

 CONTINUING MEDICAL EDUCATION

INAUGURAL CLEVELAND AORTIC SYMPOSIUM:

# The Root, The Arch, The Works



FRIDAY, SEPTEMBER 5 - SATURDAY, SEPTEMBER 6, 2025

Tinkham Veale University Center  
11028 Bellflower Road | Cleveland, OH 44106

PRESENTED BY:



**University Hospitals**  
Harrington Heart & Vascular Institute  
Cleveland Ohio

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**CASE WESTERN RESERVE  
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School of Medicine

## FRIDAY, SEPTEMBER 5: PROGRAM AGENDA

- 7 – 7:50 a.m. Registration and Continental Breakfast
- 7:50 – 7:55 a.m. Introductions | Mehdi Shishehbor, DO, MPH, PhD | Joseph Sabik III, MD
- 7:55 – 8 a.m. Welcome | Yasir Abu-Omar, MD, PhD | Jae Cho, MD
- 8 – 8:20 a.m. **KEYNOTE:** Aortic Root Surgery: Life-Long Experience  
Alan Markowitz, MD

### TRACK ONE | AORTIC EVALUATION AND IMAGING

Moderators: Yasir Abu-Omar, MD, PhD | Sanjay Rajagopalan, MD, MBA | Justin Tretter, MD

- 8:20 – 8:30 a.m. Echocardiography in Evaluation of the Aortic Root and Aortic Valve | Ellen Sabik, MD | Andres Schuster, MD
- 8:30 – 8:40 a.m. High-Resolution CT and CTA in Proximal Aortic Evaluation  
Sanjay Rajagopalan, MD, MBA
- 8:40 – 8:50 a.m. 3D CT in Evaluation of Aortic Valve and Aortic Root  
Justin Tretter, MD
- 8:50 – 9 a.m. Cardiac MRI and MRA in Evaluation of the LVOT, Aortic Root and Proximal Aorta | Imran Rashid, MD, PhD
- 9 – 9:15 a.m. Discussion and Audience Q&A

### TRACK TWO | DEBATE: SMALL AORTIC ROOT - WHAT TO DO AND HOW TO DO IT

Moderators: Yakov Elgudin, MD, PhD | Mohamed Halim, MD, PhD | Hani Najm, MD

- 9:15 – 9:25 a.m. Nicks and Manouguian are Safe and Effective | Marc Pelletier, MD
- 9:25 – 9:35 a.m. Yang Approach Should Be the Standard | Kenneth Hassler, DO
- 9:35 – 9:45 a.m. Bentall Operation is a Great Option | Yakov Elgudin, MD, PhD
- 9:45 – 9:55 a.m. Konno Procedure: Better Option Yet? | Hani Najm, MD
- 9:55 – 10:05 a.m. Discussion and Audience Q&A
- 10:05 – 10:20 a.m. **COFFEE & NETWORKING BREAK**

### TRACK THREE | AORTIC VALVE AND ROOT RECONSTRUCTION

Moderators: Yasir Abu-Omar, MD, PhD | Emmanuel Lansac, MD, PhD | Bartosz Rylski, MD

- 10:20 – 10:40 a.m. **KEYNOTE:** Aortic Valve Repair: What and How?  
Emmanuel Lansac, MD, PhD
- 10:40 – 10:50 a.m. Bicuspid Aortic Valve Repair | Hani Najm, MD
- 10:50 – 11 a.m. Management of the Aortic Root in Infective Endocarditis: Time to Go “Commando?” | Mohamed Halim, MD, PhD
- 11 – 11:10 a.m. Redo Aortic Root Replacement | Cristian Baeza, MD
- 11:10 – 11:20 a.m. Aortic Arch Reconstruction for Occlusive Disease of the Great Vessels | Jae Cho, MD
- 11:20 – 11:40 a.m. **KEYNOTE:** Aortic Arch Reconstruction: Practical Approach  
Bartosz Rylski, MD
- 11:40 – 11:50 a.m. Developing a State-of-the-Art Ross Procedure Program from A to Z  
Yasir Abu-Omar, MD, PhD
- 11:50 a.m. – 12 p.m. Ross Procedure: The Devil is in the Details | Yakov Elgudin, MD, PhD
- 12 – 12:10 p.m. Discussion and Audience Q&A
- 12:10 – 1 p.m. **LUNCH, EXHIBITS & NETWORKING**

## FRIDAY, SEPTEMBER 5: PROGRAM AGENDA

### TRACK FOUR |

#### ENDOVASCULAR MANAGEMENT OF ASCENDING AORTA AND AORTIC ARCH

Moderators: Cristian Baeza, MD | Pedro Catarino, MD | Jae Cho, MD

- 1 – 1:10 p.m.      Endo-Wheat Procedure for Ascending Aortic Aneurysm  
Cristian Baeza, MD | William Yoon, MD, PhD
- 1:10 – 1:20 p.m.      Endo-Bentall Procedure | Mehrdad Ghoreishi, MD
- 1:20 – 1:40 p.m.      **KEYNOTE: NEXUS System for Aortic Arch Disease** | Mario Lachat, MD
- 1:40 – 1:50 p.m.      TEVAR for Aortic Arch Aneurysm | William Yoon, MD, PhD
- 1:50 – 2 p.m.      AMDS for Malperfusion in Acute Aortic Dissection  
Fernando Fleischman, MD
- 2 – 2:10 p.m.      ThoraFlex Hybrid Aortic Arch Graft: When and How?  
Pedro Catarino, MD
- 2:10 – 2:30 p.m.      **KEYNOTE: Endovascular Management of the Aortic Arch**  
Sean Crawford, MD, PhD
- 2:30 – 2:40 p.m.      Complex TEVAR in Management of Aortic Aneurysm  
Anthony Lee, MD
- 2:40 - 2:50 p.m.      Discussion and Audience Q&A
- 2:50 – 3 p.m.      **COFFEE & NETWORKING BREAK**

### TRACK FIVE | “WHAT WAS I THINKING?” IN AORTIC SURGERY

Moderators: Fernando Fleischman, MD | Joseph Sabik III, MD | William Yoon, MD, PhD

- 3 – 3:07 p.m.      Straightforward Aortic Root Replacement is  
Never Straightforward | Mohamed Halim, MD, PhD
- 3:07 – 3:14 p.m.      Aortic Valve Repair: What Could Go Wrong?  
Emmanuel Lansac, MD, PhD
- 3:14 – 3:21 p.m.      Aortic Annular Enlargement Can Be Dangerous | Marc Pelletier, MD
- 3:21 – 3:28 p.m.      What Was I Thinking? | Hani Najm, MD
- 3:28 – 3:35 p.m.      What Was I Thinking? | Fernando Fleischman, MD
- 3:35 – 3:42 p.m.      Discussion and Audience Q&A
- 3:42 – 3:49 p.m.      Frozen Elephant Trunk (Thoraflex): Should I Have Done It?  
Pedro Catarino, MD
- 3:49 – 3:56 p.m.      Zone 0 TEVAR: Pitfalls to Consider | William Yoon, MD, PhD
- 3:56 – 4:04 p.m.      What Was I Thinking? | Sean Crawford, MD, PhD
- 4:04 – 4:11 p.m.      What Was I Thinking? | Jae Cho, MD
- 4:11 – 4:18 p.m.      What Was I Thinking? | Cristian Baeza, MD
- 4:18 – 4:25 p.m.      What Was I Thinking? | Bartosz Rylski, MD
- 4:25 – 4:32 p.m.      What Was I Thinking? | Mehrdad Ghoreishi, MD
- 4:32 – 4:39 p.m.      Troubles in the Ross Kingdom | Yakov Elgudin, MD, PhD
- 4:39 – 4:46 p.m.      Discussion and Audience Q&A
- 4:46 – 5 p.m.      Closing Remarks | Yasir Abu-Omar, MD, PhD | Jae Cho, MD
- 5 – 6 p.m.      **COCKTAILS & NETWORKING**

## SATURDAY, SEPTEMBER 6: PROGRAM AGENDA

- 7 – 7:55 a.m. Registration and Continental Breakfast
- 7:55 – 8 a.m. Introduction and Welcome | Yasir Abu-Omar, MD, PhD | Jae Cho, MD

### TRACK SIX | LIFETIME MANAGEMENT OF AORTIC VALVE DISEASE

Moderators: Mehrdad Ghoreishi, MD | Kenneth Hassler, MD | Marc Pelletier, MD

- 8 – 8:10 a.m. Heart Team Approach | Yasir Abu-Omar, MD, PhD
- 8:10 – 8:20 a.m. Important Considerations for TAVR Lifetime Management  
Guilherme Attizzani, MD
- 8:20 – 8:30 a.m. TAVR First or SAVR First? | Cristian Baeza, MD
- 8:30 – 8:40 a.m. Artificial Intelligence in Lifetime Management of Aortic Stenosis  
Anene Ukaigwe, MD
- 8:40 – 8:50 a.m. Surgical Strategies for Facilitating Future TAVR-in-SAVR  
Yakov Elgudin, MD, PhD
- 8:50 – 9:10 a.m. Discussion and Audience Q&A
- 9:10 – 9:30 a.m. **COFFEE & NETWORKING BREAK**

### TRACK SEVEN | HANDS-ON TRAINING

- 9:30 – 10:30 a.m. **AORTIC ROOT INTERVENTION WET LAB**
1. Aortic Root Enlargement: Nicks and Manougian | Marc Pelletier, MD
  2. Aortic Root Enlargement: Yang Technique | Kenneth Hassler, MD
  3. Aortic Root Enlargement: Konno Aorto-Ventriculoplasty | Hani Najm, MD
  4. Ross Procedure | Yakov Elgudin, MD, PhD | Cristian Baeza, MD
  5. "Commando" Procedure | Mohamed Halim, MD, PhD
- 10:30 – 10:50 a.m. **COFFEE BREAK & NETWORKING**
- 10:50 – 11:50 a.m. **ENDOVASCULAR AORTIC INTERVENTION TRAINING**
1. ThoraFlex Frozen Elephant Trunk | Pedro Catarino, MD
  2. AMDS | Fernando Fleischman, MD
  3. Thoracic Branch Endo-Prosthesis (TBE) | William Yoon, MD, PhD
  4. EndoSpan Aortic Arch | Mario Lachat, MD
- 11:50 a.m. – 12 p.m. Closing Remarks | Joseph Sabik III, MD | Mehdi Shishehbor, DO, MPH, PhD
- 12 p.m. Adjourn

### FACULTY DISCLOSURE STATEMENT

As an organization accredited by the ACCME, the Case Western Reserve University School of Medicine CME Program requires that the content of CME activities and related materials provide balance, independence, objectivity, and scientific rigor. All faculty, planners, and others in a position to control continuing medical education content are required to disclose all financial relationships with ineligible companies within the past 24 months regardless of the amount and their view of the relevance of the relationship to the education. Ineligible companies are organizations whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. Faculty (authors, presenters, speakers) are encouraged to provide a balanced view of therapeutic options by utilizing either generic names or other options available when utilizing trade names to ensure impartiality.

The Case Western Reserve University School of Medicine CME Program has implemented a mechanism to identify and resolve all conflicts of interest prior to the activity. The intent of this policy is to identify potential conflicts of interest so participants can form their own judgments with full disclosure of the facts. Participants are asked to evaluate whether the speaker's outside interests reflect a possible bias in the planning or presentation of the activity.

*This program will be supported by grants from industry. A complete list of supporters will be provided in the syllabus materials distributed at the meeting. Acceptance of funding in support of this program does not constitute endorsement of any product or manufacturer.*

## CONFERENCE FACULTY

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### GUEST SPEAKERS

**Pedro Catarino, MD**

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**Sean Crawford, MD, PhD**

Division of Vascular Surgery, University Health Network, Toronto, Canada

**Fernando Fleischman, MD**

Director, Comprehensive Aortic Center, University of Southern California

**Mehrdad Ghoreishi, MD**

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*\*Denotes planning committee member*

## LEARNING OBJECTIVES

- Describe basic aortic root anatomy and physiology
- Interpret details of aortic root evaluation with echocardiography, cardiac CT and MRI
- Review indications and techniques for aortic annulus and aortic root procedures
- Explain indications, techniques and pitfalls of aortic root surgery for infective endocarditis
- Define indications and techniques for aortic valve sparing operations
- Summarize indications and techniques for Ross procedure
- Assess options of endovascular aortic root replacement (Endo-Bentall)
- Compare open, endovascular and hybrid approaches to aortic arch reconstruction
- Apply crucial skills for aortic repair and root enlargement, Ross procedure, Konno aorto-ventriculoplasty, endovascular and aortic arch hybrid operations

## WHO SHOULD ATTEND

Cardiac surgeons, vascular surgeons, interventional cardiologists, structural heart specialists, cardiovascular imaging specialists, critical care physicians, nurse practitioners, nurses, fellows

## FEES

### Physicians

\$100 Friday, September 5  
\$75 Saturday, September 6  
\$150 Both days (Sep 5 – 6)

### APPs/Nurses/Fellows

\$50 Friday, September 5  
\$35 Saturday, September 6  
\$75 Both days (Sep 5 – 6)

## ONLINE REGISTRATION

[cwru.cloud-cme.com/UHAORTIC](http://cwru.cloud-cme.com/UHAORTIC)

## QUESTIONS?

Email [medcme@case.edu](mailto:medcme@case.edu)

## ACCREDITATION STATEMENT

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Attendees should claim only the credit commensurate with the extent of their participation in the activity.

Case Western Reserve University School of Medicine designates this live activity for a maximum of 11.0 AMA PRA Category 1 Credits (TM), or a maximum of 11.0 credits for non-physician attendees.



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