

The Houston Aortic Symposium
Frontiers in Cardiovascular Diseases
The Twelfth in the Series
March 7, 8, & 9, 2019

Thursday, March 7, 2019

6:45 – 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**

SESSION I:

Structural Heart

Moderators: *Tom Nguyen, MD*

8:00 – 8:08 AM **The Future is Here – Robotic Mitral Valve Surgery**
T. Sloane Guy, MD, MBA

8:09 – 8:17 AM **An Endoscopic Approach to Aortic Valve Replacement**
Tristan Yan, MD, PhD

8:18 – 8:26 AM **Minimally Invasive Aortic Valve Repair: Ozaki Technique**
Hoang Dinh Nguyen, MD, PhD

8:27 – 8:35 AM **Aortic Stenosis in Low-Risk Patients: TAVR Should be the Gold Standard**
Michael Mack, MD

8:36 – 8:44 AM **The Role of Social Media in Structural Heart Disease: Let's Have a Conversation**
Jacqueline Olive, BA

8:45 – 8:53 AM **How to Expose the Mitral Valve in Minimally Invasive Heart Surgery: Surgical Technique Experiences of E Hospital, Hanoi, Vietnam**
Le Ngoc Thành, MD, PhD

8:54 – 9:02 AM **Personalized Medicine for Mitral Valve Pathology**
Peyman Sardari Nia, MD, PhD

9:03 – 9:11 AM **Treating Degenerative Mitral Regurgitation with Transcatheter Mitral Valve Repair**
Tarun Chakravarty, MD

9:12 – 9:20 AM	Treating Degenerative Mitral Regurgitation with Surgery <i>Harold G. Roberts, Jr., MD</i>
9:21 – 9:29 AM	TAVR for Bicuspid Aortic Valve Disease: Is It Better Than Surgery? <i>Tsuyoshi Kaneko, MD</i>
9:30 – 9:38 AM	Aortic Stenosis in Low-Risk Patients: Surgery Should be the Gold Standard <i>Anelechi Anyanwu, MD</i>
9:39 - 10:00 AM	Panel Discussion
10:00 – 10:30 AM	Break / Visit Exhibits
SESSION II:	Aortic Root/BAV Moderators: <i>Duke Cameron, MD, and Eric Roselli, MD</i>
10:30 – 10:38 AM	Reconstructive Options at the Aortic Root During Type A Dissection Repair: Decision Making and Outcomes <i>Joseph Bavaria, MD</i>
10:39 – 10:47 AM	Loeys-Dietz Syndrome: More Complicated Than We Thought <i>Duke Cameron, MD</i>
10:48 – 10:56 AM	Standardized 180 Degree Approach to Bicuspid Valve Preserving Root Replacement <i>Eric Roselli, MD</i>
10:57 – 11:05 AM	VSRR for Bicuspid Valve AI <i>Edward P. Chen, MD</i>
11:06 – 11:14 AM	Effect of Aneurysm and Bicuspid Aortic Valve on Layer-Specific Ascending Aorta Mechanics <i>Dimitrios Iliopoulos, MD</i>
11:15 – 11:23 AM	Systematic Valsalva-David Reimplantation <i>Hitoshi Ogino, MD, PhD</i>
11:24 – 11:32 AM	Minimally Invasive Treatment of the Ascending Aorta and Root <i>Juan P. Umaña, MD</i>
11:33 – 11:41 AM	The Present Status and Prospect for Treatment of Structural Heart Diseases in Tianjin Chest Hospital <i>Hongliang Cong, MD</i>
11:42 AM – 12:00 PM	Panel Discussion
12:00 PM – 1:00 PM	Lunch - La Vista Room, 21st Floor

SESSION III:

Ascending Aorta/Aortic Dissection (Proximal)

Moderators: *Joseph Bavaria, MD, and Thomas Gleason, MD*

1:15 – 1:23 PM

Zone 2 Arch for Type A Dissection with Sequential Branched TEVAR Completion: Recent Results from the FDA TBE Pivotal Trial

Joseph Bavaria, MD

1:24 – 1:32 PM

Moving From Off Label to Dedicated Devices - Lessons Learned from Ascending Stentgrafting

Eric Roselli, MD

1:33 – 1:41 PM

Blood Product Conservation and Its Impact on Type A Aortic Dissection Mortality and Complications

Thomas Gleason, MD

1:42 – 1:50 PM

Type A Dissection Following Replacement of the Aortic Valve or Root

Wei-Guo Ma, MD

1:51 – 1:59 PM

The "TEVAR-First" Approach to Type A Aortic Dissection with Mesenteric Malperfusion

Bradley G. Leshnowar, MD

2:00 – 2:08 PM

Big Data in Aortic Surgery: Update On the STS Aortic Database

Nimesh Desai, MD, PhD

2:09 – 2:17 PM

Endovascular Repair of Type A

Michael Reardon, MD

2:18 – 2:26 PM

The Current Situation of Diagnosis and Treatment for Aortic Aneurysm and Dissection in China and Tianjin Chest Hospital Ongoing Projects

Zhigang Guo, MMS

2:27 – 2:35 PM

Biomechanics of the Aorta

Kumbakonam R. Rajagopal, PhD

2:36 – 3:00 PM

Panel Discussion

3:00 – 3:30 PM

Break / Visit Exhibits

SESSION IV:

Transverse Arch

Moderators: *Roberto Di Bartolomeo, MD, and G. Chad Hughes, MD*

3:30 – 3:38 PM

Frozen Elephant Trunk - Is it Worth Doing?

Marek Ehrlich, MD

- 3:39 – 3:47 PM **Hypothermia and Cerebral Protection Strategies in Arch Surgery: A Comparative Effectiveness Analysis From the STS Database**
G. Chad Hughes, MD
- 3:48 – 3:56 PM **Different Surgical Therapy Possibilities for Aortic Arch Pathology in the Era of Frozen Elephant Trunk**
Malakh Shrestha, MBBS, PhD
- 3:57 – 4:05 PM **Goal Directed Cerebral Perfusion: Management of ACP During Circulatory Arrest**
T. Brett Reece, MD
- 4:06 – 4:14 PM **Surgery for Submassive & Massive Pulmonary Embolism**
David Spielvogel, MD
- 4:15 – 4:23 PM **REDO in Thoracic Aortic Surgery**
Roberto Di Bartolomeo, MD
- 4:24 – 4:32 PM **Moving the Aortic Arch: Techniques for Creating Landing Zones for Arch Reconstruction, Extra-Anatomic and Direct**
R. Clement Darling III, MD
- 4:33 – 4:41 PM **Indication and Results of FET in Type I Aortic Dissection**
Heinz Jakob, MD, PhD
- 4:42 – 5:00 PM **Panel Discussion**
- 5:00 PM **Adjourn**

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Friday, March 8, 2019

7:00 – 7:50 AM

Continental Breakfast and View Exhibits

SESSION V:

Aortic Dissection (Distal)

Moderators: *Ali Azizzadeh, MD, and Tilo Kölbel, MD, PhD*

8:00 – 8:08 AM

Dual Lumen Intervention for Aortic Dissection – Long Term Impact on Remodeling

Christoph A. Nienaber, MD, PhD

8:09 – 8:17 AM

False Lumen Embolization: Techniques and Devices

Tilo Kölbel, MD, PhD

8:18 – 8:26 AM

Beyond the STABLE Trial: The Petticoat Concept

Joseph Lombardi, MD

8:27 – 8:35 AM

Remodeling of Type B Aortic Dissection, What Do We Know?

Fred Weaver, MD, MMM

8:36 – 8:44 AM

New Type A After Type B Dissection

Kristofer Charlton-Ouw, MD

8:45 – 8:53 AM

International E-vita Open Registry Update: Long Term Results of Frozen Elephant Trunk Technique in More Than 1,000 Patients

Konstantinos Tsagakis, MD

8:54 – 9:02 AM

Endovascular Repair of Chronic Aortic Dissection

Carlos Timaran, MD

9:03 – 9:11 AM

Pivotal Results of the Valiant EVO Global Clinical Trial

Ali Azizzadeh, MD

9:12 – 9:20 AM

Single Branch Arch Device

Himanshu Patel, MD

9:21 – 9:29 AM

Open Repair of Chronic Type B Aortic Dissection

Anthony Estrera, MD

9:30 – 10:00 AM

Panel Discussion

10:00 – 10:20 AM

Break / Visit Exhibits

SESSION VI:

DTAA/TEVAR/EVAR

Moderator: *Benjamin Starnes, MD*

10:20 – 10:28 AM

Threshold for Aortic Aneurysmectomy

John A. Elefteriades, MD, PhD (hon)

10:29 – 10:37 AM

Endoleak and Expanding AAA

Michel Makaroun, MD

10:38 – 10:46 AM

Use of Automated Software to Simplify FEVAR

Benjamin Starnes, MD

10:47 – 10:55 AM

EVAR Explants

Sean Lyden, MD

10:56 – 11:04 AM

Aortic Trauma Foundation Registry Update

Naveed Saqib, MD

11:05 – 11:13 AM

NICE Guidelines for AAA Repair

Nicholas J.W. Cheshire, MD, FRCS

11:14 – 11:45 AM

Panel Discussion

11:45 AM – 12:45 PM

Lunch - La Vista Room, 21st Floor

(The lunch activity is not included in CME hours.)

Lunch Lecture:

Vascular Surgery in the Civil War

Eugene Boisaubin, MD

SESSION VII:

Genetics/Imaging/Technology

Moderators: *Scott LeMaire, MD, and*

Sherene Shalhub, MD, MPH

1:00 – 1:08 PM

How Do Genetic Alterations Contribute to a Predisposition for Acute Aortic Dissections?

Dianna Milewicz, MD, PhD

1:09 – 1:17 PM

Turners Syndrome: New Guidelines for Treatment

Siddharth Prakash, MD, PhD

1:18 – 1:26 PM

Recognition and Management of Genetically Triggered Aortopathy and Arteriopathy in Your Practice

Sherene Shalhub, MD, MPH

- 1:27 – 1:35 PM **Fluoroquinolones and Aneurysms**
Scott LeMaire, MD
- 1:36 – 1:44 PM **Gene and Allele-Specific Risks of Aortic Events Associated with Heritable Thoracic Aortic Disease: Updates From the Montalcino Aortic Consortium**
Ellen Regalado, MS, CGC
- 1:45 – 1:53 PM **Correction of Severe Venous Valvular Insufficiency and Venous Ulceration By the Implantation of an Allograft, Monocuspid Pulmonary Artery Patch in the Common Femoral Vein**
Raul Garcia-Rinaldi, MD, PhD
- 1:54 – 2:02 PM **Thrombolysis for Massive and Submassive Pulmonary Embolism**
Sheila M. Coogan, MD
- 2:03 – 2:11 PM **Transcranial Doppler Ultrasound in Cardiovascular Surgery**
Zsolt Garami, MD
- 2:12 – 2:40 PM **Panel Discussion**
- 2:40 – 3:00 PM **Break / Visit Exhibits**

SESSION VIII:

TAAA

Moderators: *Anthony Estrera, MD, and Mark Farber, MD*

- 3:00 – 3:08 PM **TAAA in Great Britain**
Aung Oo, FRCSEd(CTh)
- 3:09 – 3:17 PM **Endovascular TAAA Repair: Improving Visceral Artery Outcomes**
Darren Schneider, MD
- 3:18 – 3:26 PM **TAAA Repair with Deep Hypothermic Circulatory Arrest**
Joel Corvera, MD
- 3:27 – 3:35 PM **Selective Hypothermic Intercostal Artery Perfusion: A New Method to Probe Spinal Cord Perfusion During Thoracoabdominal Aortic Aneurysm Repair**
Yoshikatsu Saiki, MD, PhD
- 3:36 – 3:44 PM **Endovascular Repair of Chronic Post-Dissection TAAA Using F-BEVAR**
Mark Farber, MD

3:45 – 3:53 PM	Insights From Thoracoabdominal Branch Endoprosthesis Device <i>Gustavo Oderich, MD</i> <i>Bernardo Mendes, MD</i>
3:54 – 4:02 PM	Spider Graft <i>Sabine Helena Wipper, MD</i>
4:03 – 4:11 PM	Spinal Cord Protection: Maximizing Tolerance <i>T. Brett Reece, MD</i>
4:12 – 4:20 PM	Blood Conservation in TAAA Repair <i>Shao Feng Zhou, MD</i>
4:21 – 4:29 PM	TAAA: The Houston Experience <i>Hazim J. Safi, MD</i>
4:30 – 5:00 PM	Panel Discussion
5:00 PM	Adjourn

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Saturday, March 9, 2019

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

8:25 – 8:30 AM **Opening Remarks**

SESSION IX: ABSTRACT SESSION

Moderators: *Charles C. Miller III, PhD, Naveed Saqib, MD,
Bruce Tjaden, MD*

8:30 – 8:36 AM **Abstract #89:**
Patient Specific Simulation Prior to EVAR: The Use of 3D Printers
Inez Torres, MD

8:37 – 8:43 AM **Abstract #92:**
**Surgical Repair of Acute Type A Aortic Dissection by Total Arch
Replacement Combined with Valve-Sparing Root Reconstruction**
Tianxiang Gu, MD

8:44 – 8:50 AM **Abstract #94:**
**Reoperative Hemiarch and Total Arch Aortic Repair Have
Acceptable and Similar Operative Outcomes**
Gurion S. Lantz, MD

8:51 – 8:57 AM **Abstract #95:**
**Narrow Ostium of Aorta During Aortic Valve Replacement: Surgical
Prophylaxis of Mismatch**
Volodymyr Popov, MD, PhD, DMSc

8:58 – 9:04 AM **Abstract #98:**
**The Heart in Jetpardy: A Rare Case of Junctional Ectopic
Tachycardia After Aortic Dissection Repair**
Marwah Shahid, MD

9:05 – 9:11 AM **Abstract #99:**
**Late Type A Dissection After Transfemoral Aortic Valve
Replacement**
Awais Ashfaq, MD

- 9:12 – 9:18 AM **Abstract #100**
Incidental Finding of Chronic Type A Aortic Dissection and Left Atrial Myxoma in a Patient Admitted Primarily for Exacerbated Chronic Obstructive Pulmonary Disease
Pascal Dohmen, MD
- 9:19 – 9:25 AM **Abstract #103:**
Reserve Aortic Ratio Using “Virtual Touch Aortic Assessment Technology” (VITAATM) as an Index of Wall Vulnerability for AAAs
Randy Moore, MD, FACS, FRCSC, FSVS
- 9:26 – 9:32 AM **Abstract #104:**
Different Clinical Presentations and Outcomes In Chronic Versus Acute Type A Aortic Dissections
Dov Levine, BA
- 9:33 – 9:39 AM **Abstract #105:**
Degree of Vertebral Artery Tortuosity Correlates with Cardiovascular Severity in a Cohort of Patients with Identical TGFB2 Mutations Causing Loews-Dietz Syndrome Type 4
William C. Frankel
- 9:40 – 9:46 AM **Abstract #106:**
An Alternative Approach to Sternal Precautions after Median Sternotomy Improves Geometric Length of Stay and Opportunity Days in a Level 1 Cardiovascular Acute Care Hospital
Jason Radfar, PT, DPT
- 9:47 – 9:53 AM **Abstract #107:**
Transcatheter Replacement of Homograft Aortic Valve for Recurrent Infective Endocarditis Following a Previous “Commando” Reconstruction: A First Case Report
Chris Rokkas, MD
- 9:54 – 10:00 AM **Abstract #109:**
Descending Thoracic Aortic Resection with Spinal Cord IOM and Distal Aortic Perfusion
Michael Janusz, MD
- 10:01 – 10:07 AM **Abstract #110:**
Saddle Pulmonary Embolism with Extension Across Patent Foramen Ovale and Mitral Valve Necessitating Emergent Open Embolectomy
Daniel Miles, MD
- 10:08 – 10:25 AM **Break**
- 10:25 – 10:31 AM **Abstract 111:**
Successful Stent-Graft Repair of Ruptured Ascending Aortic Pseudoaneurysm Secondary to Embolization of Transcatheter Aortic Valve
Hunter Ray, MD

- 10:32 – 10:38 AM **Abstract 112:**
Clinical Outcomes of Complex Aortic Surgery in Octogenarians at a Specialized Aortic Centre
Saleem Jahangeer, FRCS, CTh
- 10:39 – 10:45 AM **Abstract #96:**
Surgical Treatment of Poststenotic Aneurysms of Ascending Aorta
Volodymyr Popov, MD, PhD, DMSc
- 10:46 – 10:52 AM **Abstract #101:**
Reoperative Surgery for Prosthetic Aortic Valve Endocarditis Using a Rapid Deployment Aortic Valve Prosthesis
Pascal Dohmen, MD
- 10:53 – 10:59 AM **Abstract #108:**
Myocardial Protection in Acute Type A Aortic Dissection Repair: Safety and Efficacy of a Lidocaine-Based Whole Blood Microplegia Protocol
Chris Rokkas, MD
- 11:00 – 11:06 AM **Abstract #113:**
Does the Depth of Hypothermia Influence Outcomes in Patients Undergoing Acute Type A Aortic Dissection Surgery
Saleem Jahangeer, FRCS, CTh
- 11:07 – 11:13 AM **Abstract #97:**
Surgical Treatment of Myxomas of the Heart
Volodymyr Popov, MD, PhD, DMSc
- 11:14 – 11:20 AM **Abstract #93:**
Debranching TEVAR in Kommerell's Diverticulum
Giovanni Tinelli, MD, PhD
- 11:21 – 11:27 AM **Abstract #115:**
A Case of Blunt Force Trauma Causing Multiple Aortic Lacerations: A Tale of Survival in the Outback
Christina Popovic, MD
- 11:28 – 11:35 AM **Closing Remarks**
Hazim J. Safi, MD, and David D. McPherson, MD