# SCA ANNUAL MEETING & WORKSHOPS

SOCIETY OF CARDIOVASCULAR ANESTHESIOLOGISTS
Knowledge • Care • Investigation

# 2027 Las Vegas



## THURSDAY, APRIL 8 – SUNDAY, APRIL 11, 2027

Bellagio • Las Vegas, Nevada



# WELCOME

Join Us in Las Vegas (the Entertainment Capital of the World) for the Society of Cardiovascular Anesthesiologists 49th Annual Meeting and Workshops April 8 - 11, 2027!

## NEW THIS YEAR — NEW SESSIONS!

### Pre-recorded Sessions

New for 2027, select high-yield sessions focused on important topics in cardiovascular anesthesiology will be available as pre-recorded educational content and offered as an added benefit to all SCA Annual Meeting registrants. This expanded format is designed to reduce the number of concurrent live sessions during the meeting while preserving access to valuable educational material. Registrants will have the opportunity to engage with additional expert-led content at their convenience and revisit key topics after the meeting.

### New Bundling Options for Recorded Content

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# Can't Miss Events!

## SCA WELCOME RECEPTION AND NETWORKING EVENT

**Friday, April 9**

5:30 PM – 7:00 PM

## SCA TRIVIA NIGHT

**Saturday, April 10**

5:00 PM – 6:30 PM



### INTERACTIVE POSTER PRESENTATION SESSIONS

**Friday, April 9**

Scientific Poster Session 1
12:10 PM - 1:10 PM

**Saturday, April 10**

Scientific Poster Session 2
12:15 PM - 1:15 PM

### KEYNOTE SPEAKER:
**Robert Cerfolio, MD, MBA**

***Scaling Exceptionalism via Leadership, Metrics and Work-Life Integration***

**Saturday, April 10**

9:15 AM – 10:15 AM

### LIVE CASE
**Minimally Invasive Mitral and Tricuspid Repair**

**Friday, April 9**

7:00 AM - 9:15 AM

### SUPER ECHO

**Saturday, April 10**

12:30 PM - 2:30 PM

### RESEARCH TRACK
**Late Breaking Research: The Hottest Papers in Anesthesiology – Hot Off the Press or Still in Print**

**Friday, April 9**

2:10 PM - 2:40 PM

**Saturday, April 10**

1:45 PM – 2:15 PM

### BEST OF MEETING ABSTRACT PRESENTATIONS

**Friday, April 9**

Best of Meeting Session 1
3:30 PM - 5:30 PM

**Saturday, April 10**

Best of Meeting Session 2
3:00 PM - 5:00 PM

### EARL WYNANDS' LECTURE SPEAKER:
**Angela Jerath, MD, MSc, FRCPC, FANZCA, BSc**

**Friday, April 9**

9:30 AM – 10:30 AM

### ASA UPDATE / BUSINESS MEETING / AWARDS

**Saturday, April 10**

10:15 AM - 11:15 AM

# *Message from the* President



**Amanda A. Fox**
**MD, MPH**
***SCA President***

Dear Colleagues,

It is my pleasure to invite you to join me and other cardiovascular and thoracic anesthesiologists to attend the Society of Cardiovascular Anesthesiologists (SCA's) 49th Annual Meeting to be held from April 8–11, 2027, in Las Vegas, Nevada.

Each year, our SCA Annual Meeting gives us an opportunity to step away from the demands of our workplaces and to come together as a community. This reprieve allows many of us to think even more critically about where our subspecialty is headed. This year's meeting promises to do all of that—and much more – and it is in Las Vegas! I am particularly excited about the breadth and depth of this year's program and the opportunity to learn from one another, challenge our thinking, share new ideas, and strengthen the connections that make the SCA such a special organization.

The 2027 educational program reflects the remarkable work of the SCA's Scientific Program committee Chair, Vice-Chair and committee members. They have done a wonderful job developing the SCA's 2027 meeting program, which includes an expansive look at perioperative cardiovascular and thoracic issues that anesthesiologists encounter. This meeting will bring together anesthesiologists, surgeons, cardiologists, perfusionists, scientists, and other experts to explore emerging science, evolving clinical practice, and some of the most challenging questions facing our patients and our specialty. In addition to outstanding scientific presentations, the meeting will feature hands-on workshops designed to build practical skills, daily Problem-Based Learning Discussions that encourage lively small-group interaction, and scientific abstracts and challenging case presentations that showcase the work and ideas of our colleagues. New this year, selected high-yield presentations will be offered in a pre-recorded format and made available to all meeting registrants as enduring educational content that can be accessed well beyond the meeting.

I am also delighted that Robert J. Cerfolio, MD, MBA, will join us as this year's keynote speaker. Dr. Cerfolio is an internationally recognized surgeon, leader, educator, and innovator whose career has focused on excellence in clinical care, leadership, and healthcare transformation. His keynote address, "Scaling Exceptionalism via Leadership, Metrics and Work-Life Integration," will offer an engaging perspective on what it takes to build high-performing organizations while maintaining the human connection at the heart of medicine.

Also importantly, the Annual Meeting is an opportunity to reconnect with longtime colleagues, meet the next generation of leaders in our specialty, celebrate the accomplishments of our members, and return to our practices inspired by new ideas and perspectives. Whether you are presenting your latest research, participating in a workshop, engaging in a discussion in a spirited session, or simply catching up with colleagues over coffee, I hope you will make the most of this opportunity to be part of the SCA's community.

I look forward to welcoming you to Las Vegas and to an outstanding four days of learning, collaboration, and collegiality. We hope to see you there!

Warmest regards,

Amanda A. Fox, MD, MPH
SCA President, 2026–2027

Las Vegas

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*Message from the*

# Scientific Program Chairs



**Stephanie Ibekwe**
**MD, MBA, MPH, MS**
***Chair***



**Tara Brakke**
**MD, FASE**
***Vice Chair***

Dear Colleagues,

Please join us at the Society of Cardiovascular Anesthesiologists 49th Annual Meeting and Workshops in exciting Las Vegas, NV, April 8–11, 2027! We look forward to gathering for a first-class educational program in one of the country's most exciting and dynamic destinations.

The 2027 program will feature small-group sessions, hands-on workshops, problem-based learning discussions, presentations, and panel discussions on the timeliest topics in cardiovascular anesthesiology. Sessions will address the latest research, clinical controversies, and evolving areas of practice, with contributions from experts in cardiology, cardiothoracic surgery, perfusion, critical care medicine, regional anesthesiology, and other related disciplines.

Research-focused sessions will highlight the latest trials, cutting-edge work, and scholarship from SCA members through abstract presentations, "Best of Meeting" sessions, Late Breaking Research, and the Anesthesia & Analgesia workshop taught by journal editors. Echocardiography CME hours will be offered in general sessions and workshops, and echo enthusiasts will not want to miss the Super Echo session.

New for 2027, select sessions will be offered as pre-recorded educational content and provided as a benefit to all who register for the Annual Meeting. These sessions are designed to expand access to high-quality education, provide enduring material for registrants, and allow participants to revisit key topics after the meeting.

As in years past, we will offer programming designed for trainees, with sessions focused on the educational and professional development needs of medical students, residents, and fellows. This portion of the meeting will provide mentorship opportunities and welcome our newest colleagues into their subspecialty society.

We also look forward to continued opportunities for networking and engagement throughout the meeting. Our SCA Networking Event will allow attendees to connect with SCA committees, interest groups, councils, vendors, and colleagues. Trivia Night will be an engaging event for all attendees to join, connect with colleagues, and show off their cardiovascular anesthesia knowledge.

Don't miss the opportunity to join us in Las Vegas as we come together to share our knowledge, experience, and enthusiasm for our chosen specialty. We look forward to seeing you in April 2027!

Stephanie Ibekwe, MD, MBA, MPH, MS, Chair
Scientific Program Committee 2027-2028

Tara Brakke, MD, FASE, Vice Chair
Scientific Program Committee 2027-2028

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# Schedule at a Glance

## THURSDAY, APRIL 8

**6:00 AM - 6:30 PM** Registration Open

**12:00 PM - 1:30 PM**

- **PLENARY SESSION** Surgical Approaches to Aortic Valve Therapies in 2027 - From the Ross to the Ozaki Procedure

**1:40 PM - 2:40 PM**

- **GENERAL SESSION** Harassment, Incivility and Disrespect in the Cardiovascular OR and ICU
- **GENERAL SESSION** Promise or Peril: AI in Cardiac Anesthesia

**2:50 PM - 4:05 PM**

- **GENERAL SESSION** Thoracic Endovascular Procedures: To Drain or Not to Drain?
- **GENERAL SESSION** Why Most Quality Improvement Efforts Fail: Building a Sustainable Cardiac QI Program

**3:00 PM - 5:00 PM**

- **NETWORKING/MEALS** Welcome Refreshment

**4:15 PM - 5:30 PM**

- **GENERAL SESSION** Houston, We Have a Problem: Communication Challenges in High Acuity Care, Why They Arise and How We Can Manage Them
- **GENERAL SESSION** Securing the Future Workforce: Recruitment, Retention, and Professional Development in Cardiovascular Anesthesiology

## FRIDAY, APRIL 9

**6:00 AM - 6:30 PM** Registration Open

**6:30 AM - 8:00 AM**

- **NETWORKING/MEALS** Breakfast

**6:30 AM - 7:45 AM**

Thoracic Anesthesia Symposium and Workshops PBLDs 1 - 7 will be held Thursday, April 8.

- **PBLD** **PBLD 8:** Vasoplegia, Vasoactives, and Vitals: Managing Vasoplegia During Redo Cardiac Surgery
- **PBLD** **PBLD 9:** Taking the Mystery Out of the Mitral Valve
- **PBLD** **PBLD 10:** Severe Right Ventricular Dysfunction After Cardiac Surgery: Everyone's Nightmare
- **PBLD** **PBLD 11:** Lung Transplant Management: Strategies, Tips and Tricks

**7:00 AM - 9:15 AM**

- **PLENARY SESSION** Live Case: Minimally Invasive Mitral and Tricuspid Repair

**7:45 AM - 9:15 AM**

- **PLENARY SESSION** Current Concepts in Coronary Revascularization with Heart Team Case Discussion

**9:00 AM - 12:00 PM**

- **WORKSHOP/ SKILL SESSION** ERAS Workshop
- **WORKSHOP/ SKILL SESSION** Hemodynamics Workshop

**9:15 AM - 9:30 AM**

- **NETWORKING/MEALS** Coffee Break with Exhibitors

**9:30 AM - 10:30 AM**

- **PLENARY SESSION** Earl Wynands' Lecture ***Angela Jerath, MD, MSc, FRCPC, FANZCA, BSc***

## FRIDAY, APRIL 9 (CONT'D)

**10:40 AM - 11:40 AM**

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|---|---|
| ● FELLOWS/RESIDENTS | Best in Show |

**10:40 AM - 12:10 PM**

| | |
|---|---|
| ● GENERAL SESSION | Let's Talk About It: An Interactive, Multidisciplinary Discussion of Complex Valvular Pathology Scenarios |
| ● GENERAL SESSION | The Right Ventricle: From Forgotten Chamber to Clinical Priority |
| ● GENERAL SESSION | EACTAIC-SCA Session |

**11:00 AM - 1:00 PM**

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|---|---|
| ● GENERAL SESSION | Innovation Session with Lunch |

**12:10 PM - 1:10 PM**

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| ● RESEARCH | Scientific Poster Session 1 |

**12:10 PM - 1:10 PM**

| | |
|---|---|
| ● NETWORKING/MEALS | Lunch Break with Exhibitors |

**12:10 PM - 2:10 PM**

| | |
|---|---|
| ● FELLOWS/RESIDENTS | MCS Fellow Workshop |

**1:10 PM - 2:10 PM**

| | |
|---|---|
| ● GENERAL SESSION | Hot Topics in Heart and Lung Transplantation [SATA SCA Session] |
| ● GENERAL SESSION | Perioperative Infections in Cardiac Surgery: Myth and Management for the Cardiac Anesthesiologist [SOCCA SCA Session] |
| ● GENERAL SESSION | Pulmonary Hypertension for the Cardiac Anesthesiologist: From OR Management to Advanced Support |

**1:10 PM - 3:10 PM**

| | |
|---|---|
| ● GENERAL SESSION | International Symposium |

**2:00 PM - 5:00 PM**

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|---|---|
| ● WORKSHOP/ SKILL SESSION | 3D TEE Workshop |

**2:10 PM - 2:40 PM**

| | |
|---|---|
| ● RESEARCH | Late Breaking Research: The Hottest Papers in Anesthesiology – Hot Off the Press or Still in Print |
| ● NETWORKING/MEALS | Coffee Break with Exhibitors |

**2:30 PM - 4:30 PM**

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|---|---|
| ● FELLOWS/RESIDENTS | Echo Essentials |

**2:40 PM - 4:10 PM**

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|---|---|
| ● GENERAL SESSION | Acute Kidney Injury after Cardiac Surgery: Prediction, Prevention, and the Long Road Ahead |
| ● GENERAL SESSION | From Bench to Bedside: The Roadmap for Clinical Practice of Advanced Echo Modalities |
| ● GENERAL SESSION | SCA/TAS Joint Session: Under Pressure: Pulmonary Hypertension in Thoracic Anesthesia |

**3:30 PM - 5:30 PM**

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|---|---|
| ● RESEARCH | Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 1 |

**4:20 PM - 5:20 PM**

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|---|---|
| ● FELLOWS/RESIDENTS | Fellows and Residents Poster Session 1 |

# Schedule at a Glance

## FRIDAY, APRIL 9 (CONT'D)

**4:20 PM - 5:20 PM**

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|---|---|
| ● GENERAL SESSION | Getting to Three Stars: The Intersection between Cardiac Anesthesia and STS Quality [STS/SCA Session] |
| ● GENERAL SESSION | PE, CTEPD, CTEPH - Another Dimension of Heart Failure |
| ● GENERAL SESSION | Temporary MCS Issues in Thoracic Transplantation |

**5:30 PM - 7:00 PM**

| | |
|---|---|
| ● NETWORKING/MEALS | Welcome Reception and Networking Event |

## SATURDAY, APRIL 10

**6:00 AM - 6:30 PM** Registration Open

**6:30 AM - 7:45 AM**

| | |
|---|---|
| ● PBLD | **PBLD 12:** Robotic Minimally Invasive Cardiac Surgery: Challenges and Benefits |
| ● PBLD | **PBLD 13:** The Breathless Parturient: Delivery Planning for Severe Symptomatic Mitral Stenosis |
| ● PBLD | **PBLD 14:** Catastrophic Complications during a Transcatheter Aortic Valve Explant |
| ● PBLD | **PBLD 15:** The Hits Keep on Coming: Reoperative Aortic Valve Replacement in a Patient with Heparin-Induced Thrombocytopenia |

**7:00 AM - 8:00 AM**

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|---|---|
| ● NETWORKING/MEALS | Breakfast |

**7:30 AM - 9:00 AM**

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|---|---|
| ● PLENARY SESSION | Expert Roundtable on Bleeding Management in Cardiac Surgery (Case-Based) |

**8:15 AM - 9:15 AM**

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| ● FELLOWS/RESIDENTS | Fellows and Residents Poster Session 2 |

**9:00 AM - 9:15 AM**

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|---|---|
| ● NETWORKING/MEALS | Coffee Break with Exhibitors |

**9:00 AM - 12:00 PM**

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|---|---|
| ● WORKSHOP/ SKILL SESSION | Advanced TEE Workshop |
| ● WORKSHOP/ SKILL SESSION | ECMO Workshop |

**9:15 AM - 10:15 AM**

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|---|---|
| ● PLENARY SESSION | Keynote: Scaling Exceptionalism via Leadership, Metrics and Work-Life Integration<br>***Robert Cerfolio, MD, MBA*** |

**10:15 AM - 10:45 AM**

| | |
|---|---|
| ● PLENARY SESSION | ASA Update<br>***Jeffrey Mueller, MD, FASA, ASA President*** |

**10:45 AM - 11:15 AM**

| | |
|---|---|
| ● PLENARY SESSION | Business Meeting/Awards |

**11:15 AM - 12:15 PM**

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|---|---|
| ● NETWORKING/MEALS | Lunch Break with Exhibitors |

**12:15 PM - 1:15 PM**

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|---|---|
| ● FELLOWS/RESIDENTS | Emerging Professional Lunch and Learn |
| ● RESEARCH | Scientific Poster Session 2 |

## SATURDAY, APRIL 10 (CONT'D)

**12:15 PM - 1:45 PM**

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|---|---|
| GENERAL SESSION | Round Table Discussions |
| GENERAL SESSION | Perioperative Anemia and Cardiac Surgery |
| GENERAL SESSION | What's New in Clinical Trial Design - Interpreting Pragmatic, EMR Embedded, Cluster-Randomized and More |

**12:15 PM - 2:15 PM**

| | |
|---|---|
| FELLOWS/RESIDENTS | Basic TEE Resident Workshop |

**12:30 PM - 2:30 PM**

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|---|---|
| RESEARCH | Super Echo |
| WORKSHOP/ SKILL SESSION | A&A Workshop |

**1:45 PM - 2:15 PM**

| | |
|---|---|
| RESEARCH | Late Breaking Research: The Hottest Papers in Anesthesiology–Hot off the Press or Still in Print |
| NETWORKING/MEALS | Coffee Break with Exhibitors |

**2:00 PM - 5:00 PM**

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|---|---|
| WORKSHOP/ SKILL SESSION | Structural Workshop |

**2:15 PM - 3:45 PM**

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|---|---|
| GENERAL SESSION | Getting Answers that Matter: Survey Design from QI to Health Care Policy Reform |
| GENERAL SESSION | Leaky, Squeaky Mitral Valves - Surgical Mitral Valve Interventions in 2027 |
| GENERAL SESSION | Management of Common and Uncommon Coagulation Conundrums |

**2:30 PM - 4:30 PM**

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|---|---|
| FELLOWS/RESIDENTS | Keys to Success: ACA Board Review |

**3:00 PM - 5:00 PM**

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|---|---|
| RESEARCH | Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 2 |

**3:55 PM - 4:55 PM**

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| GENERAL SESSION | Anatomy of a Scientific Guideline |
| GENERAL SESSION | Coming to a Bronch Suite Near You: Perioperative Planning for Novel Approaches to Airway Tumors |
| GENERAL SESSION | Prep the OR Now! Case Based Discussions of Managing Catastrophic Valvular Injuries |

**5:00 PM - 6:30 PM**

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|---|---|
| NETWORKING/MEALS | SCA Trivia Night |

## SUNDAY, APRIL 11

**6:00 AM - 12:30 PM** Registration Open

**6:30 AM - 7:45 AM**

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|---|---|
| PBLD | **PBLD 16:** Treated D-TGA, Challenges and Management During Non-Cardiac Surgery |
| PBLD | **PBLD 17:** Breathless - Gradual and Silent Pulmonary Vascular Blockade |
| PBLD | **PBLD 18:** Too Early, Too Late, or Just Right? Timing Mechanical Circulatory Support During Cardiac Surgery |
| PBLD | **PBLD 19:** A Sticky Situation: Targeted Management of Post-Cardiopulmonary Bypass Coagulopathy |

**7:00 AM - 8:00 AM**

| | |
|---|---|
| NETWORKING/MEALS | Breakfast |

## SUNDAY, APRIL 11 (CONT'D)

**7:45 AM - 9:00 AM**

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|---|---|
| ● GENERAL SESSION | ERACS and Multimodal Analgesia: From Innovation to Implementation |
| ● GENERAL SESSION | Sub Specialization in Cardiothoracic Anesthesiology: The Path to Excellence or Too Much of a Good Thing? (Debate Pro/Con) |
| ● GENERAL SESSION | The Growing Role of Registry Data in Perioperative Research: Opportunities for Cardiac Anesthesiologists Through the SCA |

**8:00 AM - 9:00 AM**

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|---|---|
| ● FELLOWS/RESIDENTS | Fellow and Resident Poster Session 3 |

**8:30 AM - 11:30 AM**

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|---|---|
| ● WORKSHOP/ SKILLS SESSION | 3D TEE Workshop |

**9:00 AM - 9:10 AM**

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|---|---|
| ● NETWORKING/MEALS | Coffee Break with Exhibitors |

**9:10 AM - 10:10 AM**

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|---|---|
| ● GENERAL SESSION | Electrophysiology Update: Rhythm Block and Electrophysiology |
| ● GENERAL SESSION | How to Get Started in Clinical Research - Bringing Out the Researcher in Everyone - Fireside Chat |
| ● GENERAL SESSION | Life Beyond the Cardiac OR: Pursuing a Fulfilling Career in Leadership, Hospital Management, Industry and Beyond |

**10:20 AM - 11:20 AM**

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|---|---|
| ● GENERAL SESSION | Anesthesia at the Cutting Edge of the EP Lab: New Technology, New Responsibilities |
| ● GENERAL SESSION | Not Kids, Not Typical Adults: Perioperative Care for the ACHD Patient Undergoing Non-Cardiac Surgery |
| ● GENERAL SESSION | TEAMing Up for CABG: Cardiac Anesthesiologists Driving Change |

**11:30 AM - 12:30 PM**

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|---|---|
| ● PLENARY SESSION | Emerging Frontiers and Persistent Dilemmas in MCS |

## PRE-RECORDED SESSIONS

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|---|---|
| ● PRE-RECORDED | AI in Cardiothoracic Clinical Operations (60 minutes) |
| ● PRE-RECORDED | Cardiomyopathies - Usual and Unusual! (60 minutes) |
| ● PRE-RECORDED | Donor Optimization - Advances and Innovations! (60 minutes) |
| ● PRE-RECORDED | Navigating New Approaches to the Thoracic Aorta (60 minutes) |
| ● PRE-RECORDED | Perfusion and Myocardial Protection Strategies for Minimally Invasive Cardiac Surgery (60 minutes) |
| ● PRE-RECORDED | Precision Pharmacology in Cardiothoracic Anesthesiology (60 minutes) |
| ● PRE-RECORDED | Putting Out the Fire: Immunomodulation and Inflammation Control after Cardiac Surgery (60 minutes) |
| ● PRE-RECORDED | Breathing Easy: Optimizing the Respiratory Care of Cardiac Surgery Patients (75 minutes) |
| ● PRE-RECORDED | Be Calm and Carry On: Cardiopulmonary Bypass Challenges (90 minutes) |
| ● PRE-RECORDED | Claiming the Space: Interventional Echo and the Future of Cardiac Anesthesia (90 minutes) |
| ● PRE-RECORDED | New Perspectives on Cardiovascular Pumps and Flow (90 minutes) |
| ● PRE-RECORDED | Quick and Practical 3D Echo Measurements in the Operating Room (60 minutes) |

**6:00 AM - 6:30 PM**
Registration Open

## PLENARY SESSION

**12:00 PM - 1:30 PM**

### Surgical Approaches to Aortic Valve Therapies in 2027 – From the Ross to the Ozaki Procedure

**Moderators:** Abimbola Faloye, MD, MBA and Jennifer Hargrave, DO

**12:00 PM - 12:05 PM**
**Introduction**

**12:05 PM - 12:25 PM**
**The Reemerging Use of Pulmonary Autografts to Address Aortic Valve Pathology**
Liliya Pospishil, MD

**12:25 PM - 12:45 PM**
**Aortic Valve Neocuspidization - The Ozaki Procedure**
Shyina Unai, MD

**12:45 PM - 1:05 PM**
**Decision Time: What, When or Neither?**
**Case-Based Discussion**
Marie-Eve Chamberland, MD, FRCPC

**1:05 PM – 1:25 PM**
**TBD**

**1:25 PM – 1:30 PM**
**Q&A**



## GENERAL SESSIONS

**1:40 PM - 2:40 PM**

MOCA

### Harassment, Incivility and Disrespect in the Cardiovascular OR and ICU

**Moderators:** Emily Methangkool, MD, MPH and Trevor Sutton, MD, MBA

**1:40 PM - 1:55 PM**
**Workplace HID in Anesthesiology - A Persistent Call to Action**
Michele Sumler, MD

**1:55 PM - 2:10 PM**
**Workplace HID in Cardiovascular Anesthesiology and Intensive Care - Insights from the SCA Workplace Incivility Survey**
Agnieszka Trzcinka, MD, FASE

**2:10 PM - 2:25 PM**
**Addressing HID in Perioperative Cardiovascular Medicine - Where Do We Go Next?**
Sasha Shillcutt, MD, MS, FASE

**2:25 PM – 2:40 PM**
**Q&A**

## GENERAL SESSIONS

**1:40 PM - 2:40 PM**

### Promise or Peril: AI in Cardiac Anesthesia

**Moderators:** Danny Muehlschlegel, MD, MMSc, MBA and Menachem Weiner, MD

**1:40 PM - 1:55 PM**
**Augmentation with AI: the Future of Cardiac Anesthesia and Echocardiography**
Michael Mathis, MD

**1:55 PM - 2:10 PM**
**Bias, Opacity, and Overreliance: The Case Against AI in Cardiac Anesthesia and Echocardiography**
Emily Mackay, DO, MS, FASE

**2:10 PM - 2:25 PM**
**The Future of AI in Cardiac Surgery - What's on the Horizon?**
Ravi Ghanta, MD, FACS

**2:25 PM – 2:40 PM**
**AI Response**
Danny Muehlschlegel, MD, MMSc, MBA

**2:50 PM - 4:05 PM**

### Thoracic Endovascular Procedures: To Drain or Not to Drain?

**Moderators:** Wanda Popescu, MD and Seema Deshpande, MBBS

**2:50 PM - 2:55 PM**
**Introduction**

**2:55 PM - 3:15 PM**
**Patients at Risk for Spinal Cord Ischemia after Thoracic Endovascular Aortic Repairs SHOULD Receive Prophylactic CSF Drainage**
Harendra Arora, MD, MBA, FASA

**3:15 PM - 3:35 PM**
**Patients at Risk for Spinal Cord ischemia After Thoracic Endovascular Aortic Repairs SHOULD NOT Receive Prophylactic CSF Drainage**
Wanda Popescu, MD

**3:35 PM - 3:55 PM**
**Pro/Con Case-based Discussion**

**3:55 PM - 4:05 PM**
**Q&A**

**2:50 PM - 4:05 PM**

### Why Most Quality Improvement Efforts Fail: Building a Sustainable Cardiac QI Program

**Moderators:** Samhati Mondal, MBBS, MD, MS, FASE and Amanda Rhee, MD, MS

**2:50 PM - 3:05 PM**
**Why Most Quality Improvement Efforts Fail**
Miklos Kertai, MD, MMHC, PhD

**3:05 PM - 3:20 PM**
**Building a Sustainable Cardiac Quality Improvement Program**
Lida Shaygan, DO

**3:20 PM - 3:35 PM**
**Building Infrastructure: Data, Dashboards, and Feedback Loops**
Amanda Rhee, MD, MS

**3:35 PM - 3:50 PM**
**Ambient Monitoring Technology in the Operating Room**
Ashley Peterson, MD

**3:50 PM – 4:05 PM**
**Q&A**

## GENERAL SESSIONS

**4:15 PM - 5:30 PM**

### Houston, We Have a Problem: Communication Challenges in High Acuity Care, Why They Arise and How We Can Manage Them

**Moderators:** Sarah Smith, MD, MS and James Abernathy, MD, MPH, FAHA, FASE

**4:15 PM - 4:35 PM**
**From Conflicting Positions to Shared Interests: Conflict and Communication in Cardiac Anesthesia**
Ashley Oliver, MD, MA

**4:35 PM - 4:55 PM**
**Is Postoperative Dialysis Risk an Opportunity for a Bigger Conversation and Should We Be Having It?**
Vikram Fielding-Singh, MD, JD

**4:55 PM - 5:15 PM**
**What to Do When You Wonder 'Should We Be Doing This'?**
Jason N. Batten, MD, MA

**5:15 PM – 5:30 PM**
**Q&A**

**4:15 PM - 5:30 PM**

### Securing the Future Workforce: Recruitment, Retention, and Professional Development in Cardiovascular Anesthesiology

**Moderators:** Matthew Vanneman, MD and Trevor Sutton, MD, MBA

**4:15 PM - 4:30 PM**
**The Current Compensation Landscape: Broad Trends and Specific Factors in Cardiac Anesthesiologist Compensation**
Nadim Choudhury, MD, MBA

**4:30 PM - 4:45 PM**
**Recruitment Strategies: Building an Inclusive and Sustainable Pipeline**
Tiffany Williams, MD, PhD

**4:45 PM - 5:00 PM**
**Beyond the Money: What's Actually Important for Cardiac Anesthesiologists at Work**
Amanda Rhee, MD, MS

**5:00 PM - 5:15 PM**
**Sustainable Staffing Models: Building Systems Supporting Growth, Fulfillment and Retention**
Matthew Vanneman, MD

**5:15 PM – 5:30 PM**
**Q&A**

## NETWORKING/MEALS

**3:00 PM – 5:00 PM**
**Welcome Refreshment**

**6:00 AM - 6:30 PM**
Registration Open

## NETWORKING/MEALS

**6:30 AM - 8:00 AM**
**Breakfast**

## PBLDS

**6:30 AM - 7:45 AM**
*Thoracic Anesthesia Symposium and Workshops PBLDs 1 - 7 will be held Thursday, April 8.*
**Problem-Based Learning Discussions with Breakfast**

**PBLD 8: Vasoplegia, Vasoactives, and Vitals: Managing Vasoplegia During Redo Cardiac Surgery**
Moderators: Jenny Kwak, MD and Luai Zakaria, MD

**PBLD 9: Taking the Mystery Out of the Mitral Valve**
Moderators: T. Robert Feng, MD, FASE and Nikolaos J. Skubas, MD, DSc, FACC, FASE

**PBLD 10: Severe Right Ventricular Dysfunction After Cardiac Surgery: Everyone's Nightmare**
Moderators: John Augoustides, MD, FASE, FAHA and Andrew Maslow, MD

**PBLD 11: Lung Transplant Management: Strategies, Tips and Tricks**
Moderators: Brett Wakefield, MD and Daryl Oakes, MD

## PLENARY SESSION

**7:00 AM - 9:15 AM**
**Live Case – Minimally Invasive Mitral and Tricuspid Repair**
**Moderators:** Kiran Belani, MD, FASE, FACC and Yong Peng, MD, PhD

**7:00 AM - 7:10 AM**
**Introduction**

**7:10 AM - 7:25 AM**
**Pre and Post Bypass TEE Examination with Focus on Mechanism and Insufficiency of the Mitral Valve (live demonstration)**
Hany Elgamal, MBBCh, MSc, MD, DESA.IC

**7:25 AM - 7:40 AM**
**Pre and Post Bypass TEE Examination with Focus on Mechanism and Insufficiency of the Tricuspid Valve (live demonstration)**
Anna Flo Forner, MD

**7:40 AM - 7:55 AM**
**Pre and Post Bypass Evaluation of RV Function with the Swan IQ (live demonstration)**
Angelika Goetz, MD

**7:55 AM - 8:10 AM**
**Bypass Intraoperative Surgical Valve Analysis of the Mitral and Tricuspid Valve (live demonstration)**
Michael Borger, MD, PhD

**8:10 AM - 9:15 AM**
**Live Case**
Panelists: Joerg Ender, MD, Alina Nicoara, MD, Burkhard Mackensen, MD, PhD, FASE, FSCAI, and MaryBeth Brady, MD, FASE

## PLENARY SESSION

**7:45 AM - 9:15 AM**

### Current Concepts in Coronary Revascularization with Heart Team Case Discussion

**Moderators:** Stephanie Ibekwe, MD, MBA, MPH, MS and Tara Brakke, MD, FASE

**7:45 AM - 8:05 AM**
**Not Your Grandfather's CABG - Trends, Challenges and Opportunities in Today's Coronary Surgery**
Jai Madhok, MD

**8:05 AM - 8:25 AM**
**CABG in the Era of PCI - When, Why, and How?**
Caryl Bailey, MD

**8:25 AM - 8:45 AM**
**Acute Coronary Syndromes - Management Tenets for the (Possible) PreOP CABG Patient**
Andrew Notarianni, MD, FASE, FASA

**8:45 AM - 9:05 AM**
**Bridge to... Bypass? MCS for Acute Coronary Syndromes with Cardiogenic Shock**
Ankur Srivastava, MD

**9:05 AM - 9:15 AM**
**Q&A**

## WORKSHOPS

**9:00 AM - 12:00 PM**

### ERAS Workshop

**Moderators:** Samhati Mondal, MBBS, MD, MS, FASE; Ashley Oliver, MD, MA; and Alexander Gregory, MD, FRCPC

**Description:** The Enhanced Recovery After Surgery (ERAS) Cardiac Workshop in 2027 will bring together pragmatic implementation of ERAS principles with innovation and best practices from some of the leaders in the domain. Participants will rotate through four interactive, case-based stations and explore the entire perioperative ERAS Cardiac journey—from preoperative optimization to the future of post-cardiac surgery critical care.

**Faculty:** Rakesh Arora, MD, PhD; Frederic T. Billings, IV, MD, MSc; Matthew Cameron, MDCM, MPH, FRCPC; Daniel Engelman, MD; Natalia Girardi, MD; Michael Grant, MD, MSE; Kevin Lobdell, MD; Basanta Mohapatra, MD; Sophia Poorsattar, MD; and Erica Wittwer, MD

**9:00 AM - 12:00 PM**

### Hemodynamics Workshop

**Moderators:** Marguerite Hoyler, MD and Choy Lewis, MD

**Description:** This new interactive workshop will provide cardiac anesthesiologists with practical strategies for advanced hemodynamic monitoring in complex cardiac surgical patients. Led by experts in the field, utilizing case-based discussions and hands-on learning, participants will explore the integration of current advanced monitoring technologies, interpretation of hemodynamic data, and application of physiologic principles to guide clinical decision-making. Practical applications of cutting-edge technologies, including the use of artificial intelligence and predictive analytics in hemodynamic monitoring and clinical management, will be emphasized.

**Faculty:** Michael Ault, MD; Amit Bardia, MD; Meghann Fitzgerald, MD; Paul Gallo, MD; Paul Heerdt, MD, PhD; Dinesh Kurian, MD, MBA; Elizabeth Magdycz, MD; Sagar Navare, MD; and Michael Scott, MBChB, MBA, FRCA FRCP, FFICM

## NETWORKING/MEALS



**9:15 AM - 9:30 AM**
**Coffee Break**

## PLENARY SESSION

**9:30 AM - 10:30 AM**
**Earl Wynands' Lecture**
**Moderators:** Stephanie Ibekwe, MD, MBA, MPH, MS and Tarit Saha, MBBS, FRCPC
Angela Jerath MD, MSc, FRCPC, FANZCA, BSc

## FELLOWS/RESIDENTS

**10:40 AM - 11:40 AM**
**Best in Show**
**Moderators:** Abimbola Faloye, MD, MBA and Jennifer Hargrave, DO

## GENERAL SESSIONS

**10:40 AM - 12:10 PM**
**Let's Talk About It: An Interactive, Multidisciplinary Discussion of Complex Valvular Pathology Scenarios**
**Moderators:** Kimberly Howard-Quijano, MD and Jennifer Hargrave, DO

**10:40 AM - 10:45 AM**
Introduction

**10:45 AM - 10:55 AM**
History Council Presentation

**10:55 AM - 11:20 AM**
Mitral Valve Regurgitation and Pulmonary Hypertension
Shyina Unai, MD

**11:20 AM - 11:40 AM**
Aortic Stenosis and Mitral Valve Chordal SAM
Andrej Alfirevic, MD

**11:40 AM - 12:00 PM**
SAVR after TAVR (PPM Considerations)
Kimberly Howard-Quijano, MD

**12:00 PM – 12:10 PM**
Q&A

**10:40 AM - 12:10 PM**
**The Right Ventricle: From Forgotten Chamber to Clinical Priority**
**Moderators:** Dalia Banks, MD and Andra Duncan, MD, MS, FASE

**10:40 AM - 11:00 AM**
The RV in Trouble: Why Cardiac Surgery Pushes It to the Edge
Swapnil Khoche, MD

**11:00 AM - 11:20 AM**
Intraoperative RV Assessment-What Matters on TEE and the PA Catheter
Nicholas Markin, MD, FASE

**11:20 AM - 11:40 AM**
Management of RV Failure in the Cardiac OR
Andra Duncan, MD, MS, FASE

**11:40 AM - 12:00 PM**
When the RV Doesn't Recover: Escalation to Mechanical Support
Jessica Spellman, MD, FASE

**12:00 PM – 12:10 PM**
Q&A

## GENERAL SESSIONS

**10:40 AM - 12:10 PM**
**EACTAIC-SCA Session**

**10:40 AM - 10:45 AM**
**Introduction & Framing**
Sarah Smith, MD, MS and Steffen Rex, MD, PhD, FESAIC
*Setting the Stage: Why Sustainability Matters in Cardiothoracic Anesthesia*

**10:45 AM - 11:05 AM**
**Volatile Anesthesia vs TIVA in Cardiac Surgery – Facts and Myths**
Steffen Rex, MD, PhD, FESAIC (EACTAIC)

**11:05 AM - 11:25 AM**
**Beyond the Anesthetic: The Carbon Footprint of Cardiac Surgery**
Chirojit Mukherjee, MD, PhD, MBA, FASE (EACTAIC)

**11:25 AM - 11:45 AM**
**Sustainable Perfusion and CPB Practice**
Joshua Hubert, DO, MS

**11:45 AM - 12:05 PM**
**Implementation Science: How to Change Practice?**
Jodi Sherman, MD

**12:05 PM – 2:10 PM**
**Panel Discussion & Audience Interaction**
Key Question: *What Can we Realistically Change Tomorrow?*

**11:00 AM - 1:00 PM**
**Innovation Session with Lunch**

## RESEARCH

**12:10 PM - 1:10 PM**
**Scientific Poster Session 1**

## NETWORKING/MEALS

**12:10 PM - 1:10 PM**
**Lunch Break with Exhibitors**

### Experiencing Some Casino Curiosity?

The destination is dotted with some of the most state-of-the-art casinos in the world, many filled with the latest gaming innovations — right next to the classic table games, of course. If you're new to a casino floor, many hotels offer free lessons for novices — Circus Circus and The Venetian Resort Las Vegas among them.

## FELLOWS/RESIDENTS

**12:10 PM - 2:10 PM**
**MCS Fellow Workshop**

## GENERAL SESSIONS

**1:10 PM - 2:10 PM**
**Hot Topics in Heart and Lung Transplantation**
**Moderators:** Kathirvel Subramaniam, MD, MPH, FASE and Jiapeng Huang, MD, PhD

**1:10 PM - 1:25 PM**
**Prehabilitation in Heart Transplant- What is New?**
Kunal Panda, MD

**1:25 PM - 1:40 PM**
**Optimizing Graft Function after Lung Transplantation, Protecting Proven Strategies and Yet to be Proven Practices!**
Christina Jelly, MD, MS

**1:40 PM - 1:55 PM**
**Optimizing Outcomes in Combined Organ Transplants**
Audrey Spelde, MD

**1:55 PM - 2:10 PM**
**Emerging Role of Artificial Intelligence in Transplantation Perioperative Science!**
Harikesh Subramanian, MD, MS, ABPM-CI



**1:10 PM - 2:10 PM**
**Perioperative Infections in Cardiac Surgery: Myth and Management for the Cardiac Anesthesiologist**
**Moderators:** Marguerite Hoyler, MD and Natalia Girardi, MD

**1:10 PM - 1:25 PM**
**Sepsis in the Cardiac ORs: The Cardiac Anesthesiologist as First-Line Intensivist**
Lauren Sutherland, MD

**1:25 PM - 1:40 PM**
**Prosthetic Valve Endocarditis (PVE) in the Era of Transcatheter Valve Intervention - What the Cardiac Anesthesiologist Needs to Know**
Sagar Navare, MD

**1:40 PM - 1:55 PM**
**ECMO for Septic Shock? Septic Shock on ECMO?**
Ankur Srivastava, MD

**1:55 PM - 2:10 PM**
**Q&A**

## GENERAL SESSIONS

**1:10 PM - 2:10 PM**

### Pulmonary Hypertension for the Cardiac Anesthesiologist: From OR Management to Advanced Support

**Moderators:** Jochen Steppan, MD, DESA, DABA, FAHA, FASA and Alina Nicoara, MD

**1:10 PM - 1:25 PM**
**Pulmonary Hypertension in Cardiac Surgery: Incidence, Risk, and Clinical Impact**
Samhati Mondal, MBBS, MD, MS, FASE

**1:25 PM - 1:40 PM**
**Perioperative Management of Pulmonary Hypertension: Expert Tips and Pitfalls**
Katja Turner, MD

**1:40 PM - 1:55 PM**
**Mechanical Support for the Failing Right Ventricle in Pulmonary Hypertension**
Alina Nicoara, MD

**1:55 PM - 2:10 PM**
**Q&A**

**1:10 PM - 3:10 PM**

### International Symposium

**Moderators:** Stanton Shernan, MD, FASE, FAHA; Choy Lewis, MD; and Sarah Smith, MD, MS

**1:10 PM - 1:15 PM**
**Introduction**

**1:15 PM - 1:40 PM**
**Management of Pulmonary Hypertension in Latin / Central America**
Ingrid Moreno-Duarte, MD, FASE

**1:40 PM - 2:05 PM**
**Cardiac Anesthesia Workforce Challenges in Korea**
Jae-Kwang Shim, MD, PhD

**2:05 PM - 2:30 PM**
**Establishing a High-Quality Clinical System for Cardio-Vascular Anesthesia - Integration of AI and Human Expertise**
Sheng Wang, PhD

**2:30 PM - 2:55 PM**
**Perioperative Management of Congenital Heart Disease in Africa**
Palesa Motshabi-Chakane, PhD

**2:55 PM - 3:10 PM**
**Q&A**

## WORKSHOP

**2:00 PM - 5:00 PM**

### 3D TEE Workshop

**Moderators:** Nirvik Pal, MD, MBBS, FASE and Trevor Sutton, MD, MBA

**Description:** Applications of 3D echocardiography have advanced greatly in the last few years. This technology offers unique and critical solutions to clinical problems. This workshop provides practical, problem-based, and easy-to-understand sessions to help physicians master necessary 3D skills for daily practice. 3D ventricular function quantification, detailed 3D valvular analysis, and 3D procedural guidance will be reviewed with renowned echocardiography experts in the field.

**Faculty:** Marie-Eve Chamberland, MD, FRCPC; Matthew Fischer, MD, MS; Marco Julien, MD FRCPC; Joseph Kamassai, MD; Swapnil Khoche, MD; Laeben Lester, MD; Nicholas Markin, MD, FASE; Sawyer Naze, MD; and Saira Nisar, MBBS, MS

## RESEARCH

**2:10 PM - 2:40 PM**
**Late Breaking Research: The Hottest Papers in Anesthesiology – Hot off the Press or Still in Print**
**Moderators:** Anne D. Cherry, MD, FASE and Jochen Steppan, MD, DESA, DABA, FAHA, FASA

## NETWORKING/MEALS

**2:10 PM - 2:40 PM**
**Coffee Break with Exhibitors**

## FELLOWS/RESIDENTS

**2:30 PM - 4:30 PM**
**Echo Essentials**

## GENERAL SESSION

**2:40 PM - 4:10 PM**
**Acute Kidney Injury after Cardiac Surgery: Prediction, Prevention, and the Long Road Ahead**
**Moderators:** Philip Kalarickal, MD, MPH and Jacob Raphael, MD, FAHA

**2:40 PM - 2:55 PM**
**Beating the Clock: The Power of Early Biomarker Detection in Cardiac Care**
Amanda Kleiman, MD

**2:55 PM - 3:10 PM**
**The Kidney's Crystal Ball: Can Machine Learning Predict Acute Kidney Injury?**
Michael Mathis, MD

**3:10 PM - 3:25 PM**
**Clinical Breakthroughs in Preventing Cardiac-Associated AKI**
Miklos Kertai, MD, MMHC, PhD

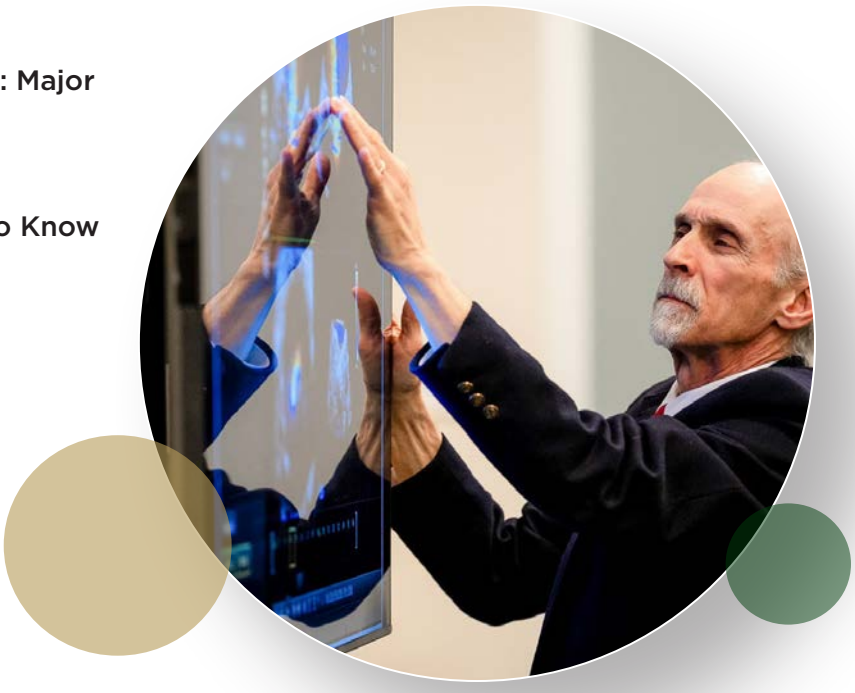
**3:25 PM - 3:40 PM**
**The Long-Term Implications of AKI: Major Adverse Kidney Events**
Sreekanth Cheruku, MD, MPH

**3:40 PM - 3:55 PM**
**What do Anesthesiologists Need to Know About CPB and AKI**
Yafen Liang, MD

**3:55 PM – 4:10 PM**
**Q&A**

### Welcome Sign Day

First up: People watching! With the cross-section of visitors and celebrities who come to Las Vegas, this is primetime entertainment. There are several terrific vantage points on the Strip, including Gilley's Saloon at Treasure Island - TI Hotel & Casino. Simply take a seat, order some refreshments and enjoy the view!



## GENERAL SESSIONS

**2:40 PM - 4:10 PM**

### From Bench to Bedside: The Roadmap for Clinical Practice of Advanced Echo Modalities

**Moderators:** Kimberly Howard-Quijano, MD and Peter Neuburger, MD, FASE

**2:40 PM - 3:00 PM**
**What Is New in 3D/4D Imaging? The Technology, Theory, and Bedside Tricks Behind 3D/4D Imaging**
Richard Sheu, MD

**3:00 PM - 3:20 PM**
**Clinical Applications of Left Ventricular Strain Echocardiography: Evidence-based Use Cases**
Kimberly Howard-Quijano, MD

**3:20 PM - 3:40 PM**
**RV Quantification in the Operating Room - How and Why?**
Jakob Labus, MD

**3:40 PM - 4:00 PM**
**Rise of the Machine: Artificial Intelligence Integrated into Echocardiography**
Jiapeng Huang, MD, PhD

**4:00 PM – 4:10 PM**
**Q&A**

**2:40 PM - 4:10 PM**

### SCA/TAS Joint Session: Under Pressure: Pulmonary Hypertension in Thoracic Anesthesia

**Moderators:** Seema Deshpande, MBBS and Emily Teeter, MD

**2:40 PM - 3:00 PM**
**What Pulmonary Hypertension Looks Like and Why it Matters**
Julian Fessler, MD

**3:00 PM - 3:20 PM**
**Do's and Don'ts: Ventilatory Strategy and Hemodynamics in Pulmonary Hypertension**
Priya Kumar, MD

**3:20 PM - 3:40 PM**
**Assessing Success: How to Monitor the Right Ventricle in Thoracic Surgery**
Andrea Miltiades, MD, MSc

**3:40 PM - 4:00 PM**
**ECLS: Identifying High Risk Patients: When to Escalate Care During Thoracic Surgery**
Bryan Chow, MD

**4:00 PM – 4:10 PM**
**Q&A**

## RESEARCH

**3:30 PM - 5:30 PM**

### Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 1

**Moderators:** Anne D. Cherry, MD, FASE; Tara Brakke, MD, FASE; and Louise Y. Sun, MD, SM, FRCPC, FAHA

## GENERAL SESSIONS

**4:20 PM - 5:20 PM**

### Getting to Three Stars: The Intersection between Cardiac Anesthesia and STS Quality

**Moderators:** Jessica Spellman, MD, FASE and Marguerite Hoyler, MD

**4:20 PM - 4:35 PM**
**Achieving 3 Stars: The Surgeon's Perspective**
Marc Pelletier, MSc, FRCSC

**4:35 PM - 4:50 PM**
**Achieving 3 Stars: The Cardiac Anesthesiologist Perspective**
Vikram Fielding-Singh, MD, JD

**4:50 PM - 5:05 PM**
**Not My Stars: Why Surgical Metrics Do Not Capture Anesthesia Excellence**
Jessica Spellman, MD, FASE

**5:05 PM – 5:20 PM**
**Q&A**

**4:20 PM - 5:20 PM**

### PE, CTEPD, CTEPH - Another Dimension of Heart Failure

**Moderators:** Kathirvel Subramaniam, MD, MPH, FASE and Choy Lewis, MD

**4:20 PM - 4:35 PM**
**Pulmonary Embolism in the Perioperative Surgical Patient - Clinical Evaluation, Diagnosis and Risk Prediction Algorithms**
Virendra Arya, MD, FRCPC

**4:35 PM - 4:50 PM**
**Diagnostic Imaging for Pulmonary Embolism - Echocardiography and Beyond**
Swapnil Khoche, MD

**4:50 PM - 5:05 PM**
**Pulmonary Embolism in the Interventional Suite - Treatment Options**
Elizabeth Andraska, MD, MSc

**5:05 PM – 5:20 PM**
**PE in the Interventional Suite - Mechanical Support and Anesthesia Challenges**
Daniel Cormican, MD, FCCP

**4:20 PM - 5:20 PM**

### Temporary MCS Issues in Thoracic Transplantation

**Moderators:** Christina Jelly, MD, MS and Brett Wakefield, MD

**4:20 PM - 4:35 PM**
**Bridging to Heart Transplant with IABP, Impella or VA ECMO: Do We Know What is Best?**
Duc Pham, MD

**4:35 PM - 4:50 PM**
**Bridging Lung Transplantation with Mechanical Support-Indications and Outcomes?**
Brett Wakefield, MD

**4:50 PM - 5:05 PM**
**Is Use of Intraoperative VA ECMO the Gold Standard for Lung Transplantation?**
Ankit Bharat, MD, FACS

**5:05 PM – 5:20 PM**
**When to Break out the Big Gun: ECMO for PGD After Heart and Lung Transplantation**
Sreekanth Cheruku, MD, MPH

## FELLOWS/RESIDENTS

**4:20 PM - 5:20 PM**
**Fellows and Residents Poster Session 1**

# Don't Miss This Event!

**5:30 PM - 7:00 PM**
**WELCOME RECEPTION AND NETWORKING EVENT**









**6:00 AM - 6:30 PM**
Registration Open

## PBLDS

**6:30 AM - 7:45 AM**
### Problem-Based Learning Discussions with Breakfast

**PBLD 12: Robotic Minimally Invasive Cardiac Surgery: Challenges and Benefits**
Moderators: Kathirvel Subramaniam, MD, MPH, FASE and Reed Harvey, MD

**PBLD 13: The Breathless Parturient: Delivery Planning for Severe Symptomatic Mitral Stenosis**
Moderators: Meghan Horn, MD and Ioannis Angelidis, MD, MSPH

**PBLD 14: Catastrophic Complications During a Transcatheter Aortic Valve Explant**
Moderators: MaryBeth Brady, MD, FASE and Theresa Gelzinis, MD

**PBLD 15: The Hits Keep on Coming: Reoperative Aortic Valve Replacement in a Patient with Heparin-Induced Thrombocytopenia**
Moderators: Joseph AbuRahma, MD and Barbara Wilkey, MD

## NETWORKING/MEALS

**7:00 AM - 8:00 AM**
Breakfast

## PLENARY SESSION

**7:30 AM - 9:00 AM**
### Expert Roundtable on Bleeding Management in Cardiac Surgery (Case-based)
**Moderators:** Kenichi Tanaka, MD, MSc and Michael Boisen, MD, FASE

**7:30 AM - 9:00 AM**
**Clinical Application of Viscoelastic Testing in Complex-DOAC Reversal-Use of Pccs Vs Plasma-FC vs. Cryo-Cold Stored Platelets-Whole Blood for Massive Hemorrhage**
Panelists: Kamrouz Ghadimi, MD, MHSc; Jenny Kwak, MD; Nadia Hensley, MD; Kenichi Tanaka, MD, MSc; and Jacob Raphael, MD, FAHA

## FELLOWS/RESIDENTS

**8:15 AM - 9:15 AM**
**Fellows and Residents: Poster Session 2**

## NETWORKING/MEALS

**9:00 AM - 9:15 AM**
**Coffee Break with Exhibitors**

### Have a Little Fun While Exploring

Start the party at Rockhouse at The Venetian Resort Las Vegas, where DJs and daiquiris meet billiards and beers. Looking for something more wild? Let out a few screams riding the roller coaster at New York-New York! Continue on and enjoy scenic views of the American West during FlyOver Las Vegas' immersive flight ride experience, or hop on the High Roller Observation Wheel at The LINQ Promenade.

## WORKSHOPS

**9:00 AM - 12:00 PM**

### Advanced TEE Workshop

**Moderators:** Abimbola Faloye, MD, MBA and Kathirvel Subramaniam, MD, MPH, FASE

**Description:** Learn advanced quantification with the echo experts at this case-based TEE workshop that will discuss advanced methods of quantitative cardiac assessment. Participants will learn to recognize the role of quantitative echocardiography in clinical decision-making and discuss real-world applications of quantitative analysis.

**Faculty:** Andrej Alfirevic, MD; Kiran Belani, MD, FASE, FACC; Alina Nicoara, MD; Andrew Notarianni, MD, FASE, FASA; Charles Nyman, MBBCh; Richard Sheu, MD; Lisa Rong, MD, MSCE; Stanton Shernan, MD, FASE, FAHA; Shiva Sale, MD; and Aidan Sharkey, MD

**9:00 AM - 12:00 PM**

### ECMO Workshop

**Moderators:** Sreekanth Cheruku, MD, MPH and Christina Jelly, MD, MS

**Description:** The ECMO Workshop will focus on the use of extracorporeal membrane oxygenation (ECMO) to support patients in shock in both cardiac and non-cardiac surgical patients. You'll learn a practical approach to ECMO pumps, circuits, and oxygenators. Hands-on manipulation of these circuits will be utilized. Experts will discuss the logistics of starting and maintaining an ECMO program, mobile ECMO transports, and how to troubleshoot common VV and VA ECMO problems. Complex cases will be discussed in an interactive format. Learn the expert tips, tricks, and troubleshooting techniques for cardiac and non-cardiac use of ECMO.

**Faculty:** Yohannes Constable, MD; Jerome Crowley, MD, MPH; Catalin-Iulian Efrimescu, MD, FCAI; Hesham Ezz, MD; Jai Madhok, MD; Bhoumesh Patel, MD, MHS; Anna Reichardt, MD; Audrey Spelde, MD; and Brett Wakefield, MD

## PLENARY SESSION

**9:15 AM - 10:15 AM**

### Keynote: Scaling Exceptionalism via Leadership, Metrics and Work-Life Integration

**Moderator:** Amanda A. Fox, MD, MPH
Robert Cerfolio, MD, MBA

**10:15 AM - 10:45 AM**

### ASA Update

**Moderator:** Amanda A. Fox, MD, MPH
Jeffrey Mueller, MD, FASA, ASA President

**10:45 AM - 11:15 AM**

### Business Meeting/Awards



## NETWORKING/MEALS

**11:15 AM - 12:15 PM**

### Lunch Break with Exhibitors

## RESEARCH

**12:15 PM - 1:15 PM**

### Scientific Poster Session 2

## FELLOWS/RESIDENTS

**12:15 PM - 1:15 PM**
**Emerging Professional Lunch and Learn**

## GENERAL SESSIONS

**12:15 PM - 1:45 PM**
**Round Table Discussions**
**Moderators:** Christina Jelly, MD, MS and Kenichi Tanaka, MD, MSc

**12:15 PM - 12:30 PM**
**Dealing with the Other Extreme; Hypercoagulability - What to do Perioperatively?**
John Bryant, MD

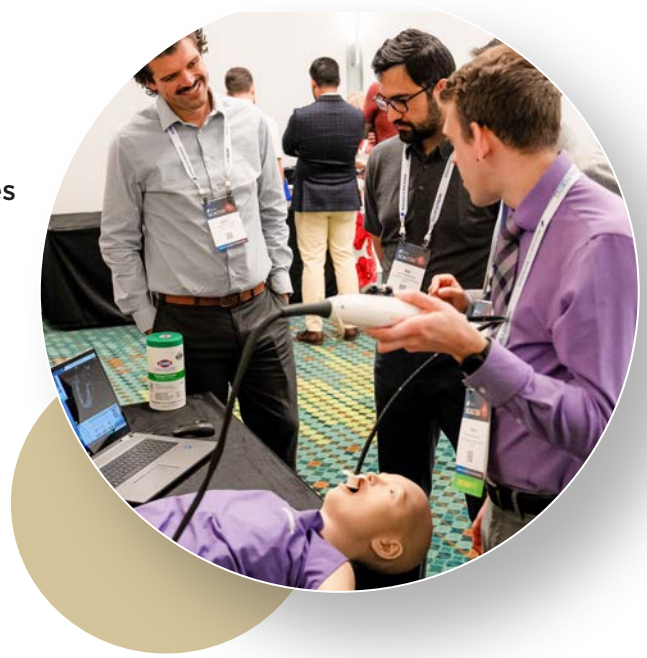
**12:30 PM - 12:45 PM**
**ECMO Without Anticoagulation: Which Patients, Which Circuits, and at What Risk**
Lakshmi Nemani, MD, MPH

**12:45 PM - 1:00 PM**
**Controversies in Administering Factor Concentrates**
Yohannes Constable, MD

**1:00 PM - 1:15 PM**
**When Jehovah Witness Patients Need Thoracic Organ Transplantation and LVADs!**
Nadia Hensley, MD

**1:15 PM - 1:30 PM**
**When HIT Strikes Thoracic Organ Transplant Recipients and LVADs!**
Natalia Girardi, MD

**1:30 PM - 1:45 PM**
**Q&A**



**12:15 PM - 1:45 PM**
**Perioperative Anemia and Cardiac Surgery**
**Moderators:** Michael Boisen, MD, FASE and Linda Shore-Lesserson, MD, FAHA, FASE, FASA

**12:15 PM - 12:30 PM**
**Is Anemia a Driver for Postoperative Complications and Higher Resource Utilization?**
Miklos Kertai, MD, MMHC, PhD

**12:30 PM - 12:45 PM**
**How Low is too Low? Lessons on RBC Transfusion from Recent Clinical Trials**
David Mazer, MD

**12:45 PM - 1:00 PM**
**There is not Enough Time to Treat Anemia Before Cardiac Surgery**
Linda Shore-Lesserson, MD, FAHA, FASE, FASA

**1:00 PM - 1:15 PM**
**Optimization of Anemia Before Surgery: Is the Return Worth the Investment?**
Jacob Raphael, MD, FAHA

**1:15 PM - 1:35 PM**
**Postoperative Anemia - A New Opportunity for Intervention?**
Justyna Bartoszko, MD, MSc, FRCPC

**1:35 PM – 1:45 PM**
**Q&A**

## GENERAL SESSION

**12:15 PM - 1:45 PM**

**What's New in Clinical Trial Design - Interpreting Pragmatic, EMR Embedded, Cluster-Randomized and More**

**Moderators:** Nirvik Pal, MD, MBBS, FASE and Jochen Steppan, MD, DESA, DABA, FAHA, FASA

**12:15 PM - 12:18 PM**
Introduction

**12:18 PM - 12:44 PM**
Pragmatic and EMR-Embedded Trials: Integrating Research into Routine Clinical Care
Allison M. Janda, MD

**12:44 PM - 1:10 PM**
Beyond Conventional Individual Randomization: Adaptive and Cluster-Randomized Designs
Jessica Spence, MD, PhD, FRCPC

**1:10 PM - 1:35 PM**
Waiver and Alteration of Consent in Contemporary Clinical Trials: Criteria and Implementation
Frederic Billings, MD, MSc

**1:35 PM – 1:45 PM**
Q&A

## FELLOWS/RESIDENTS

**12:15 PM - 2:15 PM**

**Basic TEE Resident Workshop**

## RESEARCH

**12:30 PM - 2:30 PM**

**SUPER ECHO**

**Moderators:** Abimbola Faloye, MD, MBA, FASE, FASA and Nicholas W. Markin, MD, FASE

**Panelists:** Himani Bhatt, DO, MPA, FASE and Ravi Joshi, MD, FASE

### Cruising the Strip

There's so much to experience, from the Bellagio Conservatory & Botanical Gardens to the Flamingo Wildlife Habitat at Flamingo Las Vegas. Don't forget to check out the fabulous and eclectic art collection at Resorts World Las Vegas, as well as the enchanting visual spectacle at the Lake of Dreams at Wynn Las Vegas. And a selfie with the Welcome to Fabulous Las Vegas sign is both essential and absolutely Instagram-worthy — put that on the list, too!

## WORKSHOP

**12:30 PM - 2:30 PM**

**A&A**

**Moderators:** Lisa Rong, MD, MSCE and Kimberly Howard-Quijano, MD



**Description:** This workshop will focus on the skills needed to write clear, compelling manuscripts for publication in Anesthesia & Analgesia. You'll learn about the manuscript submission types, a step-by-step approach to structuring your manuscript, presenting data effectively, and crafting a persuasive narrative from the journal's own editors. Real manuscripts will be discussed in small-group, hands-on, interactive formats. Editors will discuss the logistics of the submission and review process, how to respond to reviewer critiques, and how to avoid common pitfalls that lead to rejection. Open to trainees, fellows, and SCA members at all levels of experience. Learn the expert tips, tricks, and troubleshooting techniques for writing stronger papers and jumpstart your academic career in the process.

**Faculty:** Karsten Bartels, MD, PhD, MBA; Anne Cherry, MD, FASE; Amanda Kleiman, MD; and Adam Milam, MD, PhD, FASE

## RESEARCH

**1:45 PM -2:15 PM**

**Late Breaking Research: The Hottest Papers in Anesthesiology – Hot Off the Press or Still in Print**

**Moderators:** Jochen Steppan, MD, DESA, DABA, FAHA, FASA and Hilary P. Grocott, MD, FRCPC

## NETWORKING/MEALS



**1:45 PM - 2:15 PM**

**Coffee Break with Exhibitors**

## WORKSHOP

**2:00 PM - 5:00 PM**

**Structural Workshop**

**Moderators:** Ethan Brovman, MD, FASE and Michael Boisen, MD, FASE

**Description:** New this year, the dedicated Structural Heart Workshop will bring the rapidly evolving world of structural heart interventions to life through an immersive, hands-on experience. Rotate through interactive stations covering the latest in mitral and tricuspid therapies, transcatheter electrosurgery, transseptal puncture and left atrial appendage occlusion, ASD/PFO and paravalvular leak closure, and TAVI. Work alongside structural heart experts as you explore procedural anatomy, imaging guidance, device deployment, and strategies for anticipating and managing complications. Hands-on simulation and challenging cases will highlight the critical role of the cardiac anesthesiologist at every stage of these complex procedures. Whether you are building your structural heart practice or refining advanced skills, you'll leave with practical techniques, expert tips and tricks, and troubleshooting strategies you can take directly back to the cath lab.

**Faculty:** Kiran Belani, MD, FASE, FACC; John Bryant, MD; Sheela Pai Cole, MD, FASE, FASA; Andrew Disque, MD; John Fox, MD; Reed Harvey, MD; Andrew Maslow, MD Maria Hernandez-Morgan, MD; Charles Nyman, MBBCh; Liliya Pospishil, MD, FASE; Ellen Richter, MD, FASE; and Aidan Sharkey, MD

## GENERAL SESSIONS

**2:15 PM - 3:45 PM**

### Getting Answers that Matter: Survey Design from QI to Health Care Policy Reform

**Moderators:** Anne Cherry, MD, FASE and Louise Sun, MD, SM, FRCPC, FAHA

**2:15 PM - 2:30 PM**
**Asking Questions for Actionable Answers: Survey Methodology/Science**
Shahla Siddiqui, MD, MSc, FCCM

**2:30 PM - 2:45 PM**
**Delphi Methodology and Use Cases**
Louise Sun, MD, SM, FRCPC, FAHA

**2:45 PM - 3:00 PM**
**Publishing Survey Results**
John Augoustides, MD, FASE, FAHA

**3:00 PM - 3:15 PM**
**The SCA Survey Mechanism**
Anne Cherry, MD, FASE

**3:15 PM - 3:30 PM**
**SCA Surveys Past: Lessons learned and Results**
Michael H. Li, MBBS, MPHTM, GCCT, FANZCAE

**3:30 PM – 3:45 PM**
**Q&A**



**2:15 PM - 3:45 PM**

### Leaky, Squeaky Mitral Valves - Surgical Mitral Valve Interventions in 2027

**Moderators:** Brandi Bottiger, MD and Ashley Budd, MD

**2:15 PM - 2:20 PM**
**Introduction**

**2:20 PM - 2:45 PM**
**Decision Making Heart Team Approach to Recommendations for Surgical Interventions**
T. Robert Feng, MD, FASE

**2:45 PM - 3:10 PM**
**Functional MR - Atrial vs Ventricular: Which Should We Repair, Which Should We Replace?**
Abimbola Faloye, MD, MBA

**3:10 PM - 3:35 PM**
**Perioperative Management in Robotic Mitral Valve Repair - CPB, Endo Balloon, One Lung Ventilation, Recovery and Optimization**
Ashley Budd, MD

**3:35 PM – 3:45 PM**
**Q&A**



## GENERAL SESSION

**2:15 PM - 3:45 PM**

**Management of Common and Uncommon Coagulation Conundrums**

**Moderators:** Kenichi Tanaka, MD, MSc and Jacob Raphael, MD, FAHA

**2:15 PM - 2:35 PM**
**Hard to Handle: Anticoagulation for CPB in Acute and Subacute HIT**
Michael Eaton, MD

**2:35 PM - 2:55 PM**
**Doing Away with DOAC Effect**
Jenny Kwak, MD

**2:55 PM - 3:15 PM**
**Too Much Bleeding After Ticagrelor**
David Mazer, MD

**3:15 PM - 3:35 PM**
**Extremely Resistant: What to do When the ACT Just will not Climb**
Kenichi Tanaka, MD, MSc

**3:35 PM – 3:45 PM**
**Q&A**

## FELLOWS/RESIDENTS

**2:30 PM - 4:30 PM**

**Keys to Success: ACA Board Review**

## RESEARCH

**3:00 PM - 5:00 PM**

**Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 2**

Moderators: Anne D. Cherry, MD, FASE; Tara Brakke, MD, FASE; and Andra E. Duncan, MD, MS, FASE

## GENERAL SESSION

**3:55 PM - 4:55 PM**

**Anatomy of a Scientific Guideline**

**Moderators:** Jochen Steppan, MD, DESA, DABA, FAHA, FASA and Peter Neuburger, MD, FASE

**3:55 PM - 4:10 PM**
**Beneath the Recommendation: How Strong Guidelines Are Synthesized**
Annemarie Thompson, MD, MBA

**4:10 PM - 4:25 PM**
**The Artificial Intelligence Guard Rails**
Kirsten Steffner, MD

**4:25 PM - 4:40 PM**
**The Off-beat Approach: "Open" Science**
Nirvik Pal, MD, MBBS, FASE

**4:40 PM – 4:55 PM**
**Q&A**

## GENERAL SESSIONS

**3:55 PM - 4:55 PM**

### Coming to a Bronch Suite Near You: Perioperative Planning for Novel Approaches to Airway Tumors

**Moderators:** Emily Teeter, MD, FASE and Seema Deshpande, MBBS

**3:55 PM - 4:10 PM**
**Central Airway Obstruction: Physiology**
Caryl Bailey, MD

**4:10 PM - 4:25 PM**
**Central Airway Obstruction: System Readiness**
Sergey Karamnov, MD

**4:25 PM - 4:40 PM**
**Central Airway Obstruction: Identifying Risk and Building a Rescue Strategy**
Julian Fessler, MD

**4:40 PM – 4:55 PM**
**Q&A**



**3:55 PM - 4:55 PM**

### Prep the OR Now! Case Based Discussions of Managing Catastrophic Valvular Injuries

**Moderators:** Jennifer Hargrave, DO and Richard Sheu, MD

**3:55 PM - 4:07 PM**
**Catch a TAVI In Your Toe: Transcatheter Valve Embolization**
Amy Yan, MD

**4:07 PM - 4:19 PM**
**TEER Induced Tear - Mitral Valve Leaflet Injury during Edge-to-Edge Repair**
Richard Sheu, MD

**4:19 PM - 4:31 PM**
**Pop Goes the Weasel: Aortic Annular Rupture During TAVI**
Perin Kothari, DO

**4:31 PM - 4:43 PM**
**Poke, Poke, Poof - There Is a Hole in the Ventricle!**
MaryBeth Brady, MD, FASE

**4:43 PM - 4:55 PM**
**TBD**

**5:00 PM - 6:30 PM**
**SCA Trivia Night**

**Moderators:**
John Bryant, MD; Christina Jelly, MD, MS; and McKenzie Hollon, MD, FASE




JOIN THE FUN!

**6:00 AM - 12:30 PM**
Registration Open

## PBLDS

**6:30 AM - 7:45 AM**
**Problem-Based Learning Discussions with Breakfast**

**PBLD 16: Treated D-TGA, Challenges and Management During Non-Cardiac Surgery**
Moderators: Asha Singh, MD and Virendra Arya, MD, FRCPC

**PBLD 17: Breathless - Gradual and Silent Pulmonary Vascular Blockade**
Moderators: James Anton, MD and Draginja Cvetkovic, MD

**PBLD 18: Too Early, Too Late, or Just Right? Timing Mechanical Circulatory Support During Cardiac Surgery**
Moderators: Emuejevoke Chuba, MD, MSCR and Mark Chaney, MD

**PBLD 19: A Sticky Situation: Targeted Management of Post-Cardiopulmonary Bypass Coagulopathy**
Moderators: Linda Shore-Lesserson, MD, FAHA, FASE, FASA and Richard Thalappillil, MD

## NETWORKING/MEALS

**7:00 AM - 8:00 AM**
**Breakfast**

## GENERAL SESSION

**7:45 AM - 9:00 AM**

MOCA

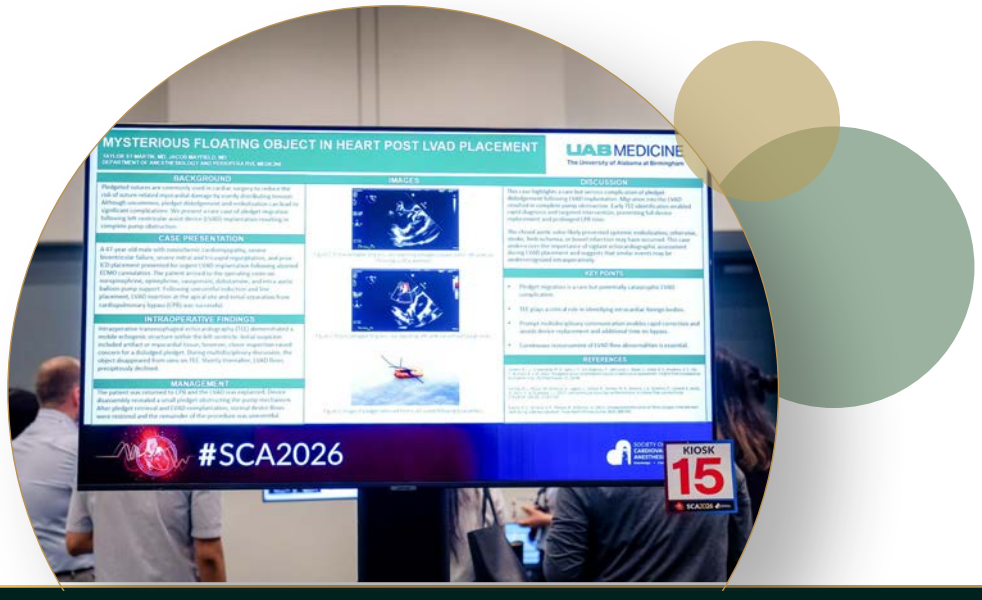
**ERACS and Multimodal Analgesia: From Innovation to Implementation**
**Moderators:** Samhati Mondal, MBBS, MD, MS, FASE and Alexander Gregory, MD, FRCPC

**7:45 AM - 8:05 AM**
**Overview of ERACS: From Multimodal to Goal-directed Therapy**
Himani Bhatt, DO, MPA, FASE

**8:05 AM - 8:25 AM**
**Preoperative Optimization and Prehabilitation: What's Possible?**
Daniel Engelman, MD

**8:25 AM - 8:45 AM**
**Adapting ERAS protocols - From Policy to Profitability**
Alexander Gregory, MD, FRCPC

**8:45 AM – 9:00 AM**
**Q&A**



## GENERAL SESSIONS

**7:45 AM - 9:00 AM**

### Sub Specialization in Cardiothoracic Anesthesiologist: The Path to Excellence or Too Much of a Good Thing? (Debate Pro/Con)

**Moderators:** Peter Neuburger, MD, FASE and Ethan Brovman, MD, FASE

**7:45 AM - 7:50 AM**
**Introduction**

**7:50 AM - 8:15 AM**
**Increased Sub-Specialization Within Cardiovascular Anesthesiology Improves Patient Care for Complex Patients Undergoing Advanced Procedures**
Burkhard Mackensen, MD, PhD, FASE, FSCAI

**8:15 AM - 8:40 AM**
**Increasing Sub-Specialty Training and Certification Demands Unjustifiably Hinder Recruitment and Retention Within Cardiac Anesthesia**
Steven Miller, MD

**8:40 - 8:50 AM**
**Panel Discussion**

**8:50 - 9:00 AM**
**Q&A**

**7:45 AM - 9:00 AM**

### The Growing Role of Registry Data in Perioperative Research: Opportunities for Cardiac Anesthesiologists Through the SCA

**Moderators:** Andra Duncan, MD, MS, FASE and Harikesh Subramanian, MD, MS, ABPM-CI

**7:45 AM - 8:00 AM**
**Understanding Use of Registries for Research and Quality Improvement - What Are My Options and How Do They Work?**
Miklos Kertai, MD, MMHC, PhD

**8:00 AM - 8:15 AM**
**Anesthesiology Staffing Models - Does Familiarity Between Surgeons and Anesthesiologists Matter?**
Meghann Fitzgerald, MD

**8:15 AM - 8:30 AM**
**A Precision Approach to Perioperative Hyperglycemia**
Andra Duncan, MD, MS, FASE

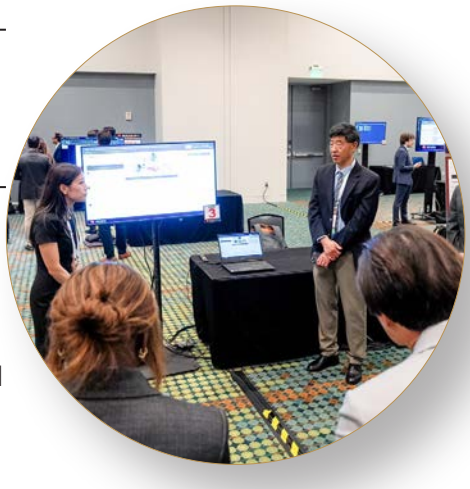
**8:30 AM - 8:45 AM**
**Prothrombin Complex Concentrates - How Are We Using Them and How Should We Use Them?**
Tiffany Williams, MD, PhD

**8:45 AM – 9:00 AM**
**Q&A**

### A Buffet is in Order

Celebrated for its expansive selection of gourmet offerings, the Bacchanal Buffet at Caesars Palace will leave everyone at the table wanting more. Diners can also experience playful twists on classic buffet items at Wicked Spoon at The Cosmopolitan of Las Vegas, or indulge in some classic favorites at Garden Court Buffet at Main Street Station Casino Brewery & Hotel.

## FELLOWS/RESIDENTS



**8:00 AM - 9:00 AM**
**Fellow and Resident: Poster Session 3**

## WORKSHOPS

**8:30 AM - 11:30 AM**
**3D TEE Workshop**
**Moderators:** Nirvik Pal, MD, MBBS, FASE and Trevor Sutton, MD, MBA

**Description:** Applications of 3D echocardiography have advanced greatly in the last few years. This technology offers unique and critical solutions to clinical problems. This workshop provides practical, problem-based, and easy-to-understand sessions to help physicians master necessary 3D skills for daily practice. 3D ventricular function quantification, detailed 3D valvular analysis, and 3D procedural guidance will be reviewed with renowned echocardiography experts in the field.

**Faculty:** Sheela Pai Cole, MD, FASE, FASA; Matthew Fischer, MD, MS; Marco Julien, MD, FRCPC; Joseph Kamassai, MD; Swapnil Khoche, MD; Laeben Lester, MD; Nicholas Markin, MD, FASE; Sawyer Naze, MD; and Saira Nisar, MBBS, MS

## NETWORKING/MEALS

**9:00 AM - 9:10 AM**
**Coffee Break with Exhibitors**

## GENERAL SESSION

**9:10 AM - 10:10 AM**
**Electrophysiology Update: Rhythm Block and Electrophysiology**
**Moderators:** Jonathan Ho, MD, FASE and Dalia Banks, MD

**9:10 AM - 9:25 AM**
**Pulse Field Ablation: What You Need to Know**
Jacques Neelankavil, MD

**9:25 AM - 9:40 AM**
**VT Ablation and MCS**
Jonathan Ho, MD, FASE

**9:40 AM - 9:55 AM**
**Lead Extraction and Rescue Anesthesia in the EP Lab**
Agnieszka Trzcinka, MD, FASE

**9:55 AM – 10:10 AM**
**Q&A**



## GENERAL SESSIONS

**9:10 AM - 10:10 AM**

### How to Get Started in Clinical Research - Bringing Out the Researcher in Everyone - Fireside Chat

**Moderators:** Alina Nicoara, MD and Anne Cherry, MD, FASE

**Panelists:** Jochen Steppan, MD, DESA, DABA, FAHA, FASA; Karsten Bartels, MD, PhD, MBA; Alina Nicoara, MD; and Louise Sun, MD, SM, FRCPC, FAHA

**9:10 AM - 10:10 AM**

### Life Beyond the Cardiac OR: Pursuing a Fulfilling Career in Leadership, Hospital Management, Industry and Beyond

**Moderators:** Stanton Shernan, MD, FASE, FAHA and Ashley Oliver, MD, MA

**Panelists:** David Reich, MD; Andrew Shaw, MD; Susan Eagle, MD; Kathryn Glas, MD, MBA; Christopher Troianos, MD, FASE, FASA; and Stanton Shernan, MD, FASE, FAHA

**10:20 AM - 11:20 AM**

### Anesthesia at the Cutting Edge of the EP Lab: New Technology, New Responsibilities

**Moderators:** Yong Peng, MD, PhD and Agnieszka Trzcinka, MD, FASE

**10:20 AM - 10:35 AM**
**The Evolving EP Lab: What Every Cardiac Anesthesiologist Must Know**
Agnieszka Trzcinka, MD, FASE

**10:35 AM - 10:50 AM**
**Ablation Energy Is Changing - Your Anesthetic Plan Must Too**
Menachem Weiner, MD

**10:50 AM - 11:05 AM**
**When Things Go Wrong: Crisis Management in High-Tech EP Procedures**
James Anton, MD

**11:05 AM – 11:20 AM**
**Q&A**

**10:20 AM - 11:20 AM**

### Not Kids, Not Typical Adults: Perioperative Care for the ACHD Patient Undergoing Non-Cardiac Surgery

**Moderators:** Ingrid Moreno-Duarte, MD, FASE and Jiapeng Huang, MD, PhD

**10:20 AM - 10:35 AM**
**What's New in the 2025 ACHD Guidelines for Non-Cardiac Surgery? Risk Stratification and Perioperative Planning**
Ingrid Moreno-Duarte, MD, FASE

**10:35 AM - 10:50 AM**
**What Goes Where? - Review of Common ACHD Lesions and Surgical Interventions**
Emma Li, MD, FASE

**10:50 AM - 11:05 AM**
**What Should Be My Concerns? - Key Management Strategies in ACHD Patients for Non-Cardiac Surgery**
Nazish Hashmi, MBBS

**11:05 AM - 11:20 AM**
**Building a Safer System for ACHD Patients: Passports, Priority Care Plans, and Emergency Decision Pathways**
Denise Joffe, MD

## GENERAL SESSION

**10:20 AM - 11:20 AM**

### TEAMing Up for CABG: Cardiac Anesthesiologists Driving Change

**Moderators:** Michael Boisen, MD, FASE and Lida Shaygan, DO

**10:20 AM - 10:25 AM**
**Introduction**

**10:25 AM - 10:40 AM**
**CMS TEAM Program Fundamentals**
Lida Shaygan, DO

**10:40 AM - 10:55 AM**
**How Cardiac Anesthesiologists Can Lead CABG Success in CMS TEAM**
Donna Kucharski, MD, MBA

**10:55 AM - 11:10 AM**
**CMS TEAM Challenges**
Ashley Budd, MD

**11:10 AM – 11:20 AM**
**Q&A**

## PLENARY SESSION

**11:30 AM - 12:30 PM**

### Emerging Frontiers and Persistent Dilemmas in MCS

**Moderators:** Dalia Banks, MD and Choy Lewis, MD

**11:30 AM - 11:45 AM**
**Right Ventricular Failure Revisited: Choosing Between Temporary RVAD, ECMO and Medical Optimization**
Jai Madhok, MD

**11:45 AM - 12:00 PM**
**Optimizing BiVAD Flows: Preventing Pulmonary, Neurological and Hemodynamic Complications**
Ron Leong, MD

**12:00 PM - 12:15 PM**
**Extracorporeal Cardiopulmonary Resuscitation**
Yang Gu, MD

**12:15 PM - 12:30 PM**
**Post ECMO and Pretransplant - Managing Complex Issues, Failure to Rescue and End of Life Decisions**
Annemarie Thompson, MD, MBA


### Catch a Fabulous Star-Studded Show

From today's superstar recording artists to Las Vegas' lineup of residencies, top touring acts regularly play the destination at venues like The Theater at Virgin Hotels Las Vegas, The Chelsea at The Cosmopolitan of Las Vegas and Allegiant Stadium. And don't forget about the chart-topping DJs playing Las Vegas' many world-class nightclubs! Catch a superstar set—at Zouk Nightclub at Resorts World Las Vegas, XS Nightclub at Encore at Wynn Las Vegas, or Tao Nightclub at The Venetian Resort Las Vegas, among others—and dance the night away!

## NEW FOR 2027

Select high-yield sessions focused on important topics in cardiovascular anesthesiology will be available as pre-recorded educational content and offered as an added benefit to all SCA Annual Meeting registrants. This expanded format is designed to reduce the number of concurrent live sessions during the meeting while preserving access to valuable educational material. Registrants will have the opportunity to engage with additional expert-led content at their convenience and revisit key topics after the meeting.

### AI in Cardiothoracic Clinical Operations (60 Minutes)

**Moderator:** Menachem Weiner, MD

**15 minutes**
**AI Primer for Clinicians: Essential Concepts, Terminology, and Limits**
Harikesh Subramanian, MD, MS, ABPM-CI

**15 minutes**
**Decision Support, Image Analysis, and Workflow Automation**
Maxime Cannesson, MD, PhD

**15 minutes**
**Ethics, Regulation, and Implementation Challenges (Bias, Safety, Validation, Clinician Adoption)**
Karsten Bartels, MD, PhD, MBA

**15 minutes**
**Discussion**

### Be Calm and Carry on: Cardiopulmonary Bypass Challenges (90 Minutes)

**Moderator:** Jacob Raphael, MD, FAHA

**20 minutes**
**Pharmacokinetics and Pharmacodynamics on CPB**
Anne Beukers, MD, PhD

**20 minutes**
**The Beat Goes On: When Myocardial Protection Does Not Come Easily**
Perin Kothari, DO

**20 minutes**
**Dilution is Not the Solution: Recommendations for Patient Blood Management on CPB**
Ravi Joshi, MD

**20 minutes**
**Catastrophes During Cardiopulmonary Bypass: Air Embolism, Oxygenator Failure, and Aortic Dissection - Prevention and Management**
Alice Whyte, MBBS, FANZCA

**15 minutes**
**Discussion**

### Breathing Easy: Optimizing the Respiratory Care of Cardiac Surgery Patients (75 Minutes)

**Moderator:** Natalia Girardi, MD

**20 minutes**
**Lung Protection in the OR**
Michael Grant, MD, MSE

**20 minutes**
**When Is Early Extubation Too Early?**
Marguerite Hoyler, MD

**20 minutes**
**Extubation Strategies On ECMO**
Maria Hernandez-Morgan, MD

**15 minutes**
**Discussion**

## Cardiomyopathies - Usual and Unusual! (60 Minutes)

**Moderator:** Choy Lewis, MD

**15 minutes**
**Cardio-Oncology: Radiation and Chemotherapy Associated Heart Disease - Unique Perioperative Challenges**
Hawa Abubakar, MD

**15 minutes**
**Mitral Valve Management in Hypertrophic Cardiomyopathies - Intraoperative Perspective**
Andrej Alfirevic, MD

**15 minutes**
**Hypertrophic Cardiomyopathy - Advances in Medical and Intervention Therapies**
Catalin-Iulian Efrimescu, MD, FCAI

**15 minutes**
**Peripartum Cardiomyopathy - Advances, Uncertainties and Future Directions**
Afif Kraitem, MD

## Claiming the Space: Interventional Echo and the Future of Cardiac Anesthesia (90 Minutes)

**Moderator:** Douglas Shook, MD, FASE

**20 minutes**
**Where Are We Now?**
Kiran Belani, MD, FASE, FACC

**20 minutes**
**IE Training: Who Owns It?**
Peter Neuburger, MD, FASE

**20 minutes**
**What Does the Future Look Like?**
Robert Deegan, MBBCh, PhD, FFARCSI

**20 minutes**
**What Is the Skillset We Need to Teach?**
Ethan Brovman, MD, FASE

**10 minutes**
**Discussion**

### Something's Always Happening in Las Vegas

Las Vegas is home to the world's first experiential art and entertainment complex, AREA15. The expansive space, just a quick drive from the Strip, features massive art installations and virtual reality experiences alongside an eclectic roster of restaurants, bars, and lounges. Area 15 is also home to Meow Wolf's Omega Mart and regularly hosts DJs and musical performances.

## Donor Optimization-Advances and Innovations! (60 Minutes)

**Moderator:** Yong Peng, MD, PhD

**15 minutes**
**DBD versus DCD - Effect on Transplant Outcomes**
Joshua Knight, MD, FASE

**15 minutes**
**NRP for Heart and Lung Transplantation**
Choy Lewis, MD

**15 minutes**
**OCS For Heart and Lung Transplantation**
Andrea Miltiades, MD, MS

**15 minutes**
**Moving Into Elective Transplants with Precision Cooling**
Barbara Wilkey, MD

## Navigating New Approaches to the Thoracic Aorta (60 Minutes)

**Moderator:** Brandi Bottiger, MD

**15 minutes**
**Hybrid Arch Repair- Supra-Aortic Debranching + TEVAR**
Shahab Toursavadkohi, MD

**15 minutes**
**Total Endovascular Arch Repair- Branched/Fenestrated Devices**
Mehrdad Ghoreishi, MD

**15 minutes**
**Frozen Elephant Trunk (FET)- Single-Stage Arch + Descending Repair**
Aakash Shah, MD

**15 minutes**
**Discussion**



## New Perspectives on Cardiovascular Pumps and Flow (90 Minutes)

**Moderator:** Nirvik Pal, MD, MBBS, FASE

**20 minutes**
**Pump and Fluid Mechanics in CT Surgical Patients**
Anne Cherry, MD, FASE

**20 minutes**
**Flow In the Cardiovascular System: Applications of Computational Fluid Dynamics in the CTOR**
Karthik Menon, MD

**20 minutes**
**Novel Designs in Ventricular Assist Devices**
Daniel G. Tang, MD

**20 minutes**
**Pulsatile Flow on CPB And ECMO: State of the Evidence In 2027**
Mark Chaney, MD

**10 minutes**
**Discussion**

## Perfusion & Myocardial Protection Strategies for Minimally Invasive Cardiac Surgery (60 Minutes)

**Moderator:** Jennifer Hargrave, DO

**15 minutes**
**Cannulation Strategies for MICS: Peripheral vs Central, Selection Criteria, and Complications**
Ioannis Angelidis, MD, MSPH

**15 minutes**
**Myocardial Protection in MICS: Cardioplegia Strategy, Retrograde Delivery, and the Reduced-Access Challenge**
Heather Hayanga, MD, MPH

**15 minutes**
**CO2 Insufflation and TEE-Guided Dearing**
Susan Walters, MD

**15 minutes**
**Panel Discussion: Robotic AVR Followed by Audience Q&A**
Ravi Joshi, MD

**15 minutes**
**Discussion**

## Precision Pharmacology in Cardiothoracic Anesthesiology (60 Minutes)

**Moderator:** Marguerite Hoyler, MD

**15 minutes**
**Beyond Norepinephrine: Physiology-Guided Selection of Vasoactive Medications**
Lauren Sutherland, MD

**15 minutes**
**From Induction to Extubation: Opioid Selection and Use**
Rebecca Lee, MD, FASA

**15 minutes**
**Closing the Loop: Novel Drug Delivery Systems**
Joana Berger-Estilita, PhD, MMEd, DESA, EDIC, FESAIC

**15 minutes**
**Discussion**

## Putting Out the Fire: Immunomodulation and Inflammation Control after Cardiac Surgery (60 Minutes)

**Moderator:** Natalia Girardi, MD

**15 minutes**
**Steroids, Statins, and Beyond: Pharmacologic Control of Inflammation After Cardiac Surgery**
Marguerite Hoyler, MD

**15 minutes**
**From Inflammation to Injury: Protecting the Brain, Heart, and Kidneys**
Lee Goeddel, MD, MPH

**15 minutes**
**Targeted Immunomodulation: The Future of Cardiac Critical Care**
Jay S. Saggu, MD, DMD

**15 minutes**
**Discussion**

## Quick and Practical 3D Echo Measurements in the Operating Room (60 Minutes)

**Moderator:** Trevor S. Sutton, MD, MBA

**20 minutes**
**Nuts, Bolts, and Pitfalls of Multiplanar Reconstruction**
Charles Nyman, MBBCh

**20 minutes**
**More Mitral? 3D Echo Measurements and Guidance During Surgical Mitral Valve Repair Procedures**
Kiran Belani, MD, FASE, FACC

**20 minutes**
**Repair or Replace the Aortic Valve? - Using 3D Measurements in Surgical Aortic Valve Interventions**
Angela Pollak, MD, FASE, FASA



# SCA ANNUAL MEETING & WORKSHOPS 2027

SOCIETY OF CARDIOVASCULAR ANESTHESIOLOGISTS
Knowledge • Care • Investigation

# Meeting Information

## Important Dates to Remember

**Thursday, February 4, 2027**
Early Bird Registration Deadline

**Thursday, March 11, 2027**
Last day to cancel registration in order to receive a full refund, less a $100 administrative fee.

**Wednesday, March 17, 2027**
Housing Deadline

## Meeting Location & Housing Reservations

Bellagio
3600 S. Las Vegas Boulevard
Las Vegas, NV 89109

*** Cut-off date: March 17, 2027 to reserve housing**

## 2027 Registration Rates

| Annual Meeting Only | Early Bird Rate Ends 2/4/2027 | Regular Rate | On-Demand |
|---|---|---|---|
| Member Physician | $955 | $1,175 | $99 |
| Member Fellow | $490 | $705 | $99 |
| Member Resident | $490 | $705 | $99 |
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| Non-member Resident | $540 | $760 | $129 |
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| Non-member Medical Student | $260 | $360 | $129 |
| **Annual Meeting and TAS** | | | |
| Member Physician | $1,340 | $1,640 | $99 |
| Member Fellow | $740 | $1,030 | $99 |
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## Program Agenda and Faculty

Agendas are subject to change. As we strive to improve the quality of your educational experience, the SCA may substitute faculty with comparable expertise when necessary.

## Registration Cancellation Information

Cancellations and refund requests must be made in writing to info@scahq.org, by Thursday, March 11, 2027. A refund of the full conference fee, minus a $100 administrative fee, will be given for cancellations received by that date. No refunds will be granted for requests postmarked after Thursday, March 11, 2027– all sales are final.

Registrants that provide documentation of a medical emergency/doctor order not to travel are eligible for a refund (less fees) after the cancellation deadline (including following the event). No-shows are not eligible for credit or refund. No refunds will be given for registrations or event add-ons for failure to attend, late arrival or early departure from the meeting. Meeting registration fee and event add-ons are not transferable to another attendee or SCA meeting.

SCA reserves the right to substitute faculty or to cancel or reschedule sessions because of low enrollment or other unforeseen circumstances. If SCA must cancel the entire meeting, registrants will receive full credit or a refund of their paid registration fee. No refunds can be made for lodging, airfare, or any other expenses related to attending the meeting.

## Geographical Pricing

SCA is proud to offer geographical pricing to those who work/reside in one of these countries. Please contact us at ncranston@veritasamc.com for pricing information.

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