

Thursday, March 16, 2023

7:00 – 7:45 AM

Continental Breakfast, Registration, and View Exhibits

7:45 – 7:50 AM

Introduction

Hazim J. Safi, MD, and David D. McPherson, MD

7:50 – 8:00 AM

Opening Remarks

Anthony Estrera, MD, Ali Azizzadeh, MD

SESSION I:

Moderators:

Structural Heart

Danny Ramzy, MD, PhD, Jo Chikwe, MD, FRCSC

8:00 – 8:08 AM

STS/ACC/TVT TAVR Dataset

Joseph Bavaria, MD

8:09 – 8:17 AM

State of the Art TAVR in 2023

Abhijeet Dhoble, MD

8:18 – 8:26 AM

Mitral Transcatheter Edge to Edge (TEER) or Surgery for P2 Prolapse

Jo Chikwe, MD, FRCSC

8:27 – 8:35 AM

Robotic Cardiac Surgery: Expanding Indications

T. Sloane Guy, MD, MBA

8:36 – 8:44 AM

Increased Use of Aortic Bioprosthesis: Valve Degeneration and Long Term Results

Dimitrios Iliopoulos, MD

8:45 – 8:53 AM

Why, How, and When Should Cardiac Surgeons Learn Trans-Septal Access for Mitral Valve Procedures

Evelio Rodriguez, MD

8:54 – 9:02 AM

How to Teach Robotic Mitral Surgery

Danny Ramzy, MD, PhD

9:03 – 9:11 AM

Robotic Totally Endoscopic Coronary Bypass with BITA Grafts

Husam Balkhy, MD, FACS

The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases
The Fifteenth in the Series

March 16, 17 & 18, 2023
Houston, Texas

9:12 – 9:20 AM	Pulmonary Artery Hypertension: A Silent and Deadly Disease <i>Bindu Akkanti, MD</i>
9:21 – 9:29 AM	Computational Modeling of Aortic Valves <i>Vijay Govindarajan, PhD</i>
9:30 – 10:00 AM	Panel Discussion
10:00 – 10:30 AM	Break / View Exhibits
SESSION II: Moderators:	Aortic Root/BAV <i>Joseph Bavaria MD, Akiko Tanaka, MD, PhD</i>
10:30 – 10:38 AM	Valve Sparing Root in BAV <i>Joseph Bavaria, MD</i>
10:39 – 10:47 AM	The Ross Procedure <i>Ismail El-Hamamsy, MD, PhD</i>
10:48 – 10:56 AM	Updates of Y-Incision Aortic Annular Enlargement <i>Bo Yang, MD, PhD</i>
10:57 – 11:05 AM	Extended Law of Laplace Aids in Evaluating Size of the Aortic Root: Implications for Diagnostic Imaging and Intervention <i>Bulat Ziganshin, MD, PhD</i>
11:06 – 11:14 AM	The Endo-Bentall: The Future Is Now <i>Bradley G. Leshnowar, MD</i>
11:15 – 11:23 AM	Redo Aortic Root Surgery <i>Edward Chen, MD</i>
11:24 – 11:32 AM	An Overview of the Latest FDA Thoracic Aortic Devices <i>Ourania Preventza, MD, MBA, FACS</i>
11:33 AM – 12:00 PM	Panel Discussion
12:00 – 1:00 PM	Lunch – La Vista Room, 21st Floor <u>Lunch Lecture:</u> John Ritter Foundation for Aortic Health <i>Amy Yasbeck</i>

SESSION III:

Ascending Aorta

Moderators:

Himanshu Patel, MD, Holly Smith, MD, MBA, FRCSC

1:10 – 1:18 PM

“Non-Size” Indications for Aortic Intervention

John Elefteriades, MD

1:19 – 1:27 PM

Biomechanical Properties of the Aorta: From the Bench to Clinical Practice

Dimitrios Iliopoulos, MD

1:28 – 1:36 PM

Uncovered Stents for Type A Dissection - Pros and Cons

Maral Ouzounian, MD, PhD

1:37 – 1:45 PM

Computational Flow Dynamics to Understand Mechanics of Aortic Disease

Himanshu Patel, MD

1:46 – 1:54 PM

Rapid Cooling for Circulatory Arrest in Aortic Surgery

Holly Smith, MD, MBA, FRCSC

1:55 – 2:03 PM

Adverse Outcome in Acute Type A Dissections

Marek Ehrlich, MD

2:04 – 2:12 PM

History of Aortic Arch Surgery

Steven Lansman, MD, PhD

2:13 – 2:21 PM

Endovascular Treatment of the Ascending Aorta

Aamir Shah, MD

2:22 – 2:45 PM

Panel Discussion

2:45 – 3:15 PM

Break / View Exhibits

SESSION IV:

Transverse Arch

Moderators:

Maral Ouzounian, MD, PhD, Mark Farber, MD

3:15 – 3:23 PM

ARCH-ARC Consensus: Developing Standardized Nomenclature

Nimesh Desai, MD, PhD

3:24 – 3:32 PM

Cerebral Protection Methods - Where Do We Stand in 2023?

Marek Ehrlich, MD

- 3:33 – 3:41 PM **Commercial Hybrid Arch FET Grafts Post FDA Certification: Lessons From 12 Years of Experience in Europe**
Malakh Shrestha, MBBS, PhD
- 3:42 – 3:50 PM **Do We Really Need Total Arch Frozen Elephant Trunk for Every Patient in Acute Type A Aortic Dissection**
Bo Yang, MD, PhD
- 3:51 – 3:59 PM **Arch Endovascular Repair: Tips and Tricks**
Mark Farber, MD
- 4:00 – 4:08 PM **Update on Use of Inner Branch Stent-Grafts for Aortic Arch Lesions**
Carlos Timaran, MD
- 4:09 – 4:17 PM **Endovascular Repair of Aortic Arch Pathology Aortic Dual Branch TEVAR Early Feasibility Study in the US**
Wilson Szeto, MD
- 4:18 – 4:26 PM **Overcoming Barriers for a Diverse Population in Clinical Trials**
Vincent Rowe, MD
- 4:27 – 4:35 PM **AI-Based Aortic Analysis and the Virtual Patient – ViTAA and VAM Modeling for the Aortic Clinician**
Randy Moore, MD, FACS, FRCSC
- 4:36 – 4:44 PM **Mycotic Aneurysms: Open vs. Endovascular...or the Best of Both Worlds?**
Morad Sallam, MD, MSc, PhD
- 4:45 – 4:53 PM **Update on In Situ Laser Fenestration of Arch Branches**
Jean Panneton, MD, FRCSC
- 4:54 – 5:15 PM **Panel Discussion**

Friday, March 17, 2023

6:45 – 7:45 AM

Breakfast Symposium

Sponsored by Medtronic

This satellite symposium is not included in CME hours

21st Floor, La Vista Room

Optimizing Seal in Challenging TEVAR Cases

Faculty:

Ali Azzizadeh, MD

Bradley G. Leshnowar, MD

Jean Panneton, MD, FRCSC

7:00 – 7:50 AM

Continental Breakfast and View Exhibits

SESSION V:

Moderators:

The Aorta: Get with the Guidelines

Joseph Bavaria, MD, Ourania Preventza, MD, MBA, FACS

8:00 – 8:08 AM

**Updates on AHA Aortic Guidelines Part 1
(As It Relates to the Vascular Surgeon)**

James Black, MD

8:09 – 8:17 AM

**Updates on AHA Aortic Guidelines Part 2
(As it Relates to the Cardiac Surgeon)**

Ourania Preventza, MD, MBA, FACS

8:18 – 8:26 AM

**Updates on AHA Aortic Guidelines Part 3
(As it Relates to the Cardiologist Geneticist)**

Dianna Milewicz, MD, PhD

8:27 – 9:30 AM

Round Table

Moderator: *Joseph Bavaria, MD*

Panel: *James Black, MD*

Christopher Burke, MD

Dianna Milewicz, MD, PhD

Gustavo S. Oderich, MD

Ourania Preventza, MD, MBA, FACS

9:30 – 10:00 AM

Break / View Exhibits

SESSION VI:

Aortic Dissection

Moderators:

Ali Azizzadeh, MD, Karen Kim, MD, MS

10:00 – 10:08 AM

Evolution of the Classification System for Aortic Dissection

Karen Kim, MD, MS

10:09 – 10:17 AM

Molecular Triggers of Acute Aortic Dissections: Findings From the Leducq Network of Excellence

Dianna Milewicz, MD, PhD

10:18 – 10:26 AM

The Value of a Vascular Surgeon to a Health System: Creating the Vascular X-Factor

Joseph Lombardi, MD, MBA

10:27 – 10:35 AM

Candy Plug to Induce False Lumen Thrombosis after Type B Aortic Dissection

Ali Azizzadeh, MD

10:36 – 10:44 AM

The AMDS Bare Stent Device for Open Repair of Acute DeBakey Type I Aortic Dissection with Malperfusion - The PERSEVERE Trial

Wilson Y. Szeto, MD, FACC

10:45 – 10:53 AM

Acute and Chronic Aortic Dissection

Davide Pacini, MD

10:54 – 11:02 AM

Time for a Randomized Trial on Uncomplicated Type B Aortic Dissection is Now: When, How, and Why

Firas Mussa, MD, MS, FACS

11:03 – 11:11 AM

Branch Vessel Intervention in Aortic Dissection: Timing, Indications, and Impact

Eanas S. Yassa, MD, FACS, RPVI

11:12 – 11:20 AM

Cerebral Protection for Type A Aortic Dissection Patients

Gabrielle Di Luozzo, MD

11:21 – 11:50 AM

Panel Discussion

11:50 AM – 12:50 PM

Lunch – La Vista Room, 21st Floor

Lunch Tributes

Introduction

Hazim J. Safi, MD

Tribute to Dr. Randall B. Griep

Steven Lansman, MD

Tribute to Dr. Hans G. Borst

Malakh Shrestha, MBBS, PhD

SESSION VII:

Moderators:

AAA/Physiology/Pathology

Rana Afifi, MD, and Dianna Milewicz, MD, PhD

1:00 – 1:08 PM

EVAR Explant Series

Francis Caputo, MD

1:09 – 1:17 PM

**Sex/Gender Disparities in Outcomes of Aortic Dissection:
The Houston Experience**

Rana Afifi, MD

1:18 – 1:26 PM

Artificial Intelligence in Predicting Behavior of Aortic Aneurysms

Sharon Kiang, MD

1:27 – 1:35 PM

**The Abdominal Aorta, Iliac, and Splenic Arteries in Vascular
Ehlers-Danlos Syndrome**

Sherene Shalhub, MD, MPH

1:36 – 1:44 PM

**A Multicenter Randomized Clinical Trial of Exercise in Aortic
Dissection Survivors**

Siddharth Prakash, MD, PhD

1:45 – 1:53 PM

**Using a Multifactorial Risk Model to Counsel Patients with
Aortic Disease**

Alana Cecchi, MS, CGC

1:54 – 2:02 PM

Antiplatelet /Anticoagulation Management after IVC Reconstruction

Sophia Khan, MD

2:03 – 2:11 PM

Venous Disease in Collagen Vascular Disorders

Sheila Coogan, MD, FACS, RPVI

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2:12 – 2:20 PM **Pioneering Equitable Vascular Care**
Lyssa Ochoa, MD, FACS, FSVS

2:21 – 2:40 PM **Panel Discussion**

2:40 – 3:10 PM **Break / Visit Exhibits**

SESSION VIII:

Moderators:

DTAA/TAAA

Gustavo S. Oderich, MD, Sabine Wipper, MD, PhD

3:10 – 3:18 PM **Management of Aortic Coarctation on the Pediatric Population**
Mario Castro-Medina, MD

3:19 – 3:27 PM **Thoracoabdominal Hybrid Repair - From Bench to Bedside**
Sabine Wipper, MD, PhD

3:28 – 3:36 PM **Renal Protection in TAAA: The Barts Experience**
Aung Oo, FRCSEd(CTh)

3:37 – 3:45 PM **The Value of Motor Evoked Potentials in TAAA Repair**
Michael Jacobs, MD

3:46 – 3:54 PM **C-EVAR for Connective Tissue Disorder**
Gustavo S. Oderich, MD

3:55 – 4:03 PM **Tips and Tricks for F/B-EVAR in Post Dissection TAAA**
Javairiah Fatima, MD, FACS, DFSVS

4:04 – 4:12 PM **Endovascular Repair of Complex Aneurysms When Custom
Manufactured Devices Are Not an Option**
Aleem Mirza, MD

4:13 – 4:21 PM **Spinal Cord Ischemia in the U.S. Aortic Research Consortium**
Adam Beck, MD

4:22 – 4:30 PM **Spinal Cord Protection during TAAA Repair**
Akiko Tanaka, MD, PhD

4:31 – 4:39 PM **Open TAAA: Experience Over 40 Years**
Hazim J. Safi, MD

4:39 – 5:00 PM **Panel Discussion**

Saturday, March 18, 2023

7:30 – 8:25 AM **Continental Breakfast & Registration**

8:25 – 8:30 AM **Opening Remarks**

SESSION IX:

Moderators:

ABSTRACT SESSION

Charles C. Miller III, PhD, Akiko Tanaka, MD, PhD, S. Keisin Wang, MD

8:30 – 8:35 AM

Abstract #101

Surgical Treatment of Poststenotic Aneurysms of Ascending Aorta

Volodymyr Popov, MD, PhD, DMSc

8:36 – 8:41 AM

Abstract #129

Comparison of Physician-Modified Endografts with and Without Low-Profile Fabric Designs for Repair of Complex Abdominal and Thoracoabdominal Aortic Aneurysms

Jesse Chait, DO

8:42 – 8:47 AM

Abstract #128

Open, Closed or a Bit of Both: A Meta-Analysis of Staged Thoraco-Abdominal Aortic Aneurysm Repair

Benjamin Muston

8:48 – 8:53 AM

Abstract #122

Endoconduit Using Iliac Branch Device to Preserve Hypogastric Flow during Endovascular Repair of Thoracoabdominal Aortic Aneurysms

Guilherme Barbosa-Lima, MD, PhD

8:54 – 8:59 AM

Abstract #121

External Validation of Artificial Intelligence Aided Risk Group Stratification of Incidental Abdominal Aortic Aneurysms in Tertiary Center

Valentyna Kostiuk, BA

9:00 – 9:05 AM

Abstract #126

Mural Thrombus is Associated with Infrarenal Abdominal Aortic Aneurysm Sac Regression

Sean Harris, MD

- 9:06 – 9:11 AM Abstract #118
Fungal Ball in the Ascending Aorta: A Case Report of Disseminated Histoplasmosis 20 Years after Aneurysm Repair
Defne Gunes Ergi, MD
- 9:12 – 9:17 AM Abstract #107
Endovascular Electrocautery Septostomy and Fenestration for Chronic Distal Aortic Dissections
Kaitlyn Dobesh, MD, JD
- 9:18 – 9:23 AM Abstract #130
Innovative, Staged Hybrid Approach for Extensive Aneurysmal Dilatation Post Type B Dissection in a Young, High-Risk Marfan Patient – A Case Report
Isabel-Cathérine Demel, MBBS (Hons)
- 9:24 – 9:29 AM Abstract #110
Total Arch Replacement is as Safe as Hemiarch Repair in Acute Type A Aortic Dissection: Retrospective Cohort Study
Julián Senosiain, MD
- 9:30 – 9:35 AM Abstract #115
Safety Evaluation of Different Cannulation Sites in Acute Type A Aortic Dissection Procedures
Julián Senosiain, MD
- 9:36 – 9:41 AM Abstract #114
The Role of Delayed Aortic Surgery in Type A Aortic Dissection and Mesenteric Ischemia: A Systematic Review and Meta-Analysis
Aditya Eranki, MD
- 9:42 – 9:47 AM Abstract #112
Mortality in Acute Type A Aortic Dissection Complicated by Limb Ischemia, A Systematic Review and Meta Analysis
Aditya Eranki, MD
- 9:48 – 9:53 AM Abstract #116
Aortotomy Closure after Cardiac Valve Replacements: Nightmare for Surgeons?
Dharmendra Kumar Srivastava, MCh
- 9:53 – 10:15 AM **Break**

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- 10:15 – 10:20 AM Abstract #103
Isolated Mitral Stenoses Complicated Massive Thromboses of Left Atrium
Volodymyr Popov, MD, PhD, DMSc
- 10:21 – 10:26 AM Abstract #104
Arch Plasty of Left Atrium for Moderate Dilatation of Left Atrium: Is It Necessary?
Volodymyr Popov, MD, PhD, DMSc
- 10:27 – 10:32 AM Abstract #102
Plasty of Left Atrium for Atriomegaly During Mitral Valve and Mitral-Aortic Valve Correction
Volodymyr Popov, MD, PhD, DMSc
- 10:33 – 10:38 AM Abstract #123
Intravascular Lithotripsy to Address Calcific Aortic Disease
Christina Supino, DO, MPH
- 10:39 – 10:44 AM Abstract #119
Aortic Insufficiency from Graft Failure - A Deadly Delayed Diagnosis
Ben Borokhovsky, MD
- 10:45 – 10:50 AM Abstract #127
Repair of Coarctation of the Aorta and Post Repair Complications in the Adult
Kirsten Zborek, MD
- 10:51 – 10:56 AM Abstract #117
Case Presentation: Staged Resection of Locally Invasive Thymic Squamous Cell Carcinoma
Eric Yu Wei Lo, MBBS, MSc
- 10:57 – 11:02 AM Abstract #105
Surgical Treatment of Myxomas of the Heart
Volodymyr Popov, MD, PhD, DMSc
- 11:03 – 11:08 AM Abstract #125
Aortic Size Index in Women – Worth the Math?
Gregor Siegl, MD
- 11:09 – 11:14 AM Abstract #120
The Inoperable Aortic Valve
John Breaux, MD

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- 11:15 – 11:20 AM Abstract #113
Systematic Review and Meta-Analysis of Mid-Term Survival, Reoperation, and Recurrent Mitral Regurgitation for Robotic-Assisted Mitral Valve Repair
Aditya Eranki, MD
- 11:21 – 11:26 AM Abstract #111
Immediate Limb Revascularization in Type A Aortic Dissection with Acute Limb Ischemia: A Case Report
Aditya Eranki, MD
- 11:27 – 11:32 AM Abstract #109
False Lumen Flow in Head Vessels Post Dissection Repair is Associated with Distal Aortic Expansion
Ryaan EL-Andari, MD
- 11:33 – 11:38 AM Abstract #124
Role of Endovascular and Medical Intervention in Mycotic Aortic Aneurysms and Aortic Stent Graft Salvage
Jake Nicholson, DO
- 11:39 – 11:44 AM Abstract #108
Type A Aortic Dissection after Abdominal Solid Organ Transplantation: Population-Level Outcomes in the United States
Yunda (George) Wang, MS, BS
- 11:45 AM – 11:50 AM **Closing Remarks**
Hazim J. Safi, MD, and David D. McPherson, MD