Day 1 - Friday, September 9, 2022

6:45 – 7:45 AM
Registration & Breakfast
Coffee with colleagues

7:45 – 8:00 AM
Opening remarks
Joseph Bavaria, MD
Munir Boodhwani, MD

SESSION I: FUNDAMENTAL PRINCIPLES OF AORTIC VALVE ANATOMY AND FUNCTION
Moderators: Victor Ferrari, MD; Joseph Bavaria, MD

8:00 - 8:15 AM (10 min presentation, 5 min discussion)
Aortic Valve Anatomy and Function
Roland Assi, MD

8:15 - 8:30 AM (10 min presentation, 5 min discussion)
When to operate for Proximal Aortopathy: Review of data and guidelines
Karen Kim, MD

8:30 - 8:45 AM
Cardiology Keynote: Natural History of Aortic Insufficiency and Guidelines for the Medical and Surgical Management
Robert Bonow, MD

8:45 – 9:15 AM
Controversies in Aortic Insufficiency and timing of intervention – Moderated Panel Discussion
Moderator: Munir Boodhwani, MD
Expert Panel: Robert Bonow, MD; Maral Ouzounian, MD; Michael Fischbein, MD; Chad Hughes, MD; Victor Ferrari, MD; Joseph Bavaria, MD

9:20 – 9:40 AM
Repair Focused Echocardiographic Evaluation of the Aortic Valve & Root
Adam Dryden, MD
9:40 – 9:50 AM
Principles of Surgical Aortic Valve Assessment for Valve Repair
Munir Boodhwani, MD

9:50 – 10:20 AM
Deep Dive into both Surgical and Echocardiographic Aortic Valve Analysis – Intraoperative Video Presentations
Moderator: Joseph Bavaria, MD
Video Moderator: John J. Kelly, MD
Expert Panel: Munir Boodhwani, MD; Bonnie Milas, MD; Emmanuel Lansac, MD, PhD; Laurent De Kerchove, MD; Edward Chen, MD; Jared Feinman, MD; Adam Dryden, MD

10:20 AM – 10:40 PM
Coffee break

SESSION II: INTRODUCTION TO SURGICAL TECHNIQUES FOR AORTIC ROOT AND VALVE RECONSTRUCTION
Moderators: Thomas Gleason, MD; Maral Ouzounian, MD; Prashanth Vallabhajosyula, MD

10:40 – 10:50 AM
Aortic Valve Repair – Overview of surgical techniques
Prashanth Vallabhajosyula, MD

10:50 AM – 11:05 AM
Honorary Lecture: Valve-sparing root remodeling technique and external annuloplasty
Emmanuel Lansac, MD, PhD

11:05 AM - 11:15 AM
(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)
Valve-sparing root reimplantation technique in a trileaflet valve (Tailored Graft)
Michael Fischbein, MD

11:15 AM – 11:25 AM
(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion) Valve-sparing root reimplantation technique in a trileaflet valve (Valsalva Graft)
TBD
11:25 AM – 11:35 AM  
(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)  
Internal Annuloplasty with the HAART ring +/- Type A dissection  
Joshua Baker, MD

11:35 AM – 11:45 AM  
(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)  
The Florida Sleeve Operation: When and How?  
Thomas Beaver, MD

11:45 AM – 12:00 PM  
Panel Discussion  
Moderator: Thomas Gleason, MD  
Expert Panel: Thomas Beaver, MD; Maral Ouzounian, MD; Joshua Baker, MD; Emmanuel Lansac, MD, PhD; Prashanth Vallabhajosyula, MD; Michael Fischbein, MD; Emily MacKay, MD

12:00 PM-12:05 PM  
Introduction of Keynote Speaker  
Joseph Bavaria, MD

12:05 PM – 12:30 PM  
Keynote Address  
The Anatomic Roadmap of the Aortic Valve - What we have learned over the years from anatomic and imaging studies about the aortic valve anatomy and function  
Laurent DeKerchove, MD

12:30 PM-12:35 PM  
Q&A with keynote speaker  
Moderator Joseph Bavaria, MD

12:35 PM – 12:50 PM  
Break to pick up lunch and return to lecture hall

12:50 PM – 1:30 PM  
Lunch at the Movies: Rapid-Fire Video Presentations (3 min video/ 2 min discussion) on Valve Repair and Related Procedures  
Presentations from Course Participants: TBD  
Moderator: Keerit Tauh, MD  Video Moderator: John J. Kelly, MD  
Panel: Nimesh Desai, MD, PhD; Joshua C. Grimm, MD; Jennifer Chung, MD; Munir Boodhwani MD
1:30 PM – 1:50 PM
Break: Network

SESSION III: AORTIC VALVE CUSP REPAIR
Moderators: Nimesh Desai, MD, PhD; Edward Chen, MD; Laurent De Kerchove, MD; Emmanuel Lansac, MD, PhD

1:50 PM – 2:20 PM
Learning from the Experts: How I choose my Root/Annuloplasty Technique
Moderator: Nimesh Desai, MD, PhD
Expert Panel: Laurent de Kerchove, MD; Edward Chen, MD; Chad Hughes, MD; Emmanuel Lansac, MD, PhD; Maral Ouzounian MD, Himanshu Patel MD

2:20 PM – 2:30 PM
(Live-in-box; 7 min video, 3 min discussion)
Marfan Syndrome: Valve-Sparing Special Considerations
Himanshu Patel, MD

2:30 PM – 2:45 PM
Core Concepts in the Assessment and Treatment of Cusp Pathology
Ibrahim Sultan, MD

2:45 PM – 3:00 PM
(Live-in-box; 10 min video, 5 min didactic/discussion)
Single and Multiple Cusp Prolapse: Assessment and Repair Techniques
Munir Boodhwani, MD

3:00 PM – 3:15 PM
Aortic Valve and Root Preservation in Acute Type A Aortic Dissection: technique, video, pearls, and data review
Bradley Leshnower, MD

3:15 – 3:20 PM
4D CTA Computational Model Simulating BAV Repair
William Brinkman, MD

3:20-3:30 PM
Surgeon to Patient and Back Again: A BAV Repair Odyssey
Todd Crawford, MD
3:30 PM – 3:45 PM
Panel Discussion: (Theme: Should we ever use a pericardial patch to facilitate cusp repair?)
Moderator: Prashanth Vallabhajosyula, MD
Expert Panel: Francois Dagenais, MD; Emmanuel Lansac, MD, PhD; Bradley Leshnower, MD; Munir Boodhwani, MD; Maral Ouzounian, MD; Ibrahim Sultan, MD; William Brinkman, MD

3:45 PM – 4:00 PM
Coffee & Snack break

SESSION IV: OUTCOMES AND ALTERNATIVES TO AORTIC VALVE REPAIR
Moderators: Ismail El-Hamamsy, MD; Wilson Szeto, MD; Karen Kim, MD

4:00 PM– 4:15 PM
Is Aortic Valve Repair really better than replacement? Review of the evidence
Joshua Grimm, MD

4:15 PM – 4:30 PM
Bio-Bentall for the non-repairable aortic valve: technical overview and video
Wilson Szeto, MD

4:30 PM – 4:45 PM
Ross procedure in Aortic Insufficiency – when and how? Video and data
Nimesh Desai, MD, PhD

4:45 PM – 5:00 PM
Going beyond the root - options for management of concomitant aortic arch pathology
Michael Chu, MD

5:00 PM – 5:20 PM
Panel Discussion
Moderator: Ismail El-Hamamsy, MD
Expert Panel: Wilson Szeto, MD; Nimesh Desai, MD, PhD; Michael Chu, MD; Francois Dagenais, MD; Joshua Grimm, MD; Karen Kim, MD; Todd Crawford, MD; Laurent DeKerchove, MD

5:20 PM - 5:40 PM
Extra! Extra!
Breaking News! Catastrophe: State of Cardiac Surgery in Kyiv During the Russian Invasion
Presenter: Varbanets Serhii (Sergey)
5:40 PM – 5:45 PM
Closing Remarks
Munir Boodhwani, MD; Joseph Bavaria, MD

5:45 – 7:15 PM Cocktail Reception

DAY 2 – Saturday, September 10, 2022

7:00- 7:40 AM
“Early Riser” Breakfast Symposium
Technical Considerations of Stented Bio Bentall Procedures
Joseph Bavaria, MD
Joshua Grimm, MD
S. Christopher Malaisrie, MD

7:45 AM – 8:00 AM
Opening remarks
Joseph Bavaria, MD
Munir Boodhwani, MD

SESSION IV: BICUSPID AORTIC VALVE REPAIR – MASTERCLASS SESSION
Moderators: Joseph Bavaria, MD and Laurent DeKerchove, MD

8:00 AM – 8:15 AM
Honorary Surgical Anatomy Lecture: Classification of Bicuspid Aortic Valve Insufficiency
S. Christopher Malaisrie, MD

8:15 AM – 8:30 AM
Atlas of Techniques for BAV Repair
Maral Ouzounian, MD

Video Session: BAV repair techniques (7 min video, 3 min introduction/echo/conclusion)

8:30 – 8:40 AM
BAV repair with root reimplantation [Live in box]
Nimesh Desai, MD, PhD
8:40 AM– 8:50 AM
BAV repair with root remodeling [Live in box]
Ismail El-Hamamsy, MD

8:50 AM– 9:00 AM
BAV repair in complex anatomic BAV/unicusp presentation with root reimplantation (BAV outside of the normal classification system) [Live in box]
Joseph Bavaria, MD

9:00 AM – 9:10 AM
BAV repair +/- with root remodeling with internal subannular aortic ring [Live in box]
Chad Hughes, MD

9:10 AM – 9:20 AM
Cusp repair in BAV [Live-in-box]
Munir Boodhwani, MD

9:20 AM – 9:40 AM
**Debate:** 50-year-old male with severe AI, BAV and aortic root = 4.2 cm: How best to repair the valve? Preserve or Replace the Root?
- Isolated BAV repair with external Subannular Aortic Ring
  - Emmanuel Lansac, MD, PhD
  - vs.
  - Valve sparing Root Replacement
  - Laurent de Kerchove, MD

9:40 AM – 9:55 AM
Panel Discussion
Moderator: Joseph Bavaria, MD
Expert Panel: Laurent DeKerchove, MD; Emmanuel Lansac, MD, PhD; Munir Boodhwani, MD; Chad Hughes, MD; Maral Ouzounian, MD; Nimesh Desai, MD, PhD; S. Christopher Malaisrie, MD

9:55 AM – 10:00 AM
Introduction of Honorary Speaker
Nimesh Desai, MD, PhD

10:00 AM – 10:25 AM
Honorary Lecture: Bicuspid Aortic Valve Repair: A Glimpse into the Future
Edward Chen, MD
10:25 AM – 10:50 AM Coffee Break

SESSION V: AORTIC VALVE REPAIR 2.0 - CHALLENGES, CONTROVERSIES, AND NOVEL APPROACHES

10:50 AM – 11:00 AM
Bicuspid Aortic Valve Repair and the Florida Perspective: Sleeve or No Sleeve? (Live-in-box; 7 min video, 3 min introduction/echo/conclusion)
George Arnaoutakis, MD

11:00 – 11:10 AM
Selective use of Pericardial Patch in BAV Repair/BAV Conversion to Sievers 0
Thomas Gleason, MD

11:10 AM – 11:25 AM
How does the BAV Commissural Angle Configuration Concept Affect BAV Repair: Video Examples and Thinking About BAV Repair in Depth
Laurent DeKerchove, MD

11:25 AM – 11:40 AM
Symmetric or Asymmetric Reconstruction in Bicuspid Aortic Valves: Concepts, Video Examples, Results
Prashanth Vallabhajosyula, MD

11:40 AM – 11:50 AM
Very Asymmetric BAV Repair with 210°-150° Reimplantation (Live-in-box; 7 min video, 3 min introduction/echo/conclusion)
Joseph Bavaria, MD

11:50 AM – 12:00 PM
Paper Thin Aortic Sinus: Repair or Replace?
Munir Boodhwani, MD

12:00 PM – 12:30 PM
Panel Discussion
Moderator: Maral Ouzounian, MD
Expert Panel: Thomas Gleason, MD; Munir Boodhwani, MD; Prashanth Vallabhajosyula, MD; Laurent DeKerchove, MD; George Arnaoutakis, MD; Joseph Bavaria, MD; Edward P. Chen, MD
12:30 – 1:00 PM
Break to pick up lunch and return to lecture hall

Session VI: Working Lunch – “The Valve Leaks, What do I do?” Approach to Recurrent AI following AV Repair” (Case-based Discussions)

Moderator: Munir Boodhwani, MD

1:00 PM – 2:00 PM
Expert Panel: Emily MacKay, DO; Adam Dryden, MD; Prasanth Vallabhajosyula, MD; S. Christopher Malaisrie, MD; Laurent DeKerchove, MD; Emmanuel Lansac, MD, PhD; Jared Feinman, MD; T. Brett Reece, MD

2:00 PM
Closing Remarks and Adjournment
Joseph E Bavaria, MD; Munir Boodhwani, MD; Nimesh D. Desai, MD, PhD; Prasanth Vallabhajosyula, MD