



NORTH AMERICAN

AORTIC VALVE REPAIR SYMPOSIUM LLC

Friday and Saturday, September 9-10, 2022
Sofitel Philadelphia
AGENDA

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



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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

11:05AM - 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



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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



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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



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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)



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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



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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



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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



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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



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