

6TH NORTH AMERICAN AORTIC VALVE REPAIR SYMPOSIUM
Sofitel, Philadelphia
Friday and Saturday, September 6-7, 2024

Day 1 - Friday, September 6, 2024

6:30 AM – 7:30 AM

Registration & Breakfast

6:45 AM -7:30 AM

Networking/Breakfast/Visit with Industry Partners

(Note: there will be “looping” detailed surgical videos featuring aortic valve repair and advanced aortic root operations throughout the venue)

7:30 AM – 7:45 AM

Opening remarks and “The Aortic Root Universe”: National trends from the STS database

Joseph Bavaria MD

Munir Boodhwani MD

SESSION I: THE AORTIC ROOT AND VALVE: TACKLING THE FUNDAMENTALS

Moderators: Joseph Bavaria MD, Eric Isselbacher MD (a third TBD)

7:45 AM - 8:00 AM (10 min presentation, 5 min discussion)

Aortic Valve Anatomy and Function

Roland Assi MD

8:00 AM - 8:15 AM (10 min presentation, 5 min discussion)

Surgical thresholds for operating on the ascending aorta: (Focus on BAV and Sporadic) What do the 2022 ACC/AHA AORTA guidelines tell us and why?

Karen Kim MD

8:15 AM - 8:25 AM

TITAN: SvS – Early insights from the first RCT in ascending aortic aneurysms (7 min presentation, 3 min discussion)

Jehangir Appoo, MD

Embedded Session: Comprehensive Exploration into Aortic Valve Insufficiency; “The Misunderstood Valve Lesion”

Moderators: Joseph Bavaria MD, Eric Isselbacher MD, Ismail El-Hamamsy MD

8:25 AM – 8:35 AM

Aortic Valve Insufficiency and the 2021 European Valve Guidelines: What can we learn?

Friedhelm Beyersdorf MD

8:35 AM -8:50 AM

CARDIOLOGY KEYNOTE LECTURE

Natural History of Aortic Insufficiency and Guidelines for Medical and Surgical Management

Eric Isselbacher MD

8:50 AM -9:00 AM

Is it surging into the fast lane? Aortic Valve Insufficiency and CMR: What should we know?

Andrew Peters MD

9:00 AM -9:20 AM

Panel Discussion on emerging diagnostic and management paradigms for Aortic Valve Insufficiency

Moderator: Joseph Bavaria MD

Expert Panel: Eric Isselbacher MD, Emmanuel Lansac MD PhD, Friedhelm Beyersdorf MD, Karen Kim MD, Andrew Peters MD

9:20 AM – 9:40 AM

TEE Assessment of the Aortic Valve & Root: What every repair surgeon and echo anesthesiologist needs to know (15 min lecture, 5 min discussion)

Adam Dryden MD

9:40 AM – 10:15 AM

Interoperative Valve Analysis: Understanding Aortic Valve Assessment with Focus on Mechanisms of Insufficiency....."how does one think?"

(Moderator starts with a 5-min introduction on surgical assessment, followed by the presentation of 3-4 cases of Echo/Surgical correlation – from easy to difficult cases; interactive with panel discussion)

Moderator: Joseph Bavaria MD

Echocardiography Moderator: Jared Feinman MD

Video Moderator: John J Kelly MD

Expert Panel: Gebrine El-Khoury MD, Munir Boodhwani MD, Emmanuel Lansac, Maral Ouzounian MD, Prashanth Vallabhajosyula MD

10:15 AM – 10:35 PM

Coffee break and visit with Industry

SESSION II: MANAGING THE AORTIC ROOT AND ANNULUS: Techniques for Reconstruction

Moderators: Prashanth Vallabhajosyula MD, Maral Ouzounian MD PhD

Introduction of Honorary Speaker

Nimesh Desai MD PhD

10:35 AM – 10:55 AM

Honorary Lecture: Bicuspid Aortic Valve Repair: From the early days to the present...what have we learned from the Cleveland Clinic Experience?

Eric Roselli MD

10:55 AM – 11:05 AM

(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)

Deep External Dissection of the Aortic Root: Technique and Pitfalls

Munir Boodhwani MD

11:05 AM – 11:15 AM

(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)

Valve-sparing root 3-cusp reimplantation technique (Tips and Tricks) Valsalva Graft

Wilson Szeto MD

11:15 AM – 11:25 AM

(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)

Valve-sparing root replacement - different perspectives

George Arnoutakis MD

11:25 AM – 11:35 AM

(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)

Valve sparing surgery in connective tissue/syndromic disorders: special considerations

Himanshu Patel MD

11:35 AM – 11:45 AM

(Live-in-box; 7-minute video, 3 minutes for introduction/echos/conclusion)

Valve-sparing root reimplantation technique in a 3-cusp valve (tailored graft)

Thomas Gleason MD

11:45 AM – 12:00 PM

(Live-in-box with clinical examples)

Video Session: Aortic Root Aneurysm - tricuspid valve and specific lesion sets

Pouya Youssefi MD

12:00 PM-12:15 PM

Discussion of video techniques

Moderator: Prashanth Vallabhajosyula MD, Maral Ouzanian MD

Expert Panel: Munir Boodhwani MD, Pouya Youssefi MD, Wilson Szeto MD, Himanshu Patel MD, George Arnaoutakis MD, Thomas Gleason MD

12:15 PM-12:20 PM

Introduction of Keynote Speaker

12:20 PM – 12:45 PM

SYMPOSIUM KEYNOTE ADDRESS

Three Decades of Aortic Valve Repair: What have we learned and what's next?

Gebrine El-Khoury MD

12:45 PM-12:50 PM

Q&A with keynote speaker

Moderator: Munir Boodhwani MD

12:50 PM – 1:10 PM

BREAK

Pick up lunch and visit with Industry

1:10 PM – 1:40 PM (with lunch)

LUNCH AT THE MOVIES

Rapid Fire Video Presentations/Abstracts on Valve Repair and Related Procedures

Presenters: Marijan Koprivanac MD, Bradley Carter MD, Konstadinos Plestis MD, Edward Percy MD, Scott Deroo MD

Moderators: Chris Mehta MD

Video Moderator: John J Kelly MD

Panel: Nimesh Desai MD PhD, Josh Grimm MD, Roland Assi MD, and Kendall Lawrence MD

1:40 PM – 1:50 PM

BREAK

SESSION III: ROSS MASTERCLASS: a deep dive into the Ross for unreparable valves

Moderators: Nimesh Desai MD PhD, Shinichi Fukuhara MD

1:50 PM – 2:00 PM

Outcomes following the Ross Procedure: What does the latest data say?
William Brinkman MD

2:00 PM – 2:10 PM

Ross Procedure: Full Root Technique – How and why I do it
Michael Chu MD

2:10 PM – 2:20 PM

Supported Ross in AI: How and why I do it
Shinichi Fukuhara MD

2:20 PM – 2:30 PM

Individualized approach to autograft protection: Techniques and Video demonstration
Christopher Burke MD

2:30 PM – 2:40 PM

(Live-in-box; 7 min video, 3 min discussion)
Sizing and Implanting the Pulmonary Homograft
Elbert Williams MD

2:40 PM – 2:50 PM

(Live-in-box; 7 min video, 3 min discussion)
Ross Procedure for BAV, AI, and dilated annulus: Techniques and Outcomes
Nimesh Desai MD PhD

2:50 PM – 3:05 PM

Panel Discussion: (Theme: Patient and technique selection for Ross in Aortic Valve Insufficiency)
Moderator: Nimesh Desai MD PhD
Expert Panel: Shinichi Fukuhara MD, Chris Burke MD, Elbert Williams MD, Michael Chu MD, William Brinkman MD

3:05 PM – 3:30 PM

Abstract & Video Session #2 (4 abstracts/videos – 5 min presentation, 1 min Q/A)
Moderators: Bradley Leshnowar MD, Christopher Burke MD
Amine Mazine MD, Edward Percy MD, TBD

3:30 PM – 3:45 PM

SESSION IV: REPAIR, REPLACE, AND ADVANCED ROOT PROCEDURES
Moderator: Chad Hughes MD

3:45 PM -3:55 PM

BioBentall: How I do it?
Josh Grimm MD

3:55 PM – 4:05 PM

VSRR for Type A dissection: How I do it?
Bradley Leshnowar MD

4:05 PM - 4:30 PM

Panel Discussion 'The Art of the Possible' – Would you repair this valve?

Presenters: Aurelien Vallee MD

Moderator: Munir Boodhwani MD

Video Moderator: John Kelly

Echo Moderator: Adam Dryden, Bonnie Milas MD

Panel: Gebrine El-Khoury MD, Joseph Bavaria MD, Prashanth Vallabhajosyula MD, Emmanuel Lansac MD, Eric Roselli MD

4:30 PM - 4:40 PM

Clinical Outcomes with the Bentall Procedure in Aortic Valve Insufficiency with Root Aneurysm

Filip Casselman MD

4:45 PM– 5:10 PM

Debate: Aortic Valve Repair should not be performed in patients over age 65

Moderator: George Arnaoutakis MD

Yes, repair the valve: Munir Boodhwani MD

No, do not repair: Prashanth Vallabhajosyula MD

5:10 PM – 5:35 PM

THE BATTLE OF THE TORONTO DIASPORA!

Debate: Acute Type A Aortic Dissection with severe AI in a hemodynamically stable patient

Moderator: Prashanth Vallabhajosyula MD

Replace the valve/Bentall: TBD

Repair the valve/VSRR: Maral Ouzanian MD PhD

5:30 PM – 5:35 PM

Closing Remarks

Munir Boodhwani MD

Joseph Bavaria MD

5:35 PM – 7:00 PM

Cocktail Reception

DAY 2 – Saturday, September 7, 2024

7:00 AM – 7:35 AM

Early riser aortic root and Aortic Valve Repair Breakfast Session

7:40 AM – 7:45 AM

Opening remarks

Joseph Bavaria MD

Munir Boodhwani MD

7:45 AM -8:05 AM

SPECIAL ROUNDTABLE: two physician-patients and why BAV Repair is so important.

Prashant Kedia MD, Todd Crawford MD

SESSION IV: BICUSPID AORTIC VALVE REPAIR

Moderators: Joseph Bavaria, S. Christopher Mailasrie MD

8:05 AM – 8:15 AM

BAV Aortopathy: When should we intervene/review specific BAV aorta guidelines?

Elaine Tseng MD

8:50 AM – 8:30 AM

HONORARY SURGICAL ANATOMY LECTURE

New Radical Anatomy and Classification Standards for Bicuspid Aortic Valve Insufficiency: Symmetric, Asymmetric, the “Michelena” continuum and Implications for repair

S. Christopher Malaisrie MD

Video Session: BAV repair +/- Root Aneurysm (7 min video, 3 min introduction/echo/conclusion)

8:30 AM – 8:40 AM

BAV repair with root reimplantation (symmetric) [Live in box]

Munir Boodhwani MD

8:40 AM – 8:50 AM

BAV repair with root reimplantation (asymmetric 140-160) [Live in box]

Joseph Bavaria MD

8:50 AM– 9:00 AM

BAV repair, severe AI, complex [Live in box]

TBD

9:00 AM– 9:10 AM

Isolated BAV repair with intact root and external annuloplasty ring [Live in box]

Emmanuel Lansac MD PhD

9:10 AM – 9:20 AM

Type I R/L BAV repair with selective sinus replacement [Live in box]

G. Chad Hughes MD

9:20 AM – 9:35 AM

BAV SPECIAL LECTURE

Managing the spectrum of BAV pathology: From symmetric to the very asymmetric BAV [Live-in-box]

Gebrine El Khoury MD

9:35 AM – 9:45 AM

Internal stabilization with Annuloplasty ring and reimplantation procedure

T. Brett Reece MD

9:45 AM – 10:00 AM

Panel Discussion

Moderator: Joseph Bavaria, MD, Gebrine El-Khoury MD

Expert Panel: Munir Boodhwani MD, Joseph Bavaria MD, Elaine Tseng MD, Emmanuel Lansac MD PhD,

G. Chadd Hughes MD, T. Brett Reece MD

10:00 AM - 10:05 AM

Introduction of Honorary Speaker

Joseph Bavaria MD

10:05 - 10:20 AM

HONORARY LECTURE

Rationale for Aortic Annuloplasty for a step-by-step valve-sparing root replacement

Emmanuel Lansac MD PhD

10:20 AM – 10:45 AM

Coffee Break and Visit with Industry

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

Moderators: S. Christopher MD Malaisrie and Himanshu Patel MD

10:45 AM – 10:55 AM

Avoiding and Addressing Complications in AV Repair: Pacemakers, Perforations, Fistulas, & Coronaries

Mark Peterson MD PhD

10:55 AM – 11:10 AM

Symmetric vs. Asymmetric Repair of the BAV: Video Examples and Nuanced Decision Making

Prashanth Vallabhajosyula MD

11:10 AM – 11:20 AM

Cusp Shaving to Improve Coaptation and Enable Valve Repair

Hugo Issa, MD

11:20 AM – 11:45 AM

A Titanic and Relevant Debate: Very Asymmetric Bicuspid Aortic Valve with Severe Aortic Valve Insufficiency in a 25-year-old patient: Repair or Ross (9-minute lectures, 7-minute discussion and rebuttal)

Repair: Joseph Bavaria MD

Ross: Nimesh Desai MD PhD

11:45 AM – 11:55 PM

Special Session: “The Valve Leaks, What do I do?”

The Valve Leaks: Approach to Recurrent AI following AV repair (Echo + Surgery joint talk)

Echo: Adam Dryden, MD

Surgery: Ming Guo, MD

12:00 PM – 12:30 PM

Panel Discussion: Assessing the repaired valve – when to re-explore and re-repair/replace?

(Moderator begins with a 5-min overview on benchmarks for successful repair, then 3-4 cases with echo + surgery presentations and panel discussion)

Moderator: Munir Boodhwani MD

Expert Panel: Emily MacKay MD, Gebrine El-Khoury MD, Adam Dryden MD, Emmanuel Lansac MD PhD

12:30 PM - 1:00 PM

Break to pick up lunch and visit with Industry

SESSION VI: Working Lunch – Advanced Imaging Symposium

Moderator: Nimesh Desai MD PhD, Elaine Tseng MD and William Brinkman MD

1:00 PM - 1:10 PM

Using imaging to assess aortic stiffness and compliance and predict outcomes in aortopathy

Thais Coutinho MD

1:10 PM - 1:20 PM

Understanding the leftward shift: Where and how should we measure the Root and Ascending Aorta?

John Elefteriades MD

1:20 PM - 1:30 PM

AI Based Aortic Analysis – Is it Ready for Prime Time?

Randy Moore MD

1:30 PM - 1:40 PM

Can Novel Imaging Techniques Guide Aortic Valve Repairs?

Allison Pouch MD

1:40 PM - 2:00 PM

Panel Discussion

Moderator: Nimesh Desai MD PhD

Panelists: Thais Coutinho MD, John Elefteriades MD, Randy Moore MD, Alison Pouch MD

2:00 PM

Closing Remarks and Adjournment

Joseph E. Bavaria MD

Munir Boodhwani MD