

The Houston Aortic Symposium
Frontiers in Cardiovascular Diseases
The Thirteenth in the Series
March 5, 6 & 7, 2020

Thursday, March 5, 2020

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 C. Nguyen, MD, Vinod Thourani, MD*

8:00 – 8:08 AM

STS and TVT Database: How Have They Improved Patient Care?

Vinod Thourani, MD

8:09 – 8:17 AM

Total Arterial Robotic Coronary Revascularization – This Is the Future

Francis Sutter, DO

8:18 – 8:26 AM

In the New Era of TAVR, Which Patients Get SAVR?

Michael Mack, MD

8:27 – 8:35 AM

We Need a Paradigm Shift in Cardiothoracic Surgery Training

David Fullerton, MD

8:36 – 8:44 AM

In the Era of Percutaneous Edge-to-Edge Mitral Repair, What is the Role for Open Surgery?

Abhijeet Dhoble, MD, MPH

8:45 – 8:53 AM

TMVR: What's In the Pipeline and What Holds Promise?

8:54 – 9:02 AM

Robotic Mitral Surgery – This Is How I Do It

Stephanie L. Mick, MD

9:03 – 9:11 AM

Vfib Arrest Versus Beating Heart for Complex Redo Mitral Surgery

Matthew Romano, MD

- 9:12 – 9:20 AM **Minimally Invasive Heart Surgery in Babies**
Peter C. Chen, MD
- 9:21 – 9:29 AM **Update on Percutaneous Atrial Appendage Closure**
Tarun Chakravarty, MD
- 9:30 – 9:38 AM **Transcatheter Aortic Valve Replacement for Treatment of Failed Bioprosthetic Aortic Valves**
Aamir Shah, MD
- 9:39 – 10:00 AM **Panel Discussion**
- 10:00 – 10:20 AM **Break / Visit Exhibits**
- SESSION II: Aortic Root/BAV/Ascending Aorta**
Moderators: *Nimesh Desai, MD, PhD, Siddharth Prakash, MD, PhD*
- 10:21 – 10:28 AM **Update on STS Aortic Database**
Nimesh Desai, MD, PhD
- 10:29 – 10:37 AM **Aortic Valve Repair with a Rigid Internal Annuloplasty Ring**
G. Chad Hughes, MD
- 10:38 – 10:46 AM **Aortic Valve Repair and Sparing Procedures For Valve Insufficiency or Root Aneurysms**
Dimitrios Iliopoulos, MD
- 10:47 – 10:55 AM **Bicuspid Aortic Valve: New Genetic Discoveries**
Siddharth Prakash, MD, PhD
- 10:56 – 11:04 AM **How Do We Counsel Young At Risk Patients Preconception?**
Eric Isselbacher, MD, MSc
- 11:05 – 11:13 AM **Management of Thoracic Aortic Disease Based on the Underlying Gene Mutation**
Dianna Milewicz, MD, PhD
- 11:14 – 11:40 AM **Panel Discussion**
- 11:40 AM – 12:50 PM **Lunch - La Vista Room, 21st Floor**

SESSION III:

Transverse Arch/Great Vessels

Moderator: *Marek Ehrlich, MD*

1:00 – 1:08 PM

Redo-Aortic Arch Surgery

Edward Chen, MD

1:09 – 1:17 PM

There Is No Need For a Frozen Elephant in Aortic Surgery

Marek Ehrlich, MD

1:18 – 1:26 PM

Branched Endografts for the Arch: Where Are We and Where Are We Heading?

Ourania Preventza, MD, MBA

1:27 – 1:35 PM

Arch Branch Stenting; Ready for Mainstream?

Nicholas J.W. Cheshire, MD

1:36 – 1:44 PM

Oropharyngeal Complications of Arch Debranching

Bruce Tjaden, MD

1:45 – 1:53 PM

Combined Carotid Interventions

W. Darrin Clouse, MD

1:54 – 2:02 PM

In Situ Fenestration of Aortic Arch

Jean M. Panneton, MD, FRCSC, FACS

2:03 – 2:11 PM

Does Chronic Kidney Disease Affect Blood Conservation in Aortic Surgery

Shao-Feng Zhou, MD

2:12 – 2:40 PM

Panel Discussion

2:40 – 3:10 PM

Break / Visit Exhibits

SESSION IV:

Abdominal Aorta/Education

Moderator: *Sherene Shalhub, MD, MPH*

3:10 – 3:18 PM

EndoAnchors Can Improve Results in Challenging Aortic Anatomies

William Jordan, Jr., MD

3:19 – 3:27 PM

Engaging Patients as Research Partners in Aortic & Arterial Research

Sherene Shalhub, MD, MPH

3:28 – 3:36 PM

Teaching Open Aortic Surgery in the Endovascular Era; Approach and Concerns

R. Clement Darling III, MD

- 3:37 – 3:45 PM **Virtual Touch Aortic Assessment (ViTAA) for Calculation of Aortic Residual Wall Strength: A New Tool for the Vascular Clinician**
Randy Moore, MD, FRCSC, FACS
- 3:46 – 3:54 PM **Use and Impact of Wifi Classification**
Joseph Mills, MD
- 3:55 – 4:03 PM **Seasonality of Acute Aortic Dissection**
Harleen Sandhu, MD, MPH
- 4:04 – 4:12 PM **Ongoing Evolution of Outpatient Cardiovascular Centers**
Stuart Harlin, MD
- 4:13 – 4:21 PM **Management of the Abdominal Aortic Aneurysm After Chronic Distal Aortic Dissection**
Naveed Saqib, MD
- 4:22 – 4:30 PM **Isolated Vascular Graft Infections in the Groin**
Matthew Smeds, MD
- 4:31 – 4:39 PM **The Nice Guidelines: Will They Change Anything?**
Michel Makaroun, MD
- 4:40 – 4:48 PM **Type B Aortic Dissections and Cocaine – A Different Disease Process**
Frank R. Arko, III, MD
- 4:49 – 5:15 PM **Panel Discussion**
- 5:15 PM **Adjourn**

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Friday, March 6, 2020

- 6:30 – 7:30 AM Breakfast Symposium – Sponsored by Medtronic, Inc.
This satellite symposium is not included in CME hours.
21st Floor, La Vista Room
Enhancing Durability in Hostile Necks: Technical and Clinical Insights on ESAR
William D. Jordan, Jr., MD
- 7:00 – 8:00 AM **Continental Breakfast and View Exhibits**
- SESSION V:** **Aortic Dissection**
Moderators: *Ali Azizzadeh, MD, Joseph Bavaria, MD*
- 8:00 – 8:08 AM **STS/SVS Classification for Aortic Dissection**
Joseph Lombardi, MD
- 8:09 – 8:17 AM **Reinterventions and TEVAR for Chronic Type B Aortic Dissection**
Adam Beck, MD
- 8:18 – 8:26 AM **The "TEVAR-1st" Technique for Type A Dissection with Mesenteric Malperfusion**
Bradley G. Leshnowar, MD
- 8:27 – 8:35 AM **Understanding the Window of Success in TBAD**
Ali Azizzadeh, MD
- 8:36 – 8:44 AM **Early Clinical Outcomes of Type A Dissection Repair with Novel Uncovered Arch Stent**
Maral Ouzounian, MD, PhD
- 8:45 – 8:53 AM **Best Approach for Acute Type A Aortic Dissection: Zone 2 Repair**
Joseph Bavaria, MD
- 8:54 – 9:02 AM **Best Approach for Acute Type A Aortic Dissection: Hemiarch**
Steven Lansman, MD, PhD
- 9:03 – 9:11 AM **Best Approach for Acute Type A Aortic Dissection: Ascending Stent Grafting**

9:12 – 10:00 AM	<i>Eric Roselli, MD</i> Panel Discussion
10:00 – 10:20 AM	Break / Visit Exhibits
SESSION VI:	Genetics/Imaging/Activity Moderator: <i>John Elefteriades, MD, PhD (hon)</i>
10:20 – 10:28 AM	Ascending Aortic Length - The Neglected Dimension in Prediction of Aortic Events <i>John Elefteriades, MD, PhD (hon)</i>
10:29 – 10:37 AM	Women’s Vascular and Cardiac Health Interdisciplinary Initiative “WVACHII” from Concept to Reality <i>Rana Afifi, MD</i>
10:38 – 10:46 AM	Role of microRNA in the Development of Thoracic Aortic Aneurysms <i>John Ikonomidis, MD, PhD</i>
10:47 – 10:55 AM	Computational Modeling Findings and Personalized Medicine in Aortic Surgery <i>Himanshu Patel, MD</i>
10:56 – 11:04 AM	Evidence-Based Exercise Limitations in Patients with Aortic Disease <i>Siddharth Prakash, MD, PhD</i>
11:05 – 11:13 AM	Genetic Counseling 101: What Surgeons Need to Know <i>Alana Cecchi, MS, CGC</i>
11:14 – 11:22 AM	Extending Ischemic Tolerance <i>T. Brett Reece, MD</i>
11:23 – 11:54 AM	Panel Discussion
11:55 AM – 12:55 PM	Lunch - La Vista Room, 21st Floor
SESSION VII:	DTAA/TEVAR/EVAR Moderators: <i>Nicholas J.W. Cheshire, MD, Joseph DuBose, MD</i>
1:00 – 1:08 PM	TEVAR for Blunt Thoracic Aortic Injury - Are We Over Treating This Entity? <i>Joseph DuBose, MD</i>
1:09 – 1:17 PM	TEVAR: The Importance of Proximal Neck Size <i>Jason Lee, MD</i>

- 1:18 – 1:26 PM **When Should the Descending Aorta be Resected - Descending-Specific, Evidence-Based Recommendations**
John Elefteriades, MD, PhD (hon)
- 1:27 – 1:35 PM **CHEVAR – Is There Still a Role for Off Label Procedures?**
Murray Shames, MD
- 1:36 – 1:44 PM **Adjunctive Techniques for TEVAR of Chronic Dissection**
Eric Roselli, MD
- 1:45 – 1:53 PM **Infected TEVAR: Management Options**
Nicholas J.W. Cheshire, MD
- 1:54 – 2:02 PM **Staged Management of Thoracoabdominal Aneurysm**
Kenton Rommens, MD, FRCSC
- 2:03 – 2:11 PM **Aneurysmorrhaphy and Open Ligation of Persistent Endoleaks**
Mark Eskandari, MD
- 2:12 – 2:39 PM **Panel Discussion**
- 2:40 – 3:00 PM **Break / Visit Exhibits**
- SESSION VIII: TAAA**
Moderators: *Anthony Estrera, MD, Gustavo Oderich, MD*
- 3:00 – 3:08 PM **Fenestrated/Branched Endograft Repair in the Setting of Aortic Dissection**
Matthew Eagleton, MD
- 3:09 – 3:17 PM **Management of Vasoplegia after Aortic Surgery**
Subhasis Chatterjee, MD
- 3:18 – 3:26 PM **Caution! Fluoroquinolones Accelerate Aortic Complications in Marfan Syndrome**
Scott LeMaire, MD
- 3:27 – 3:35 PM **Open vs. Endovascular TAAA Repair: A Population-Based Study**
Maral Ouzounian, MD, PhD
- 3:36 – 3:44 PM **The Thoracoflo Graft for TAAA Hybrid Repair**
Sabine Wipper, MD, PhD
- 3:45 – 3:53 PM **PAIN and Cryoablation of Intercostal Nerves During Open TAAA**
Akiko Tanaka, MD, PhD
- 3:54 – 4:02 PM **Neurologic Monitoring During TAAA Repair: Is It Worth It?**
Anthony Estrera, MD

4:03 – 4:11 PM

Update on Off the Shelf Devices for TAAA Repair

Mark A. Farber, MD

4:12 – 4:20 PM

Dealing with Reinterventions after Complex Endovascular Repair

Gustavo Oderich, MD

4:21 – 4:29 PM

TAAA

Hazim J. Safi, MD

4:30 – 5:00 PM

Panel Discussion

5:00 PM

Adjourn

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Saturday, March 7, 2020

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

8:25 – 8:30 AM **Opening Remarks**

SESSION IX: ABSTRACT SESSION

Moderators: *Steven Eisenberg, MD, Charles C. Miller III, PhD,
Bruce Tjaden, MD*

8:30 – 8:35 AM Abstract #136
**Unusual Presentation of Hypermucoid Klebsiella Pneumoniae
Infection as a Ruptured Mycotic Aortic Aneurysm**
Ehab Sorial, MD

8:36 – 8:41 AM Abstract #137
**Retrieval of a Retained Lap Sponge 7 years After Aortic Graft
Placement**
Ehab Sorial, MD

8:42 – 8:47 AM Abstract #119
**Importance of Genetic Testing for SDH Mutation in Carotid
Paraganglioma**
Tina Cohnert, MD

8:48 – 8:53 AM Abstract #121
**Ten Years of Type A Aortic Dissection Repair at Liverpool Hospital,
NSW, Australia**
Eric Yu Wei Lo, MBBS

8:54 – 8:59 AM Abstract #124
**Reconstruction of Left Part of the Heart for Combined Mitral-Aortic
Valve Diseases**
Volodymyr Popov, MD, PhD, DMSc

9:00 – 9:05 AM Abstract #125
Surgical Treatment of Poststenotic Aneurysms of Ascending Aorta
Volodymyr Popov, MD, PhD, DMSc

- 9:06 – 9:11 AM Abstract #128
One-Stage Radical Surgical Repair of Aortic Pathologies with Distal Arch Aneurysm or Dilatation via Median Sternotomy: Multiple Keys for One Lock
Tianxiang Gu, MD, PhD
Yang Yu, MD
- 9:12 – 9:17 AM Abstract #129
Aortovascular Multidisciplinary Team Meeting – Standard of Care for All Patients with Major Aortic Pathology
Ana Lopez-Marco, MD
- 9:18 – 9:23 AM Abstract #143
Aortic Areas and Ratios as Predictors of Aortic Dissection
Adam El-Gamel, FRCS, FRACS
- 9:24 – 9:29 AM Abstract #144
Environmental Factors May Contribute to Higher Incidence of Aortic Aneurysms in New Zealand
Adam El-Gamel, FRCS, FRACS
- 9:30 – 9:35 AM Abstract #133
Elective Multistaged Endovascular Repair of Thoraco-Abdominal Aneurysms with Fenestrated and Branched Endografts to Mitigate Spinal Cord Ischaemia
Tommaso Cambiaghi, MD, MS
- 9:36 – 9:41 AM Abstract #135
Internal Carotid Endarterectomy in Asymptomatic Octogenarian Women, Why Not?
Gregor Siegl, MD
- 9:42 – 9:47 AM Abstract #138
Mid-term Results of Total Arch Replacement of an Off-the-Shelf Aortic Stent Graft System
Nimesh Desai, MD, PhD
- 9:48 – 9:53 AM Abstract #139
Surgical Outcomes of Acute Type A Aortic Dissection Repair: A 10 Years Single-Centre Experience
Asif Masroor Farooqui, MBBS, MRCSI
- 9:54 – 9:59 AM Abstract #140
Quality Improvement in Aortic Surgery: From the “Surgeon” to the Aorta Team Approach
Jaime Camacho, MD
- 10:00 – 10:30 AM **Break**

- 10:30 – 10:35 AM Abstract #141
Lending a Helping Arm: Coronary Artery Reconstruction During Acute Type A Dissection Repair
Stephanie N. Nguyen, MD
- 10:36 – 10:41 AM Abstract #142
Open Suturing of Aortic Endograft as Treatment for Type 1A Endoleak
Jennifer Perri, MD, MBA
- 10:42 – 10:47 AM Abstract #130
Safety and Efficacy of Mini-Sternotomy Approach for Proximal Aortic Surgery– Experience from Two UK Aortic Centres
Ana Lopez-Marco, MD
- 10:48 – 10:53 AM Abstract #122
Case Report: Management of a Calcified Pericardial Cyst
Eric Yu Wei Lo, MBBS
- 10:54 – 10:59 AM Abstract #126
Triangular Plasty of Left Atrium for Atriomegaly During Mitral Valve Correction
Volodymyr Popov, MD, PhD, DMSc
- 11:00 – 11:05 AM Abstract #127
Surgical Treatment of Myxomas of the Heart
Volodymyr Popov, MD, PhD, DMSc
- 11:06 – 11:11 AM Abstract #131
The Addition of Root Replacement in Type A Aortic Dissection Does Not Increase In-Hospital Mortality
Ana Lopez-Marco, MD
- 11:12 – 11:17 AM Abstract #134
Anatomical Feasibility of an Investigational Thoracoabdominal Branch Endoprosthesis (TAMBE), Off-the-Shelf Multibranched Endograft for the Treatment of Pararenal and Thoracoabdominal Aortic Aneurysms
Tommaso Cambiaghi, MD, MS
- 11:18 – 11:30 AM **Closing Remarks**
Hazim J. Safi, MD, and David D. McPherson, MD