

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

Thursday, March 10, 2022

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

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

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 Elefteriades, 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

6:45 – 7:45 AM

Breakfast Symposium

Sponsored by Medtronic

This satellite symposium is not included in CME hours

21st Floor, La Vista Room

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 – 1st for Acute Type A Dissection with Mesenteric
Malperfusion**

Bradley Leshnowar, 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, 21st 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 **Factors Affecting Selection of Fenestrations or Branches: Gap, Vessel Orientation and Angulation**
Bernardo Mendes, MD
- 3:45 – 3:53 PM **Secondary Interventions After FEVAR – How Does it Compare to Open Surgical Repair**
Mark Farber, MD
- 3:54 – 4:02 PM **F/BEVAR in Connective Tissue Disorders**
Gustavo S. Oderich, MD
- 4:03 – 4:11 PM **Acute Kidney Injury Risk and How to Optimize Renal Outcomes with F/BEVAR**
Javairiah Fatima, MD
- 4:12 – 4:20 PM **Neuromonitoring for TAAA**
Akiko Tanaka, MD, PhD
- 4:21 – 4:29 PM **Anesthetic Concerns for Open TAAA Repair**
Shao Feng Zhou, MD
- 4:30 – 4:38 PM **Open TAAA: Experience Over 40 Years**
Hazim J. Safi, MD
- 4:39 – 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, MBA, FRCSC,
Akiko Tanaka MD, PhD*

8:30 – 10:00 AM Oral Abstract Presentations

10:00 – 10:30 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