



March 5, 6 & 7, 2020

# The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases

THE THIRTEENTH IN THE SERIES

The Westin Oaks Hotel, Houston, Texas

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## SYMPOSIUM CHAIRMEN

ANTHONY ESTRERA, MD ♦ ALI AZIZZADEH, MD

## PROGRAM DIRECTORS

KRISTOFER M. CHARLTON-OUW, MD ♦ TOM C. NGUYEN, MD

## HONORARY CHAIRMEN

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

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# PROGRAM

## PROGRAM DESCRIPTION

This two-and-a-half day live symposium, which is the thirteenth 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. Session topics will include Structural Heart, Aortic Root/BAV/Ascending Aorta, Transverse Arch/Great Vessels, Abdominal Aorta/Education, Aortic Dissection, Genetics/Imaging/Activity, DTAA/TEVAR/EVAR, 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 updates in complex structural heart issues including TAVR, TMVR, and management of the left atrial appendage
- Compare aortic valve repair and spacing procedures and discuss new genetic discoveries for BAV
- Debate the need for the frozen elephant trunk procedure and if arch branch stenting is ready for mainstream use
- Explain current cerebral protection strategies in aortic arch surgery
- Evaluate the need for a paradigm shift in cardiothoracic surgery training
- Contrast the latest techniques in open and endovascular management of complex abdominal aortic aneurysms
- Compare the “best approaches” for Acute Type A Aortic Dissection
- Evaluate the genetic counseling information that surgeons need to know
- Discuss management of thoracic aortic disease based on underlying gene mutation
- Review recent updates on TEVAR including adjunctive techniques, proximal neck size, and addressing infections
- Compare open vs. endovascular and hybrid repair for TAAA

## 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 16.75 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 16.75 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](http://www.promedicacme.com) and [www.houstonaorticsymposium.com](http://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 16.75 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.



## 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. 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.

## 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.

## ABSTRACT SUBMISSION

Original abstracts will be considered for oral/video presentation and poster display when submitted online at [www.promedicacme.com](http://www.promedicacme.com) or [www.houstonaorticssymposium.com](http://www.houstonaorticssymposium.com).

**Deadline for Abstract Submissions:**  
**January 24, 2020**

### Abstract Categories

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

## THIRD 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 4, 2020 ♦ 12:00 – 5:00 PM  
Westin Oaks, Houston, Texas

### PROGRAM DIRECTOR:

JODY THIELE, MSN, APRN, AGACNP-BC

### PROGRAM CO-DIRECTORS:

SELENA AKERS, RN

LISA DEGARMO, MSN, RN, ACNP-BC

MISTI PETERS, RN

CRISTINA SOLA, MSN, RN-BC, NP-C

Registration Fee: \$40

View the program, accreditation information, educational objectives, and register online at:  
[www.houstonaorticssymposium.com/nursing.html](http://www.houstonaorticssymposium.com/nursing.html)

# FACULTY

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University Heart and Vascular Center Hamburg  
Hamburg, Germany



# 2020 SCIENTIFIC PROGRAM

## THURSDAY, MARCH 5

6:45 – 7:45 AM

Continental Breakfast,  
Registration, and View  
Exhibits

7:45 – 7:50 AM

Introduction

Hazim J. Safi, MD

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 Dhole, MD, MPH

8:45 – 8:53 AM

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

Isaac George, MD

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

Jorge Salazar, MD

9:21 – 9:29 AM

Update on Percutaneous  
Atrial Appendage Closure

Tarun Chakravarty, MD

9:30 – 9:38 AM

Alternative Access to TAVR

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

More Care for the Aortic  
Valve in Aortic Surgeries

Hitoshi Ogino, MD, PhD

10:47 – 10:55 AM

Aortic Valve Repair  
and Sparing Procedures  
For Valve Insufficiency  
or Root Aneurysms

Dimitrios Iliopoulos, MD

10:56 – 11:04 AM

Bicuspid Aortic Valve:  
New Genetic Discoveries

Siddharth Prakash, MD, PhD

11:05 – 11:13 AM

How Do We Counsel  
Young At Risk Patients  
Preconception?

Eric Isselbacher, MD, MSc

11:14 – 11:21 AM

Management of Thoracic  
Aortic Disease Based  
on the Underlying Gene  
Mutation

Dianna Milewicz, MD, PhD

11:22 – 11:40 AM

Panel Discussion

11:40 AM – 12:50 PM

Lunch

### SESSION III: TRANSVERSE ARCH/ GREAT VESSELS

Moderators:

Marek Ehrlich, MD

Davide Pacini, MD, PhD

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

Cerebral Protection  
in Aortic Arch Surgery

Davide Pacini, MD, PhD

1:27 – 1:35 PM

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

Ourania Preventza, MD, MBA

1:36 – 1:44 PM

Arch Branch Stenting;  
Ready for Mainstream?

Nicholas J.W. Cheshire, MD

1:45 – 1:53 PM

Arch Debranching:  
Not As Easy As You Think

Bruce Tjaden, MD

1:54 – 2:02 PM

Combined Carotid  
Interventions

W. Darrin Clouse, MD

2:03 – 2:11 PM

In Situ Fenestration  
of Aortic Arch

Jean M. Panneton, MD,  
FRCSC, FACS

2:12 – 2:20 PM

Does Chronic Kidney  
Disease Affect Blood  
Conservation in Aortic  
Surgery

Shao-Feng Zhou, MD

2:20 – 2:40 PM

Panel Discussion

2:40 – 3:10 PM

Break / Visit Exhibits

### SESSION IV: ABDOMINAL AORTA/ EDUCATION

Moderators:

Sheila Coogan, MD

Sherene Shalhub, MD, MPH

3:10 – 3:18 PM

Is EVAR a Cure for AAA?

Sheila Coogan, MD

3:19 – 3:27 PM

EndoAnchors Can Improve  
Results in Challenging  
Aortic Anatomies

William Jordan, Jr., MD

3:28 – 3:36 PM

Engaging Patients as  
Research Partners in Aortic  
& Arterial Research

Sherene Shalhub, MD, MPH

3:37 – 3:45 PM

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

R. Clement Darling III, MD

3:46 – 3:54 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

3:55 – 4:03 PM

Use and Impact of Wifl  
Classification

Joseph Mills, MD

4:04 – 4:12 PM

Seasonality of Acute  
Aortic Dissection

Harleen Sandhu, MD, MPH

4:13 – 4:21 PM

Ongoing Evolution  
of Outpatient  
Cardiovascular Centers

Stuart Harlin, MD

4:22 – 4:30 PM

Management of the  
Abdominal Aortic  
Aneurysm After Chronic  
Distal Aortic Dissection

Naveed Saqib, MD

4:31 – 4:39 PM

Isolated Vascular Graft  
Infections in the Groin

Matthew Smeds, MD

4:40 – 4:49 PM

The Nice Guidelines:  
Will They Change  
Anything?

Michel Makaroun, MD

4:50 – 4:58 PM

Type B Aortic Dissections  
and Cocaine – A Different  
Disease Process

Frank R. Arko, III, MD

4:59 – 5:15 PM

Panel Discussion

5:15 PM

Adjourn





## FRIDAY, MARCH 6

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

Evolving Understanding  
of High-Risk Features of  
Type B Aortic Dissections

Santi Trimarchi, MD, PhD

8:18 – 8:26 AM

Reinterventions and  
TEVAR for Chronic Type B  
Aortic Dissection

Adam Beck, MD

8:27 – 8:35 AM

The “TEVAR-1st”  
Technique for Type A  
Dissection with Mesenteric  
Malperfusion

Bradley G. Leshnower, MD

8:36 – 8:44 AM

Understanding the Window  
of Success in TBAD

Ali Azizzadeh, MD

8:45 – 8:53 AM

Early Clinical Outcomes  
of Type A Dissection  
Repair with Novel  
Uncovered Arch Stent

Maral Ouzounian, MD, PhD

8:54 – 9:02 AM

Best Approach for Acute  
Type A Aortic Dissection:  
Frozen Elephant Trunk

Davide Pacini, MD, PhD

9:03 – 9:11 AM

Best Approach for Acute  
Type A Aortic Dissection:  
Zone 2 Repair

Joseph Bavaria, MD

9:12 – 9:20 AM

Best Approach for Acute  
Type A Aortic Dissection:  
Hemiarch

Steven Lansman, MD, PhD

9:21 – 9:29 AM

Best Approach for Acute  
Type A Aortic Dissection:  
Ascending Stent Grafting

Eric Roselli, MD

9:30 – 10:00 AM

Panel Discussion

10:00 – 10:20 AM

Break/Visit Exhibits



### SESSION VI: GENETICS/ IMAGING/ACTIVITY

Moderator:

John Elefteriades, MD, PhD (hon)

10:20 – 10:28 AM

Ascending Aortic Length -  
The Neglected Dimension  
in Prediction of Aortic  
Events

John Elefteriades, MD, PhD (hon)

10:29 – 10:37 AM

Women’s Vascular  
and Cardiac Health  
Interdisciplinary Initiative  
“WVACHII” from  
Concept to Reality

Rana Afifi, MD

10:38 – 10:46 AM

Role of microRNA in the  
Development of Thoracic  
Aortic Aneurysms

John Ikonomidis, MD, PhD

10:47 – 10:55 AM

Computational Modeling  
Findings and Personalized  
Medicine in Aortic Surgery

Himanshu Patel, MD

10:56 – 11:04 AM

Evidence-Based Exercise  
Limitations in Patients  
with Aortic Disease

Siddharth Prakash, MD, PhD

11:05 – 11:13 AM

Genetic Counseling 101:  
What Surgeons Need  
to Know

Alana Cecchi, MS, CGC

11:14 – 11:22 AM

Extending Ischemic  
Tolerance

T. Brett Reece, MD

11:23 – 11:54 AM

Panel Discussion

11:55 AM – 12:55 PM

Lunch



## SESSION VII: DTAA/TEVAR/EVAR

Moderators:

Nicholas J.W. Cheshire, MD  
Joseph DuBose, MD

1:00 – 1:08 PM

**TEVAR for Blunt Thoracic Aortic Injury – Are We Over Treating This Entity?**

Joseph DuBose, MD

1:09 – 1:17 PM

**TEVAR: The Importance of Proximal Neck Size**

Jason Lee, MD

1:18 – 1:26 PM

**When Should the Descending Aorta be Resected - Descending-Specific, Evidence-Based Recommendations**

John Eleftheriades, 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**

## SATURDAY, MARCH 7

## SESSION IX: ABSTRACT SESSION

Moderators:

Steven Eisenberg, MD  
Charles C. Miller III, PhD  
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**

## 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](http://www.promedicacme.com) for the link, or you may call the hotel directly at 1-888-627-8514. The Westin Oaks will honor the group rate for Houston Aortic attendees through 5:00 pm local time on February 10, 2020, 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 4, 2020 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 January 23, 2020

\$895 Physician/Industry after January 23, 2020

\$495 Resident/Fellow/NP/PA/CCP/Nurse/Technician through January 23, 2020

\$595 Resident/Fellow/NP/PA/CCP/Nurse/Technician after January 23, 2020

To register, please visit [www.promedicacme.com](http://www.promedicacme.com) or [www.houstonaorticssymposium.com](http://www.houstonaorticssymposium.com), or return the following form by mail or fax to:

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# The Houston Aortic Symposium

## Frontiers in Cardiovascular Diseases

THE THIRTEENTH IN THE SERIES

March 5, 6 & 7, 2020

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# The Houston Aortic Symposium

Frontiers in Cardiovascular Diseases

THE TWELFTH IN THE SERIES

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.*
- *Outstanding with balanced presentations of open and endovascular procedures.*
- *Very advanced presentations and stimulated discussion after each session.*
- *Every year the topics and chosen speakers are top notch in their discipline!*
- *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!*
- *The density of information provided at this symposium is astonishing. Unmatched by any other meeting that I have attended!*

