

# AGENDA

DAY 1 • FRIDAY, SEPTEMBER 6, 2024

- 6:30 – 7:30 AM Registration, Breakfast, and Visit Exhibits
- 7:30 – 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

- 7:45 – 8:00 AM Aortic Valve Anatomy and Function  
Roland Assi, MD
- 8:00 – 8:15 AM 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 – 8:25 AM Treatment in Thoracic Aortic Aneurysm: Early Insights from the First Randomized Controlled  
Trial in the Treatment Ascending Aortic Aneurysms  
Munir Boodhwani, MD

### Comprehensive Exploration into Aortic Valve Insufficiency; “The Misunderstood Valve Lesion”

MODERATORS: Joseph Bavaria, MD • Eric Isselbacher, MD

- 8:25 – 8:35 AM Aortic Valve Insufficiency and the 2021 European Valve Guidelines: What Can We Learn?  
Friedhelm Beyersdorf, MD
- 8:35 – 8:50 AM **CARDIOLOGY KEYNOTE LECTURE**  
Natural History of Aortic Insufficiency and Guidelines for Medical and Surgical Management  
Eric Isselbacher, MD
- 8:50 – 9:00 AM Is it Surging Into the Fast Lane? Aortic Valve Insufficiency and CMR: What Should We Know?  
Andrew Peters, MD
- 9:00 – 9:20 AM **PANEL DISCUSSION**  
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 – 9:40 AM TEE Assessment of the Aortic Valve & Root: What Every Repair Surgeon and Echo  
Anesthesiologist Needs to Know  
Adam Dryden, MD
- 9:40 – 10:15 AM Interoperative Valve Analysis: Understanding Aortic Valve Assessment with Focus on  
Mechanisms of Insufficiency... “How Does One Think?”  
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, MD, PhD  
Maral Ouzounian, MD • Prashanth Vallabhajosyula, MD
- 10:15 – 10:35 AM Coffee Break and Visit Exhibits



## SESSION II

### Managing the Aortic Root and Annulus: Techniques for Reconstruction

MODERATORS: Prashanth Vallabhajosyula, MD • Maral Ouzounian, MD, PhD

- 10:35 – 10:55 AM** **HONORARY LECTURE**  
INTRODUCTION OF HONORARY SPEAKER: Nimesh Desai, MD, PhD  
**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 – 11:05 AM** **Deep External Dissection of the Aortic Root: Technique and Pitfalls**  
Munir Boodhwani, MD
- 11:05 – 11:15 AM** **Valve-sparing Root 3-cusp Reimplantation Technique (Tips and Tricks) Valsalva Graft**  
Wilson Szeto, MD
- 11:15 – 11:25 AM** **Valve-sparing Root Replacement – Different perspectives**  
George Arnoutakis, MD
- 11:25 – 11:35 AM** **Valve-sparing Surgery in Connective Tissue/Syndromic Disorders: Special**  
Himanshu Patel, MD
- 11:35 – 11:45 AM** **Valve-sparing Root Reimplantation Technique in a 3-cusp Valve (Tailored Graft)**  
Thomas Gleason, MD
- 11:45 AM – 12:00 PM** **VIDEO SESSION**  
**Aortic Root Aneurysm – Tricuspid Valve Repair and Specific Lesion Sets**  
Pouya Youssefi, MD
- 12:00 – 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 – 12:20 PM** **Introduction of Keynote Speaker**  
Munir Boodhwani, MD
- 12:20 – 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 – 12:50 PM** **Q&A with Keynote Speaker**  
MODERATOR: Munir Boodhwani, MD
- 12:50 – 1:10 PM** **BREAK – Pick up lunch and Visit Exhibits**
- 1:10 – 1:40 PM** **LUNCH AT THE MOVIES**  
**Rapid Fire Video Presentations/Abstracts on Valve Repair and Related Procedures**  
Marijan Koprivanac, MD • Timothy Carter, MD • Konstadinos Plestis, MD  
Edward Percy, MD • Scott Deroo, MD  
MODERATORS: Chris Mehta, MD  
VIDEO MODERATOR: John J Kelly, MD  
EXPERT PANEL: Nimesh Desai, MD, PhD • Josh Grimm, MD • Roland Assi, MD • Kendall Lawrence, MD
- 1:40 – 1:50 PM** **BREAK**

# AGENDA

DAY 1 • FRIDAY, SEPTEMBER 6, 2024

## SESSION III

### Ross Masterclass: A Deep Dive Into the Ross for Unreparable Valves (Video)

MODERATORS: Nimesh Desai, MD, PhD • Shinichi Fukuhara, MD

- 1:50 – 2:00 PM** **Outcomes Following the Ross Procedure: What Does the Latest Data Say?**  
William Brinkman, MD
- 2:00 – 2:10 PM** **Ross Procedure: Full Root Technique – How and Why I Do It**  
Michael Chu, MD
- 2:10 – 2:20 PM** **Supported Ross in AI: How and Why I Do It**  
Shinichi Fukuhara, MD
- 2:20 – 2:30 PM** **Individualized Approach to Autograft Protection: Techniques and Video Demonstration**  
Christopher Burke, MD
- 2:30 – 2:40 PM** **Sizing and Implanting the Pulmonary Homograft**  
Elbert Williams, MD
- 2:40 – 2:50 PM** **Ross Procedure for BAV, AI, and Dilated Annulus: Techniques and Outcomes**  
Nimesh Desai, MD, PhD
- 2:50 – 3:05 PM** **PANEL DISCUSSION**  
**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 – 3:30 PM** **Abstract & Video Session #2**  
MODERATORS: Bradley Leshnower, MD • Christopher Burke, MD
- The Ross Resurgence: North American Trends in Utilization and In-Hospital Outcomes**  
Amine Mazine, MD
- BAV D5 Loey's-Dietz**  
Edward Percy, MD
- Isolated Asymmetric Bicuspid Aortic Valve Repair**  
Marko Boskovski, MD
- Butterfly Patch Technique for Bicuspid Aortic Valve Reconstruction**  
William C. Frankel, MD
- 3:30 – 3:45 PM** **BREAK**

## EXHIBITORS

### DIAMOND LEVEL • TERUMO AORTIC

#### SAPPHIRE

- Baxter Healthcare Corporation
- Edwards Lifesciences
- Gore & Associates
- Abbott

#### GARNET

- BD
- LSI Solutions, Inc
- Medtronic



## SESSION IV

### Repair, Replace, and Advanced Root Procedures

MODERATOR: Chad Hughes, MD • William Brinkman, MD

- 3:45 – 3:55 PM** **BioBentall: How I Do It**  
Josh Grimm, MD
- 3:55 – 4:05 PM** **VSRR for Type A Dissection: How I Do It**  
Bradley Leshnowar, MD
- 4:05 – 4:15 PM** **Clinical Outcomes with the Bentall Procedure in Aortic Valve Insufficiency with Root Aneurysm**  
Filip Casselman, MD
- 4:15 – 4:40 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, MD  
ECHO MODERATOR: Adam Dryden, MD • Bonnie Milas, MD  
EXPERT PANEL: Gebrine El-Khoury, MD • Joseph Bavaria, MD • Prashanth Vallabhajosyula, MD  
Emmanuel Lansac, MD, PhD
- 4:45 – 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 – 5:35 PM** **DEBATE: The Battle of the Toronto Diaspora! Acute Type A Aortic Dissection with Severe (+4) AI in a Hemodynamically Stable 55 Year Old Patient**  
MODERATOR: Prashanth Vallabhajosyula, MD  
REPLACE THE VALVE/BENTALL: Mark Peterson, MD, PhD  
REPAIR THE VALVE/VSRR: Maral Ouzanian, MD, PhD
- 5:35 – 5:40 PM** **Closing Remarks**  
Munir Boodhwani, MD • Joseph Bavaria, MD
- 5:40 – 7:00 PM** **Welcome Reception**

#### EMERALD

— Genesee Biomedical, Inc

#### RUBY

— Medistim USA

#### PEARL

— Abiomed

— Artivion

— AtriCure

— Corcym

— Fehling Surgical Instruments, Inc

— Scanlan International, Inc

— Zimmer Biomet

— Dilon Technologies

— Janssen Pharmaceuticals

# AGENDA

## DAY 2 • SATURDAY, SEPTEMBER 7, 2024

- 6:30 – 7:45 AM Registration and Breakfast
- 6:40 – 7:15 AM “Early Riser” Program (Industry Sponsored, Non-CME)
- 7:40 – 7:45 AM Opening Remarks  
Joseph Bavaria, MD • Munir Boodhwani, MD

### SESSION V

#### **Bicuspid Aortic Valve Repair and Video Session (+/- root aneurysm)**

MODERATORS: Joseph Bavaria, MD • S. Christopher Malaisrie, MD

- 7:45 – 8:05 AM **SPECIAL ROUNDTABLE: Two Physician-Patients and Why BAV Repair is So Important**  
Prashant Kedia, MD • Todd Crawford, MD
- 8:05 – 8:20 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
- 8:20 – 8:30 AM **BAV Aortopathy: When Should we Intervene/Review Specific BAV Aorta Guidelines?**  
Elaine Tseng, MD
- 8:30 – 8:45 AM **BAV SPECIAL LECTURE**  
**Managing the Spectrum of BAV Pathology: From Symmetric to the Very Asymmetric BAV**  
Gebrine El Khoury, MD
- 8:45 – 8:55 AM **BAV Repair with Root Reimplantation (Symmetric)**  
Munir Boodhwani, MD
- 8:55 – 9:05 AM **BAV Repair with Root Reimplantation (Asymmetric 140-160)**  
Joseph Bavaria, MD
- 9:05 – 9:15 AM **BAV Repair, Severe AI, Complex**  
Joseph Bavaria, MD
- 9:15 – 9:25 AM **Isolated BAV Repair with Intact Root and External Annuloplasty Ring**  
Emmanuel Lansac, MD, PhD
- 9:25 – 9:35 AM **Type I R/L BAV Repair with Selective Sinus Replacement**  
G. Chad Hughes, MD
- 9:35 – 9:45 AM **Internal Stabilization with Annuloplasty Ring and Reimplantation Procedure**  
T. Brett Reece, MD
- 9:45 – 10:00 AM **PANEL DISCUSSION**  
MODERATORS: Joseph Bavaria, MD • Christopher Malaisrie, MD  
EXPERT PANEL: Munir Boodhwani, MD • Gebrine El-Khoury, MD • Elaine Tseng, MD  
Emmanuel Lansac, MD, PhD • G. Chad Hughes, MD • T. Brett Reece, MD
- 10:00 – 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 – 10:45 AM **Coffee Break and Visit Exhibits**



## SESSION VI

### **Aortic Valve Repair 2.0: Challenges, Controversies, and Novel Approaches**

MODERATORS: Maral Ouzounian, MD, PhD • Himanshu Patel, MD

- 10:45 – 10:55 AM** **Avoiding and Addressing Complications in AV Repair: Pacemakers, Perforations, Fistulas, & Coronaries**  
Mark Peterson, MD, PhD
- 10:55 – 11:10 AM** **Symmetric vs. Asymmetric Repair of the BAV: Video Examples and Nuanced Decision Making**  
Prashanth Vallabhajosyula, MD
- 11:10 – 11:20 AM** **Cusp Shaving to Improve Coaptation and Enable Valve Repair**  
Hugo Issa, MD
- 11:20 – 11:45 AM** **A Titanic and Relevant Debate: Very Asymmetric Bicuspid Aortic Valve (<140) with Severe Aortic Valve Insufficiency in a 25-year-old Patient: Repair or Ross**  
MODERATORS: Maral Ouzounian, MD, PhD • Himanshu Patel, MD  
REPAIR: Joseph Bavaria, MD  
ROSS: Nimesh Desai, MD, PhD
- 11:45 – 11:55 AM** **SPECIAL SESSION**  
**“The Valve Leaks, What Do I Do?” — Approach to Recurrent AI Following AV Repair (Echo + Surgery Joint Talk)**  
ECHO: Adam Dryden, MD  
SURGERY: Ming Guo, MD
- 12:00 – 12:30 PM** **PANEL DISCUSSION**  
**Assessing the Repaired Valve – When to Re-explore and Re-repair/Replace?**  
MODERATOR: Munir Boodhwani, MD  
EXPERT PANEL: Emily MacKay, MD • Gebrine El-Khoury, MD • Adam Dryden, MD  
Emmanuel Lansac, MD, PhD
- 12:30 – 1:00 PM** **BREAK – Pick up lunch and Visit Exhibits**

## SESSION VII

### **Working Lunch: Advanced Imaging Symposium**

MODERATORS: Nimesh Desai, MD, PhD • Elaine Tseng, MD • William Brinkman, MD

- 1:00 – 1:10 PM** **The Role of Aortic Function in TAA: The Aorta is Not Just a Pipe**  
Thais Coutinho, MD
- 1:10 – 1:20 PM** **Understanding the Leftward Shift:  
Where and How Should We Measure the Root and Ascending Aorta?**  
John Elefteriades, MD
- 1:20 – 1:30 PM** **AI Based Aortic Analysis – Is it Ready for Prime Time?**  
Hamid Mojjibian, MD
- 1:30 – 1:40 PM** **Can Novel Imaging Techniques Guide Aortic Valve Repairs?**  
Alison Pouch, PhD
- 1:40 – 2:00 PM** **PANEL DISCUSSION**  
MODERATOR: Nimesh Desai, MD, PhD  
PANELISTS: Thais Coutinho, MD • John Elefteriades, MD • Hamid Mojjibian, MD  
Alison Pouch, MD
- 2:00 PM** **Closing Remarks and Adjournment**  
Joseph E. Bavaria, MD • Munir Boodhwani, MD

## COURSE DIRECTORS

- Joseph E. Bavaria, MD
- Prashanth Vallabhajosyula, MD
- Munir Boodhwani, MD
- John Kelly, MD
- Nimesh Desai, MD, PhD

## FACULTY

**George Arnaoutakis, MD**  
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**Roland Assi, MD, MMS**  
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**Joseph Bavaria, MD**  
Jefferson Health

**Friedhelm Beyersdorf, MD**  
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University

**Munir Boodhwani, MD**  
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**Marko T. Boskovski MD**  
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San Francisco

**William Brinkman, MD**  
Baylor Scott White

**Christopher Burke, MD**  
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**Filip Casselman, MD PhD**  
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**Michael Chu, MD**  
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**Thais Coutinho, MD**  
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**Todd Crawford, MD**  
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**Jared Feinman, MD**  
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**William C. Frankel, MD**  
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**Shinichi Fukuhara, MD**  
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**Thomas Gleason, MD**  
Asheville Heart

**Joshua Grimm, MD**  
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**Ming Guo, MD**  
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**G. Chad Hughes IV, MD**  
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**Hugo Issa, MD**  
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**Prashant Kedia, MD**  
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**John Kelly, MD**  
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**Himanshu Patel, MD**  
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**Edward Percy, MD**

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