AGENDA
FRIDAY, SEPTEMBER 9, 2016

6:45 AM – 7:30 AM Registration/Breakfast

7:30 AM – 7:45 AM
Welcoming Remarks
Joseph E. Bavaria, MD
Munir Boodhwani, MD, MMSc, FRCSC

MORNING SESSION 1
BASIC CONCEPTS IN AORTIC VALVE PRESERVATION AND REPAIR
Moderators: Joseph E. Bavaria, MD and Munir Boodhwani, MD, MMSc, FRCSC

7:45 AM – 8:00 AM
Intraoperative Echocardiographic Analysis of Aortic Valve and Root
John G. Augoustides, MD, FASE, FAHA

8:00 AM – 8:15 AM
Aortic Valve Anatomy and Function
Karen M. Kim, MD

8:15 AM – 8:30 AM
Review of ACC/AHA Guidelines for Management of Aortic Insufficiency: Pitfalls and Nuances
Robert O. Bonow, MD

8:30 AM – 8:45 AM
Surgical Indications for Root and Ascending Aortic Disease: Reconciling the American, Canadian, and European Guidelines
Lars Svensson, MD, PhD

8:45 AM – 9:05 AM
Valve Sparing Root Replacement: Reimplantation Technique - Step by Step
Munir Boodhwani, MD, MMSc, FRCSC

9:05 AM – 9:25 AM
Valve Sparing Root Replacement: Remodeling Technique and External Ring Annuloplasty
Emmanuel Lansac, MD, PhD

9:25 AM – 10:00 AM
Panel Discussion

10:00 AM – 10:30 AM - Break

MORNING SESSION 2
SURGICAL APPROACH TO AORTIC INSUFFICIENCY
Moderators: Joseph E. Bavaria, MD and Joseph S. Coselli, MD

10:30 AM – 10:50 AM
Structural Mechanisms of Aortic Insufficiency and Surgical Approach to Aortic Valve Repair
Munir Boodhwani, MD, MMSc, FRCSC and Benjamin Sohmer MD, MEd, FRCPC

10:50 AM – 11:05 AM
Annular Stabilization Techniques in the Context of Aortic Valve Repair
Prashanth Vallabhajosyula, MD, MS

11:05 AM – 11:45 AM
Aortic Valve Assessment and Repair – Case Based Presentations
(Echo and Surgery; Ottawa/Penn Faculty)
Munir Boodhwani, MD, MMSc, FRCSC, Bradley Leshnower, MD, FACS, Maria Rodriguez, MD, and Benjamin Sohmer MD, MEd, FRCPC

11:45 AM – 11:50 AM
Introduction of Keynote Speaker
Hans-Hinrich Sievers, MD
Joseph E. Bavaria, MD
11:50 AM – 12:15 PM
KEYNOTE LECTURE
An Individualized Approach to the Ascending Aorta in Bicuspid Aortic Valve Disease
Hans-Hinrich Sievers, MD

12:15 PM – 12:40 PM
Panel Discussion

12:40 PM – 1:00 PM
Pick-up Lunch

1:00 PM – 2:00 PM
Working Lunch with Case Presentations by Aortic Fellows:

Complex BAV Repair with External Aortic Ring: Triangular Leaflet Resection with Primary Closure and Extensive Decalcification
Christine Herman, MD

Valve Sparing Root Reimplantation of a Unicusps Valve Variant: 180°/180° Geometric Orientation
Ibrahim Sultan, MD

Valve Sparing Root Reimplantation of Type I BAV: 150°/210° Geometric Orientation
George Arnaoutakis, MD

Complex BAV Leaflet Repair with Valve Sparing Root Reimplantation: 180°/180° Geometric Orientation
Shinichi Fukuhara, MD

Three Cusp Aortic Valve Repair for Eccentric Aortic Insufficiency with Multiple Asymmetric Leaflets: Reimplantation Procedure
George Arnaoutakis, MD

2:00 PM – 2:10 PM - Break

2:10 PM – 2:25 PM
Geometric Orientation of the Aortic Neoroot in Type I Bicuspid Aortic Valve Sparing Root Reimplantation
Joseph E. Bavaria, MD

2:25 PM – 2:40 PM
Bicuspid Aortic Valve Repair in the Setting of Severe Aortic Insufficiency: Live-in-box Presentation
Edward Chen, MD

2:40 PM – 2:55 PM
Bicuspid Aortic Valve Repair With External Subannular Ring – Surgical Approach and Echocardiographic Evaluation
Joseph E. Bavaria, MD
Bonnie Milas, MD

2:55 PM – 3:15 PM
Radical Bicuspid Aortic Valve Repair – Type I to Type 0 Conversion: Live-in-box Presentation and Outcomes
Thomas Gleason, MD

3:15 PM – 3:30 PM
Sievers Type I Right-left Conjoint Cusp Bicuspid Aortic Valve Repair: Step-by-step Approach
Gebrine El Khoury, MD

3:30 PM – 3:55 PM
Panel Discussion

3:55 PM – 4:25 PM  ~ Break

3:55 PM – 4:25 PM

2:00 PM – 2:10 PM - Break
2nd North American Aortic Valve Repair Symposium

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**AFTERNOON SESSION 2**

**OUTCOMES AND ALTERNATIVES TO AORTIC VALVE REPAIR**

Moderators: Joseph E. Bavaria, MD and Joseph S. Coselli, MD

4:25 PM – 4:40 PM
**Valve Sparing Versus Composite Replacement in Marfan Syndrome**
Joseph S. Coselli, MD

4:40 PM – 4:55 PM
**Midterm Outcomes With BAV Repair With Valve Sparing Root Reimplantation Versus Bentall Root Replacement for Aortic Insufficiency With Root Aneurysm**
Prashanth Vallabhajosyula, MD, MS

4:55 PM – 5:10 PM
**Bentall Procedure in 2016: Valve and Conduit Choice, Techniques, Tips, and Tricks**
Wilson Y. Szeto, MD

5:10 PM – 5:25 PM
**The Ross Procedure: When and How?**
Hans-Hinrich Sievers, MD

5:25 PM – 5:40 PM
**Transcatheter Aortic Valve Replacement – TAVR – for Complex Aortic Valvular Conditions**
Wilson Y. Szeto, MD

5:40 PM – 6:10 PM
**CTSNet Round Table Discussion: Threshold for Aortic Replacement in Bicuspid Aortic Valve**
Joseph E. Bavaria, MD, Munir Boodhwani, MD, MMSc, FRCSC, Edward Chen, MD, Joseph S. Coselli, MD, Gebrine El Khoury, MD, Himanshu Patel, MD, Thomas Gleason, MD, and Hans-Hinrich Sievers, MD

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**6:10 PM - 6:45 PM**

**Reception**

Liberté
1st Floor - Sofitel Philadelphia
AGENDA
SATURDAY, SEPTEMBER 10, 2016

7:00 AM – 7:45 AM Registration/Breakfast

7:45 AM – 8:00 AM
Opening Remarks
Joseph E. Bavaria, MD

MORNING SESSION 1
ADVANCED CONCEPTS IN AORTIC VALVE REPAIR
Moderators: Edward P. Chen, MD and Wilson Y. Szeto, MD

8:00 AM – 8:15 AM
Three-dimensional Echocardiography for Aortic Valve Anatomy
Benjamin Sohmer MD, MEd, FRCPC

8:15 AM – 8:30 AM
Trileaflet Aortic Valves with Root Dilatation and Severe AI: Live-in-box
Joseph E. Bavaria, MD and Munir Boodhwani, MD, MMSc, FRCSC

8:30 AM – 8:45 AM
Aortic Valve Sparing Surgery in Emergent Situations: Live-in-box Presentation and Outcomes Analysis
Himanshu Patel, MD

8:45 AM – 8:50 AM
Introduction of Honorary Speaker: Gebrine El Khoury, MD
Joseph E. Bavaria, MD

8:50 AM – 9:20 AM
HONORARY LECTURE
Managing the AV Annulus: Experience Over Two Decades
Gebrine El Khoury, MD

9:20 AM – 9:30 AM
When NOT to do Aortic Valve Repair: Review of the World Literature
Nimesh Desai, MD, PhD

9:30 AM – 9:40 AM
Aortic Valve Repair: The Mayo Clinic Experience
Alberto Pochettino, MD

9:40 AM – 9:55 AM
Aortic Annuloplasty, Effective Height and Geometric Height to Standardize Cusp Repair
Emmanuel Lansac, MD, PhD

9:55 AM – 10:15 AM
Panel Discussion

10:15 AM – 10:45 AM ~ Break

10:45 AM – 10:55 AM
Unicuspid Aortic Valve Repair: Live-in-box
Munir Boodhwani, MD, MMSc, FRCSC

10:55 AM – 11:50 AM
Cased-based Presentation of Aortic Valve Repair Failures: Echocardiographic and Surgical Evaluation
John Augoustides, MD, FASE, FAHA, Munir Boodhwani, MD, MMSc, FRCSC, Emmanuel Lansac, MD, PhD, Benjamin Sohmer, MD, Med, FRCPC, and Prashanth Vallabhajosyula, MD, MS

11:50 AM – 12:05 PM
Managing Cusp Restriction and Calcification
Gebrine El Khoury, MD

12:05 PM – 12:50 PM
Panel Discussion and Closing Remarks

12:50 PM
Adjourn