

The Houston Aortic Symposium  
Frontiers in Cardiovascular Diseases  
The Fourteenth in the Series  
March 10, 11 & 12, 2022

## Thursday, March 10, 2022

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7:00 – 7:50 AM	<b>Continental Breakfast, Registration, and View Exhibits</b>
7:50 – 8:00 AM	<b>Introduction &amp; Opening Remarks</b> <i>Hazim J. Safi, MD, and David D. McPherson, MD</i>
<b>SESSION I:</b>	<b>Structural Heart</b>
<u>Moderators:</u>	<i>Joanna Chikwe, MD, FRCS, Tom C. Nguyen, MD</i>
8:00 – 8:08 AM	<b>Transcatheter Valve-in-Valve vs. Redo AVR in Low-Intermediate Risk Patients with Aortic Stenosis</b> <i>Michael Mack, MD, MACC</i>
8:09 – 8:17 AM	<b>Data For and Against Transcatheter Mitral Repair in Low-Intermediate Risk Patients</b> <i>Joanna Chikwe, MD, FRCS</i>
8:18 – 8:26 AM	<b>Cross Clamp vs. VFib Arrest Beating Heart for Complex Mitral Surgery</b> <i>Niv Ad, MD</i>
8:27 – 8:35 AM	<b>Mechanical vs. Biological Prosthesis for Replacement in Endocarditis</b> <i>Juan Abreu, MD</i>
8:36 – 8:44 AM	<b>Summary of the TAVR Literature: What We Know and Don't Know</b> <i>Harsh Agrawal, MD, FACC</i>
8:45 – 8:53 AM	<b>A Surgeon's Perspective in Building a Comprehensive Valve Program: The Marriage Between Transcatheter, Robotics, and Sternotomy Approaches</b> <i>Evelio Rodriguez, MD, FACC</i>
8:54 – 9:02 AM	<b>Thoracoscopic Harvest of Bilateral Internal Mammary Arteries – Tips and Tricks</b> <i>Rodrigo de Souza, MD</i>

9:03 – 9:11 AM	<b>Complications in Robotic Mitral Surgery: How to Avoid, When to Convert?</b> <i>Danny Ramzy, MD, PhD, FACC</i>
9:12 – 9:20 AM	<b>Minimally Invasive MAZE Operation – Pearls and Pitfalls</b> <i>Marc Gerdisch, MD, FACS, FACC, FHRS</i>
9:21 – 9:29 AM	<b>Robotic Mitral Surgery – This is How I Do It</b> <i>Eugene Grossi, MD</i>
9:30 – 9:38 AM	<b>Advantages of a Concomitant Vascular and Cardiothoracic Surgery Training</b> <i>Jennifer Perri, MD, MBA</i>
9:39 – 10:00 AM	<b>Panel Discussion</b>
10:00 – 10:20 AM	<b>Break / Visit Exhibits</b>
<b>SESSION II:</b> <u>Moderators:</u>	<b>Aortic Root/BAV</b> <i>Joseph Bavaria, MD, FRCS(Edin), Ourania Preventza, MD</i>
10:21 – 10:28 AM	<b>Valve Sparing Root in BAV</b> <i>Joseph Bavaria, MD, FRCS(Edin)</i>
10:29 – 10:37 AM	<b>Aortic Valve Repair Using Annuloplasty Ring</b> <i>S. Chris Malaisrie, MD, FACC</i>
10:38 – 10:46 AM	<b>Novel Aortic Root Enlargement with Y-Incision/Rectangular Patch to Enlarge the Annulus by 3-4 Valve Sizes</b> <i>Bo Yang, MD, PhD</i>
10:47 – 10:55 AM	<b>Ross Procedure</b> <i>Mario Castro-Medina, MD</i>
10:56 – 11:04 AM	<b>Minimally Invasive Treatment of the Ascending Aorta and Root</b> <i>Vincent Gaudiani, MD</i>
11:05 – 11:13 AM	<b>Update on the Florida Sleeve</b> <i>Tomas Martin, MD</i>
11:14 – 11:22 AM	<b>Elongation of the Aorta</b> <i>Dimitrios Iliopoulos, MD</i>
11:23 – 11:50 AM	<b>Panel Discussion</b>
11:50 AM – 1:00 PM	<b>Lunch - La Vista Room, 21<sup>st</sup> Floor</b>

### **SESSION III:**

Moderators:

### **Ascending Aorta/Aortic Dissection (Proximal)**

*Maral Ouzounian, MD, PhD, FRCSC, Eric Roselli, MD*

1:10 – 1:18 PM

#### **Which is Worse: Root or Ascending Dilation?**

*John Eleftheriades, MD, PhD (hon)*

1:19 – 1:27 PM

#### **From Novel Operation, The Branched Stented Anastomosis Frozen Elephant Trunk Repair (B-SAFER) PS-IDE to Novel Device (PHASTER/Neo LSA EFS) for Hybrid Total Arch Replacement**

*Eric Roselli, MD*

1:28 – 1:36 PM

#### **Uncovered Stents for Type A Dissection – Pros and Cons**

*Maral Ouzounian, MD, PhD, FRCSC*

1:37 – 1:45 PM

#### **Ascending Aortic TEVAR**

*Himanshu Patel, MD, FACC*

1:46 – 1:54 PM

#### **Extended Repair in Type A Aortic Dissection: Zone 2, FET or Hybrid?**

*Nimesh Desai, MD, PhD*

1:55 – 2:03 PM

#### **Surveillance Imaging After Hemiarch: After the First One, Is It Useful?**

*T. Brett Reece, MD, FACC*

2:04 – 2:30 PM

#### **Panel Discussion**

2:30 – 3:00 PM

#### **Break / Visit Exhibits**

### **SESSION IV:**

Moderators:

### **Aortic Disease in Women**

*Rana Afifi, MD, Dianna Milewicz, MD, PhD,*

*Sherene Shalhub, MD, MPH, FACS*

3:00 – 3:08 PM

#### **Aortic and Vascular Disease in Turner Syndrome**

*Siddharth Prakash, MD, PhD*

3:09 – 3:17 PM

#### **Aortic Dissection in Young Women**

*Alana Cecchi, MS, CGC*

3:18 – 3:26 PM

#### **IRAD – Aortic Dissection in Pregnancy**

*Alan Braverman, MD, FACC*

3:27 – 3:35 PM

#### **Obstetric Consideration in Managing Aortic Disease During Pregnancy**

*Melissa Russo, MD*

- 3:36 – 3:44 PM      **Aortic Surgery in Pregnancy**  
*Steven Lansman, MD, PhD*
- 3:45 – 3:53 PM      **Sex Related Differences in Thoracic Aortic Surgery**  
*Jennifer Chung, MD, MSc*
- 3:54 – 4:02 PM      **Sex Differences in Mortality and Morbidity in Elective EVAR**  
*Young Erben, MD*
- 4:03 – 4:11 PM      **Evolution of Gender Related Outcomes in AAA Repair**  
*Ageliki George Vouyouka, MD, FACS, RPVI*
- 4:12 – 4:20 PM      **Sex Hormone Expression in AAA**  
*Rebecka Hultgren, MD*
- 4:21 – 4:29 PM      **Gender Differences in Hereditary Aortopathies**  
*Sherene Shalhub, MD, MPH, FACS*
- 4:30 – 4:38 PM      **The Multidisciplinary Approach to Managing Women with Aortic Disease**  
*Rana Afifi, MD*
- 4:39 – 4:47 PM      **Update on Gene Based Management for Heritable Thoracic Aortic Disease**  
*Dianna Milewicz, MD, PhD*
- 4:48 – 5:00 PM      **Panel Discussion**
- 5:00 PM              **Adjourn**

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**Friday, March 11, 2022**

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7:00 – 8:00 AM

**Continental Breakfast and View Exhibits**

**SESSION V:**

Moderators:

**Aortic Dissection (Distal)**

*Ali Azizzadeh, MD, Joseph Lombardi, MD,  
Maral Ouzounian, MD, PhD, FRCSC*

8:00 – 8:08 AM

**IMH/PAU**

*Jean M. Panneton, MD, FRCSC, FACS*

8:09 – 8:17 AM

**Managing Malperfusion Syndrome in Acute Type A Dissection:  
The Michigan Way**

*Bo Yang, MD, PhD*

8:18 – 8:26 AM

**TEVAR – 1<sup>st</sup> for Acute Type A Dissection with Mesenteric  
Malperfusion**

*Bradley Leshnower, MD*

8:27 – 8:35 AM

**Petticoat for Type B Aortic Dissection**

*Joseph Lombardi, MD*

8:36 – 8:44 AM

**Treatment of Uncomplicated Acute Type B Dissection:  
What's the Evidence?**

*Ourania Preventza, MD*

8:45 – 8:53 AM

**Optimal Timing of Intervention in TBAD**

*Ali Azizzadeh, MD*

8:54 – 9:02 AM

**F/B-EVAR for Dissection**

*Matthew Eagleton, MD*

9:03 – 9:11 AM

**Research Priorities Report from the Aortic Dissection Collaborative**

*Sherene Shalhub, MD, MPH, FACS*

9:12 – 9:50 AM

**Panel Discussion**

9:50 – 10:20 AM

**Break / Visit Exhibits**

## **SESSION VI:**

Moderators:

### **Transverse Arch**

*Himanshu Patel MD, FACC, Akiko Tanaka MD, PhD*

10:20 – 10:28 AM

#### **Physiologic Impacts of TEVAR Using Computational Fluid Dynamics**

*Himanshu Patel, MD, FACC*

10:29 – 10:37 AM

#### **Management of Chronic Residual Distal Dissection After Acute Type A Repair**

*G. Chad Hughes, MD*

10:38 – 10:46 AM

#### **Endovascular Repair of Aortic Arch Aneurysms: Premanufactured vs. Modified**

*Carlos Timaran, MD*

10:47 – 10:55 AM

#### **Total Endovascular Arch Repair: Strategic Decision Making and Technical Limitations**

*Nimesh Desai, MD, PhD*

10:56 – 11:04 AM

#### **Frozen Elephant Trunk - Only a Toy for the Big Boys**

*Marek Ehrlich, MD*

11:05 – 11:13 AM

#### **Somatic Genetic Variation Contributes to Bicuspid Aortic Valve Disease**

*Siddharth Prakash, MD, PhD*

11:14 – 11:22 AM

#### **Re-Operative Aortic Arch**

*Alberto Pochettino, MD*

11:23 – 11:31 AM

#### **Adjunct Endovascular Techniques to Facilitate Landing Zones in Chronic Type B**

*Bradley Leshnower, MD*

11:32 – 11:55 AM

#### **Panel Discussion**

11:55 AM – 12:55 PM

**Lunch - La Vista Room, 21<sup>st</sup> Floor**

## **SESSION VII:**

Moderator:

### **DTAA/TEVAR/EVAR**

*Aamir Shah, MD, FACS*

1:00 – 1:08 PM

#### **Artificial Intelligence Based Automatic Aortic Risk Calculator**

*John Elefteriades, MD, PhD (hon)*

1:09 – 1:17 PM

#### **STS DTAA and TAAA Database**

*Aamir Shah, MD, FACS*

1:18 – 1:26 PM

#### **Repositioning Aortic Endografts: A Bailout Technique**

*William Jordan, MD*

- 1:27 – 1:35 PM **Role of TEVAR for CTBAD**  
*G. Chad Hughes, MD*
- 1:36 – 1:44 PM **Traumatic Aortic Injury – Results from the Aortic Trauma Foundation (ATF): An International Prospective Registry**  
*Joseph DuBose, MD*
- 1:45 – 1:53 PM **Outcomes of Iliac Branched Devices and What is Next in the Evolution of Iliac Preservation?**  
*Darren Schneider, MD*
- 1:54 – 2:02 PM **Exercise and the Aorta**  
*Steven Lansman, MD, PhD*
- 2:03 – 2:11 PM **The Multidisciplinary Team Approach for the Management of Complex Aortic Arch, Thoracic and Thoraco-Abdominal Aortic Disease**  
*Randy Moore, MD, FRCSC, FACS*
- 2:12 – 2:39 PM **Panel Discussion**
- 2:40 – 3:00 PM **Break / Visit Exhibits**
- SESSION VIII:**  
Moderators:
- TAAA**  
*Javairiah Fatima, MD, Gustavo S. Oderich, MD*
- 3:00 – 3:08 PM **Options for Dealing with Loss of Seal After F/BEVAR – Open Explants and FB - EVAR**  
*Barend Mees, MD, PhD, FEBVS*
- 3:09 – 3:17 PM **Pitfalls of Planning F/BEVAR for Chronic Dissection**  
*Bijan Modarai, PhD, FRCS*
- 3:18 – 3:26 PM **Prevention of SCI Following F/BEVAR**  
*Matthew Eagleton, MD*
- 3:27 – 3:35 PM **Spinal Cord Ischemia in the US Aortic Research Consortium**  
*Adam Beck, MD*
- 3:36 – 3:44 PM **Secondary Interventions After FEVAR – How Does it Compare to Open Surgical Repair**  
*Mark Farber, MD*
- 3:45 – 3:53 PM **F/BEVAR in Connective Tissue Disorders**  
*Gustavo S. Oderich, MD*

- 3:54 – 4:02 PM      **Acute Kidney Injury Risk and How to Optimize Renal Outcomes with F/BEVAR**  
*Javairiah Fatima, MD*
- 4:03 – 4:11 PM      **Neuromonitoring for TAAA**  
*Akiko Tanaka, MD, PhD*
- 4:12 – 4:20 PM      **Anesthetic Concerns for Open TAAA Repair**  
*Shao Feng Zhou, MD*
- 4:21 – 4:29 PM      **Open TAAA: Experience Over 40 Years**  
*Hazim J. Safi, MD*
- 4:30 – 5:00 PM      **Panel Discussion**
- 5:00 PM              **Adjourn**



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**Saturday, March 12, 2022**

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, Holly Smith, MD, Akiko Tanaka MD, PhD*

8:30 – 9:30 AM                      Oral Abstract Presentations

9:30 – 10:00 AM                      Break

10:30 – 11:25 AM                      Oral Abstract Presentations

11:26 – 11:30 AM                      **Closing Remarks**  
*Hazim J. Safi, MD, and David D. McPherson, MD*