



March 21, 22 & 23, 2024

The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases

THE SIXTEENTH IN THE SERIES

The Westin Oaks Hotel, Houston, Texas

SYMPOSIUM CHAIRMEN

ANTHONY ESTRERA, MD ■ ALI AZIZZADEH, MD

PROGRAM DIRECTORS

GUSTAVO S. ODERICH, MD ■ DANNY RAMZY, MD, PHD

HONORARY CHAIRMEN

HAZIM J. SAFI, MD ■ DAVID D. MCPHERSON, MD



PROGRAM

PROGRAM DESCRIPTION

The Houston Aortic Symposium: Frontiers in Cardiovascular Disease, the Sixteenth in the Series will present and discuss diagnosis and treatment paradigms for aortic and structural heart diseases, including medical, endovascular, surgical, and hybrid options. The Symposium Chairmen and Program Directors designed the 2024 scientific program by consulting current peer-reviewed literature, national data and guidelines, accredited education needs assessment surveys, and evaluation outcomes from previous symposia in the series. Session topics will include Structural Heart, Aortic Root/BAV, Ascending Aorta, Transverse Arch, Abdominal Aorta & Iliacs, Acute Aortic Syndrome, DTAAAs/TAAAs and Chronic Dissections, and TAAA.

EDUCATIONAL OBJECTIVES

After attending the symposium, participants should be able to:

- ◆ Examine the role of surgery in aortic stenosis and the latest advances in transcatheter mitral valve repair
- ◆ Evaluate challenging aortic root cases and treatments
- ◆ Discuss the aortic guidelines and current important ascending aorta trials
- ◆ Assess new arch devices and debranching procedures
- ◆ Examine the guidelines and recommendations for management of abdominal aortic aneurysms and the indications for iliac branch devices
- ◆ Discuss the guidelines and recommendations for management of acute type B aortic dissection, genetic risk factors, and review the Zone 2 approach
- ◆ Evaluate the guidelines and recommendations for management of chronic dissections and fenestrated-branched endovascular aneurysm repair
- ◆ Examine the recommendations for management of TAAA, the evolution of repair techniques, technical pitfalls, and best practices

TARGET AUDIENCE

This symposium is designed for vascular surgeons, cardiothoracic surgeons, interventional radiologists, cardiologists, anesthesiologists, physician assistants, nurse practitioners, perfusionists, and other health care professionals involved in the care and treatment of patients with aortic diseases.

ABSTRACT SUBMISSION

Original abstracts will be considered for oral/video presentation and electronic poster when submitted online at www.promedicacme.com or www.houstonaorticssymposium.com.

Deadline for Abstract Submissions:
February 11, 2024

Abstract Categories

- | | |
|---|--------------------|
| ◆ Aortic | ◆ Genetics |
| ◆ Carotid | ◆ Imaging |
| ◆ Diagnosis | ◆ Natural History |
| ◆ Endovascular | ◆ PAD |
| ◆ Etiology | ◆ Pathology |
| ◆ Evaluation, Management, Surgery, Medicine | ◆ Structural Heart |

ACCREDITATION

Physicians



Promedica International is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Promedica International designates this live activity for a maximum of 16.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants

The National Commission on Certification of Physician Assistants (NCCPA) accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by ACCME.

Nurses & Nurse Practitioners

Provider approved by the California Board of Registered Nursing, Provider #8495 for 16.25 contact hours.

The American Academy of Nurse Practitioners Certified Program (AANPCP) and the American Association of Nurse Practitioners (AANP) accept *AMA PRA Category 1 Credit(s)*[™] from organizations accredited by the ACCME.

Perfusionists

Category 1 CEUs from the American Board of Cardiovascular Perfusion (ABCP) are pending. The credit determination will be available online at www.houstonaorticsymposium.com.

MAINTENANCE OF CERTIFICATION

American Board of Internal Medicine (ABIM)



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16.25 Medical Knowledge MOC points and Patient Safety MOC credit in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

American Board of Surgery (ABS)



Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME requirement(s) of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

American Board of Thoracic Surgery (ABTS)

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME and Patient Safety requirements of the American Board of Thoracic Surgery's Maintenance of Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABTS credit.

Additional CE Opportunity for Nurses

SIXTH ANNUAL HOUSTON AORTIC NURSING SYMPOSIUM

Wednesday, March 20, 2024 ■ 12:00 – 5:00 PM ■ Westin Oaks Hotel, Houston, Texas

Program Director: JODY THIELE, MSN, APRN, RNFA, AGACNP-BC

This continuing education nursing symposium has been designed with an emphasis on providing the best in patient care. Provider approved by the California Board of Registered Nursing, Provider #8495 for 4.5 contact hours.

Registration Fee: \$40

View the program, accreditation information, educational objectives, and register online at: www.houstonaorticsymposium.com/nursing.html

FACULTY

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SABINE WIPPER, MD

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Innsbruck, Austria

2024 SCIENTIFIC PROGRAM

THURSDAY, MARCH 21

7:00 – 8:00 AM

Continental Breakfast,
Registration, and View
Exhibits

8:00 – 8:05 AM

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

8:05 – 8:10 AM

Opening Remarks
Anthony Estrera, MD
Ali Azizzadeh, MD

SESSION I: STRUCTURAL HEART

Moderators:
Danny Ramzy, MD, PhD
Michael Mack, MD

8:10 – 8:18 AM

Role of Surgery in Aortic
Stenosis
Michael Mack, MD

8:19 – 8:27 AM

Best Surgical Procedure for
Treatment of AS for Lifelong
Management
Ismail El-Hamamsy, MD, PhD

8:28 – 8:36 AM

Robotic AVR: The Anterior
Approach
Husam Balkhy, MD, FACS, FACC

8:37 – 8:45 AM

Use of Aortic Wall for
Autologous Aortic Valve
Leaflet Replacement
James Rankin, MD

8:46 – 8:54 AM

State-of-the-Art in TAVR
Abhijeet Dhoble, MD, MPH

8:55 – 9:03 AM

The Importance of Form
and Function: Surgery
vs. Transcatheter Mitral
Valve Repair
Tom Nguyen, MD

9:04 – 9:12 AM

Robotic Mitral Valve Repair:
Where Were We and Where
Are We Now?
T. Sloane Guy, MD, MBA

9:13 – 9:21 AM

Computational Prediction
of Heart Valve Dynamics
to Aid Diagnosis and
Cardiac Interventions:
Are We There Yet?
Vijay Govindarajan, PhD

9:22 – 9:30 AM

Management of Tricuspid
Regurgitation
Michael Mack, MD

9:31 – 10:00 AM

Panel Discussion

10:00 – 10:30 AM

Break / View Exhibits

SESSION II: AORTIC ROOT/BAV

Moderators:
Dianna M. Milewicz, MD, PhD
Himanshu Patel, MD

10:30 – 10:38 AM

How I Do It Video:
David Procedure After Ross
Edward P. Chen, MD, FACS, FAHA

10:39 – 10:47 AM

Molecular Mechanisms
Driving Aortic Dissections
Dianna M. Milewicz, MD, PhD

10:48 – 10:56 AM

Endovascular Aortic Root
Repair (Endo-Bentall) in
Acute Type A Dissection
Mehrddad Ghoreishi, MD

10:57 – 11:05 AM

Aortic Root Geometry
Following Composite Valve
Graft Implantation
Marek Ehrlich, MD

11:06 – 11:14 AM

Aortic Root Management
in Acute Type A Aortic
Dissection
Davide Pacini, MD, PhD

11:15 – 11:23 AM

Clinical Implication of Blood
Flow in the Aorta
Himanshu Patel, MD

11:24 – 11:32 AM

Challenging Cases in Aortic
Root Replacement
Dimitrios Iliopoulos, MD

11:33 – 11:41 AM

Ascending Thoracic Aortic
Aneurysm Biomechanics
and Future Implications
Elaine Tseng, MD

11:42 AM – 12:00 PM

Panel Discussion

12:00 – 1:00 PM

Lunch

SESSION III: ASCENDING AORTA

Moderators:
Ourania Preventza, MD, MBA, FACS
Jehangir Appoo, MDCM, FRCSC

1:10 – 1:18 PM

What Is Going on with the
Aortic Guidelines?
Ourania Preventza, MD, MBA, FACS

1:19 – 1:27 PM

Novel Predictors of False Lumen Degeneration in Uncomplicated Type B Aortic Dissection: 4D Flow MRI and Computational Fluid Dynamics
Bradley Leshnower, MD

1:28 – 1:36 PM

Titan:SvS: A Randomized Trial on the Ascending Aorta
Jehangir Appoo, MDCM, FRCSC

1:37 – 1:45 PM

The PERSEVERE Trial – The AMDS Hybrid Device in Acute DeBakey I with Malperfusion
Wilson Szeto, MD

1:46 – 1:54 PM

Stent Graft Therapy in the Ascending Aorta
Himanshu Patel, MD

1:55 – 2:03 PM

AI-Based Facial Analysis for Diagnosis of Heritable Thoracic Aortic Disease
David Murdock, MD

2:04 – 2:12 PM

Contemporary Endovascular Approaches to Aortic Arch Pathology
George Arnaoutakis, MD

2:13 – 2:21 PM

Management of the Aortic Arch in Acute Type A Aortic Dissection
Kim de la Cruz, MD

2:22 – 2:30 PM

Optimizing Medical Management and Recommendations for Physical Activity in the Post Dissection Patient
Siddharth Prakash, MD, PhD

2:31 – 2:55 PM

Panel Discussion

2:55 – 3:15 PM

Break / View Exhibits

SESSION IV: TRANSVERSE ARCH

Moderators:

Luis Sanchez, MD
Marek Ehrlich, MD

3:15 – 3:23 PM

Frozen Elephant Trunk for Complex Aortic Repair
Davide Pacini, MD

3:24 – 3:32 PM

How I Do It: Ascending Arch Replacement with Frozen Elephant Trunk
Maral Ouzounian, MD, PhD

3:33 – 3:41 PM

Aortic Dissection – Can We Predict When a FET Is the Right Procedure?
Michael Moon, MD, FRCSC

3:42 – 3:50 PM

Distinct Risks of Types A and B Dissection in Marfan Syndrome
Nupoor Narula, MD, MSc, FACC

3:51 – 3:59 PM

Risk of Cerebral Embolization During Endovascular Repair – Progress and Limitations
Grace Wang, MD, MSCE

4:00 – 4:08 PM

Current Indications and Outcomes of Innominate, Carotid and Subclavian Debranching Procedures
Naveed Saqib, MD

4:09 – 4:17 PM

In Situ Arch Repair: Pitfalls, Indications and Limitations
Jean Panneton, MD

4:18 – 4:26 PM

Antegrade Arch Devices
Luis Sanchez, MD

4:27 – 4:35 PM

Retrograde Patient Specific Arch Devices
Darren B. Schneider, MD

4:36 – 4:44 PM

Cervical Debranching in Arch Surgery
Jason Faulds, MD, MHSc, FRCSC

4:45 – 5:00 PM

Panel Discussion

FRIDAY, MARCH 22

7:00 – 8:00 AM

Continental Breakfast and View Exhibits

8:00 – 8:10 AM

Opening Remarks
Anthony Estrera, MD
Ali Azzadeh, MD

SESSION V: ABDOMINAL AORTA & ILIACS

Moderators:

Peter Gloviczki, MD, PhD, FACS
Fabio Verzini, MD, PhD, FEBVS

8:10 – 8:18 AM

Recommendations from SVS/ESVS/AHA Guidelines for Management of Abdominal Aortic Aneurysms
Peter Gloviczki, MD, PhD, FACS

8:19 - 8:27 AM

Hence Verhagen, MD, PhD

8:28 - 8:36 AM

Which Anatomical Surrogate Matter and Which Don't for EVAR Selection?

Hence Verhagen, MD, PhD

8:37 - 8:45 AM

Virtual Modeling Using Analysis of Anatomical Imaging May Optimize Outcomes of EVAR
Randy Moore, MD, FACS, FRCSC

8:46 - 8:54 AM

Optimizing EVAR Surveillance According to Sac Behavior: How to Identify At-Risk Patients?
Javairah Fatima, MD

8:55 - 9:03 AM

Sex Related Differences, Implications for Device Selection and Outcomes
Rana Afifi, MD

9:04 - 9:12 AM

Pitfalls for EVAR in Short and Angulated Necks Using Infraarenal Devices
Constantino Peña, MD

9:13 - 9:21 AM

Lessons Learned from EVAR Explants
Peter Gloviczki, MD, PhD, FACS

9:22 - 9:30 AM

Indications and Outcomes of Iliac Preservation Using Branch Devices

9:31 - 9:39 AM

Failure Mechanisms of Iliac Branch Devices and How to Handle Them?

Fabio Verzini, MD, PhD, FEBVS

9:40 - 10:00 AM

Panel Discussion

10:00 - 10:30 AM

Break / View Exhibits

SESSION VI: ACUTE AORTIC SYNDROME

Moderators:

Joseph Bavaria, MD, FACC

Ali Azzadeh, MD

10:30 - 10:38 AM

Recommendations of SVS/ STS/ ESVS/AHA for Management of Acute TBAD

10:39 - 10:47 AM

Equipoise: Why Is a Clinical Trial Justified and What Is the Best End-Point?

Firas Mussa, MD

10:48 - 10:56 AM

Zone 2 Approach to Acute Type A Dissection
Joseph Bavaria, MD

10:57 - 11:05 AM

Strategies for Managing Uncomplicated TBAD with TEVAR: Timing, Length of Coverage and Adjunctive Techniques
Joseph Lombardi, MD, MBA, FACS

11:06 - 11:14 AM

Stabilize Technique Pitfalls and Outcomes
Caitlin Hicks, MD, MS

11:15 - 11:23 AM

Increasing Utilization of Off the Shelf Retrograde Branch Devices in Zone 2 for Acute TBAD and Other Emergencies
Steven Maximus, MD

11:24 - 11:32 AM

Individualized Treatment of Acute IMH and PAUs
Ali Azzadeh, MD

11:33 - 11:41 AM

Decoding the Spectrum of Genetic Risk in Thoracic Aortic Disease: Insights from Large-Scale Biobanks
Alana Cecchi, MS, CGC

11:42 AM - 12:00 PM

Panel Discussion

12:00 - 1:00 PM

Lunch

SESSION VII: DTAAS/TAAAS AND CHRONIC DISSECTIONS

Moderators:

Sherene Shalhub, MD, MPH, FACS, DFSVS

Hence Verhagen, MD, PhD

1:10 - 1:18 PM

Clinical Practice Guideline Recommendations for Management of Chronic Aortic Dissections and DTAAs
Fabio Verzini, MD, PhD, FEBVS

1:19 - 1:27 PM

TEVAR with False Lumen Occlusion Techniques, Indications and Outcomes
Hence Verhagen, MD, PhD

1:28 - 1:36 PM

Transcatheter Electrosurgical Septotomy: Indications, Pitfalls and Results
Sophia Khan, MD

1:37 - 1:45 PM

FB-EVAR for Chronic Dissections: Pitfalls, Outcomes and Limitations
Darren B. Schneider, MD

1:46 - 1:54 PM

Endovascular Options and Outcomes in Patients with Genetically Triggered Aortic Diseases
Sherene Shalhub, MD, MPH, FACS, DFSVS

1:55 - 2:03 PM

Urgent vs. Elective FB-EVAR: Differences in Outcomes and Implications for Patient Selection

2:04 - 2:12 PM

Role of PMEGs with and without Access to Manufactured Devices

2:13 - 2:21 PM

In Situ Endovascular Incorporation of Renal and Mesenteric Incorporation for Urgent Repair of TAAAs
Jean Panneton, MD

2:22 - 2:30 PM

Endovascular Repair of Aortic Coarctation: Indications and Results
Young Erben, MD

2:31 - 2:45 PM

Panel Discussion

2:45 - 3:15 PM

Break / Visit Exhibits

SESSION VIII: TAAA

Moderators:

Gustavo S. Oderich, MD
Anthony Estrera, MD

3:16 - 3:24 PM

Recommendations from Clinical Practice Guidelines for Management of TAAAs
Anthony Estrera, MD

3:25 - 3:33 PM

Evolution of Open TAAA Repair Techniques and Current Best Practices
Hazim J. Safi, MD

3:34 - 3:42 PM

Predictors for Recovery of Spinal Cord Injury
Akiko Tanaka, MD, PhD

3:43 - 3:51 PM

Technical Pitfalls and Outcomes of Open TAAA Repair in Patients with Genetically Triggered Aortic Diseases
Joseph Coselli, MD

3:52 - 4:00 PM

Update on the Spider Graft Hybrid Approach to TAAA Repair
Sabine Wipper, MD

4:01 - 4:09 PM

Is Centralization of Care Warranted for Open/Endovascular TAAA Repair?

4:10 - 4:18 PM

Implementation of a Fenestrated-Branched Endovascular Program and its Effect on Outcomes
Gustavo S. Oderich, MD

4:19 - 4:27 PM

Staging Strategies, Risk of Interval Aortic Events and Patient Selection

4:28 - 4:36 PM

Evolving Strategies to Prevent Spinal Cord Injury in the US ARC and Implications on Patient Survival and Outcomes
Adam Beck, MD

4:37 - 4:45 PM

Lessons from US ARC on FB-EVAR for TAAAs
Matthew Eagleton, MD

4:46 - 5:10 PM

Panel Discussion

SATURDAY, MARCH 23

7:30 - 8:25 AM

Continental Breakfast & Registration

8:25 - 8:30 AM

Opening Remarks

SESSION IX: ABSTRACT SESSION

Moderator:

Charles C. Miller III, PhD

8:30 - 10:00 AM

Oral Abstract Presentations

10:00 - 10:30 AM

Break

10:30 - 11:25 AM

Oral Abstract Presentations

11:25 - 11:30 AM

Closing Remarks

Hazim J. Safi, MD

David D. McPherson, MD

LOCATION

The Westin Oaks Hotel Houston
5011 Westheimer
Houston, TX 77056

HOTEL ACCOMMODATION

A group rate of \$246 + tax per evening, for single or double occupancy has been made available at the Westin Oaks Hotel. To make your reservation at the group rate, please go to www.houstonaorticssymposium.com for the link, or you may call the hotel at 713-960-8100. Be sure to mention that you are with the Houston Aortic group to receive the special rate. The Westin Oaks will honor the group rate for Houston Aortic attendees through February 23, 2024 or as space allows.

PAYMENT

Registration fees may be paid by credit card using Visa, MasterCard, American Express or Discover. Fees may also be paid by check, payable to Promedica International CME in US dollars, drawn on a US bank.

REFUNDS

All cancellations must be submitted in writing and refunds will be subject to a \$100 administrative charge. Cancellations will not be accepted over the phone. No refunds will be processed within 45 days of the meeting.

SOCIAL EVENT

The following event has been arranged for participants:

Welcome Reception and Registration

March 20, 2024 at 5:00 pm
Grand Foyer, 3rd Level at the Westin Oaks Hotel

REGISTRATION FEE INFORMATION

Registration fee includes tuition, continental breakfast, coffee breaks, lunch, reception and scientific program materials.

- \$795 Physician/Industry through February 11, 2024
- \$895 Physician/Industry after February 11, 2024
- \$495 Resident/Fellow/NP/PA/CCP/Nurse/Technician through February 11, 2024
- \$595 Resident/Fellow/NP/PA/CCP/Nurse/Technician after February 11, 2024

To register, please visit www.promedicacme.com or www.houstonaorticssymposium.com, or return the following form by mail or fax to:

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300 Carlsbad Village Drive, Ste 108A-326
Carlsbad, CA 92008
Phone: 760-720-2263
Fax: 760-444-3158
Email: Rlaw@promedicacme.com

The Houston Aortic Symposium
Frontiers in Cardiovascular Diseases

THE SIXTEENTH IN THE SERIES

March 21, 22 & 23, 2024

To register online for The Houston Aortic Symposium, please visit www.promedicacme.com or www.houstonaorticssymposium.com

PHYSICIAN/INDUSTRY

- ☐ \$795 through February 11, 2024
- ☐ \$895 after February 11, 2024

RESIDENT/FELLOW/NP/PA/CCP/
NURSE/TECHNICIAN

- ☐ \$495 through February 11, 2024
- ☐ \$595 after February 11, 2024

MARCH 20TH NURSE
SYMPOSIUM

- ☐ \$40

All fees in US dollars drawn on US banks

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March 21, 22 & 23, 2024

The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases

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The Westin Oaks Hotel, Houston, Texas

Here's What They're Saying:

- *This was an absolutely fantastic symposium! The course content was diverse – to include fundamentals, contemporary literature and practice guidelines in premier cardiovascular centers.*
- *This is such an outstanding mind-opener symposium. Very systematic, organized and insightful.*
- *Very interesting curriculum with excellent presenters. Ample time for discussion and questions was allowed. Overall an excellent symposium!*
- *The diverse selection of speakers from all over the world makes this symposium unique.*
- *This symposium gathers all of the pioneers in vascular and endovascular surgery from the US and internationally.*

