



March 7, 8 & 9, 2019

The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases

THE TWELFTH IN THE SERIES

The Westin Oaks Hotel, Houston, Texas

SYMPOSIUM CHAIRMEN

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

PROGRAM DIRECTORS

ANTHONY ESTRERA, MD
ALI AZIZZADEH, MD



PROGRAM

PROGRAM DESCRIPTION

This two-and-a-half day live symposium, which is the twelfth in an annual series, has been designed to present and discuss the diagnosis and treatment paradigms for aortic diseases, including medical, endovascular, surgical, and hybrid options. Sessions topics will include Structural Heart, Aortic Root/BAV, Ascending Aorta/Aortic Dissection (Proximal), Transverse Arch, Aortic Dissection (Distal), DTAA/TEVAR/EVAR, Genetics/Imaging/Technology and TAAA.

The scientific program was formulated by consulting the current literature and national data, in conjunction with the expertise of the Program Directors and esteemed faculty, and incorporating information gathered from online needs assessment surveys and evaluation outcomes.

EDUCATIONAL OBJECTIVES

After attending the symposium, participants should be able to:

- ♦ Examine the current techniques in minimally and robotic invasive cardiac surgery
- ♦ Review the most recent results of transcatheter aortic and mitral valve replacement
- ♦ Review of complex structural heart issues as it relates to patient-centered care and communication
- ♦ Review management of the left atrial appendage
- ♦ Understand the current management of acute/chronic, symptomatic/asymptomatic, and complicated/uncomplicated aortic dissection
- ♦ Examine updates on the management of bicuspid aortic valve and other heritable thoracic aortic diseases
- ♦ Compare the differing approaches to the valve sparing aortic root replacement (David procedure)
- ♦ Examine novel approaches to the management of acute type A aortic dissection
- ♦ Compare the latest results for open, hybrid, and endovascular repair for the transverse aortic arch
- ♦ Understand differences between brain protection strategies including monitoring
- ♦ Examine current use of the elephant trunk procedure for transverse arch replacement
- ♦ Compare differing techniques for the management of the false lumen in Type B aortic dissection

- ♦ Review the current management of acute and chronic type B aortic dissection
- ♦ Evaluate updates on recent advances in vascular genetics
- ♦ Review current management of the bicuspid aortic valve and its aortopathy
- ♦ Examine current management of acute pulmonary embolism
- ♦ Understand the latest techniques in open and endovascular management of complex abdominal aortic aneurysms
- ♦ Contrast open and endovascular techniques for thoracoabdominal aortic aneurysm management
- ♦ Review current strategies for spinal cord protection

CME ACCREDITATION AND DESIGNATION



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 16.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Provider approved by the California Board of Registered Nursing, Provider #8495 for 16.5 contact hours.

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

ABIM MOC ACCREDITATION



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16.5 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.

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.

COMMERCIAL SUPPORT

This program is supported in part by educational grants and exhibits from industry, in accordance with the ACCME's Standards for Commercial Support. At the time of printing, a complete list of commercial supporters was not available. Appropriate acknowledgement will be given to all supporters in meeting materials onsite.

FACULTY DISCLOSURE

In accordance with the ACCME Standards for Commercial Support, course directors, planning committees, faculty and all others in control of the educational content of the CME activity must disclose all relevant financial relationships with any commercial interest that they or their spouse/partner may have had within the past 12 months. If an individual refuses to disclose relevant financial relationships, they will be disqualified from being a part of the planning and implementation of this CME activity. Employees of a commercial interest with business lines or products relating to the content of the CME activity will not participate

in the planning or any accredited portion of the conference. Disclosure will be made to all participants at the conference location, prior to the educational activity commencement.

ACTIVITY EVALUATION

Evaluation by online questionnaire will address content, presentation and future educational needs.

ABSTRACT SUBMISSION

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

Deadline for Abstract Submissions:
February 1, 2019

Abstract Categories

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

SECOND ANNUAL HOUSTON AORTIC NURSING SYMPOSIUM

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.

Wednesday, March 6, 2019 ♦ 12:00 – 5:00 PM
Westin Oaks, Houston, Texas

PROGRAM DIRECTOR: JODY THIELE, MSN, APRN, AGACNP-BC

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

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Macquarie University Hospital
Sydney, Australia

2019 SCIENTIFIC PROGRAM

THURSDAY, MARCH 7

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
Saibal Kar, 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 – 9:53 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

9:54 – 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
Saibal Kar, MD

9:12 – 9:20 AM

Treating Degenerative
Mitral Regurgitation
with Surgery
Harold G. Roberts, Jr., MD

9:21 – 9:29 AM

TAVR for Bicuspid Aortic
Valve Disease: Is It Better
Than Surgery?
Tsuyoshi Kaneko, MD

9:30 – 10:00 AM

Panel Discussion

10:00 – 10:30 AM

Break/View Posters
& Exhibits

SESSION II: AORTIC ROOT/BAV

Moderators:

Duke Cameron, MD
Eric Roselli, MD

10:30 – 10:38 AM

Reconstructive Options
at the Aortic Root During
Type A Dissection Repair:
Decision Making and
Outcomes
Joseph Bavaria, MD

10:39 – 10:47 AM

Loeys-Dietz Syndrome:
More Complicated Than
We Thought
Duke Cameron, MD

10:48 – 10:56 AM

Standardized 180 Degree
Approach to Bicuspid
Valve Preserving Root
Replacement
Eric Roselli, MD

10:57 – 11:05 AM

VSRR for Bicuspid Valve AI
Edward P. Chen, MD

11:06 – 11:14 AM

Effect of Aneurysm and
Bicuspid Aortic Valve on
Layer-Specific Ascending
Aorta Mechanics
Dimitrios Iliopoulos, MD

11:15 – 11:23 AM

Systematic Valsalva-David
Reimplantation
Hitoshi Ogino, MD

11:24 – 11:32 AM

Minimally Invasive
Treatment of the Ascending
Aorta and Root
Juan P. Umaña, MD

11:33 – 11:41 AM

The Present Status and Prospect for Treatment of Structural Heart Diseases in Tianjin Chest Hospital

Hongliang Cong, MD, PhD

11:42 AM – 12:00 PM

Panel Discussion

12:00 – 1:00 PM

Lunch

**SESSION III:
ASCENDING AORTA/
AORTIC DISSECTION
(PROXIMAL)**

Moderators:

Joseph Bavaria, MD

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

Li-Zhong Sun, MD, PhD

1:51 – 1:59 PM

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

Bradley G. Leshnower, 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, MD, MMS

2:27 – 3:00 PM

Panel Discussion

3:00 – 3:30 PM

Break/View Posters & Exhibits

**SESSION IV:
TRANSVERSE ARCH**

Moderators:

Roberto Di Bartolomeo, MD

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 and 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

4:42 – 5:00 PM

Panel Discussion

5:00 PM

Adjourn



FRIDAY, MARCH 8

7:00 – 7:50 AM

Continental Breakfast
and View Exhibits



SESSION V: AORTIC DISSECTION (DISTAL)

Moderators:

Ali Azizzadeh, MD
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 Tsagakakis, 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/View Posters
& Exhibits



SESSION VI: DTAA/TEVAR/EVAR

Moderators:

Thoralf M. Sundt III, MD
Benjamin Starnes, MD

10:20 – 10:28 AM

How Guidelines Are
Made and How They
Should Be Used

Thoralf M. Sundt III, MD

10:29 – 10:37 AM

Threshold for Aortic
Aneurysmectomy

John A. Elefteriades, MD, PhD (hon)

10:38 – 10:46 AM

Endoleak and
Expanding AAA

Michel Makaroun, MD

10:47 – 10:55 AM

Use of Automated
Software to Simplify
FEVAR

Benjamin Starnes, MD

10:56 – 11:04 AM

EVAR Explants

Sean Lyden, MD

11:05 – 11:13 AM

Aortic Trauma Foundation
Registry Update

Naveed Saqib, MD

11:14 – 11:22 AM

NICE Guidelines
for AAA Repair

Nicholas J.W. Cheshire, MD

11:23 – 11:45 AM

Panel Discussion

11:45 AM – 12:45 PM

Lunch



SESSION VII: GENETICS/IMAGING/ TECHNOLOGY

Moderators:

Scott LeMaire, MD
Sherene Shalhoub, MD, MPH

1:00 – 1:08 PM

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

Dianna M. Milewicz, MD, PhD

1:09 – 1:17 PM

Turners Syndrome: New
Guidelines for Treatment

Siddharth Prakash, MD, PhD

1:18 – 1:26 PM

Biomechanics of the Aorta

Kumbakonam R. Rajagopal, PhD

1:27 – 1:35 PM

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

Sherene Shalhub, MD, MPH

1:36 – 1:44 PM

Fluoroquinolones and Aneurysms

Scott LeMaire, MD

1:45 – 1:53 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

1:54 – 2:02 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

2:03 – 2:11 PM

Thrombolysis for Massive and Submassive Pulmonary Embolism

Sheila M. Coogan, MD

2:12 – 2:20 PM

Transcranial Doppler Ultrasound in Cardiovascular Surgery

Zsolt Garami, MD

2:21 – 2:40 PM

Panel Discussion

2:40 – 3:00 PM

Break/View Posters & Exhibits

SESSION VIII: TAAA

Moderators:
Anthony Estrera, MD
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

Gustavo Oderich, MD
Bernardo Mendes, MD

3:54 – 4:02 PM

Spider Graft

Sabine Helena Wipper, MD

4:03 – 4:11 PM

Spinal Cord Protection: Maximizing Tolerance

T. Brett Reece, MD

4:12 – 4:20 PM

Blood Conservation in TAAA Repair

Shao Feng Zhou, MD

4:20 – 4:28 PM

TAAA: The Houston Experience

Hazim J. Safi, MD

4:29 – 5:00 PM

Panel Discussion

5:00 PM

Adjourn

SATURDAY, MARCH 9

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 – 10:00 AM

Oral Abstract Presentations

10:00 – 10:30 AM

Break/View Posters

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 symposium will be held at the Westin Oaks Hotel in Houston, Texas.

HOTEL ACCOMMODATION

A group rate of \$255 + tax 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.promedicacme.com for the link, or you may call the hotel directly at 1-888-627-8514. All reservations must be made by February 11, 2019 to receive the group rate.

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 given after February 1, 2019.

SOCIAL EVENT

The following event has been arranged for participants:

Welcome Reception and Registration

March 6, 2019 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 1, 2019

\$895 Physician/Industry after February 1, 2019

\$495 Resident/Fellow/NP/PA/CCP/Nurse/Technician through February 1, 2019

\$595 Resident/Fellow/Nurse/Technician after February 1, 2019

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) 720-6263

Email: Rlaw@promedicacme.com

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March 7, 8 & 9, 2019

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

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March 7, 8 & 9, 2019

The Houston Aortic Symposium

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The Westin Oaks Hotel, Houston, Texas

Here's What They're Saying:

- *A very well organized symposium! The topics were very current and generated much fruitful and thoughtful discussion.*
- *This symposium gathers all of the pioneers in vascular and endovascular surgery from the US and internationally!*
- *The best aortic symposium I have ever attended!*
- *Excellent, high-quality presentations delivered by leading experts in their fields providing a comprehensive approach to a full range of aortic diseases.*
- *The density of information provided at this symposium is astonishing. Unmatched by any other meeting that I have attended!*
- *The collection of world class faculty and the quality of the talks sets a standard that is very difficult to emulate.*

