, MD, Baltimore, MD</i>
2:45 p.m. – 3:00 p.m.	Minimally Invasive Redo MV Surgery <i>Robert L. Smith, MD, Dallas, TX</i>
3:00 p.m. – 3:15 p.m.	How I Managed My Worst Minimally Invasive MV Complication <i>T. Sloane Guy, MD, New York, NY</i>
3:15 p.m. – 3:30 p.m.	Closing remarks <i>Vinod H. Thourani, MD, Washington, DC</i> <i>Gorav Ailawadi, MD, Charlottesville, VA</i>