



SOCIETY OF  
CARDIOVASCULAR  
ANESTHESIOLOGISTS  
Knowledge • Care • Investigation



# SCA2025

## Annual Meeting & Workshops

**April 26 - 29, 2025**

Montréal, Canada

Montréal Convention Center



**NETWORK** Cardiovascular\_Anesthesiologists ▪ **PASSWORD** SCA2025AM



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SocietyofCardiovascularAnesthesiologists

**#SCA2025**

# Welcome **SCA2025**



Dear Colleagues,

Welcome to Montreal, Canada and thank you for attending SCA's Annual Meeting & Workshops! We're confident that this meeting will provide countless opportunities to improve your practice and celebrate our specialty with your peers.

The educational programming is full of research, recent advancements, and innovative content designed to explore contemporary care and examine the best pathways to advance care. The Scientific Program Planning Committee created a program that will stimulate ideas, questions, discussion, and friendly debate. The conference features speakers who are anesthesiologists, surgeons, cardiologists, perfusionists, research scientists, and more; content-rich workshops that focus on skill building; daily Problem-Based Learning Discussions for small-group interaction; and over 450 scientific abstracts and challenging case presentations.

This year's keynote speaker is Dr. Christopher Troianos, a Past President of SCA and NBE as well as an ABA senior board examiner. He has served as Chair of the Government and Economics committee for SCA and the Committee on Economics for ASA. He is currently Chair of the Anesthesiology Institute at the Cleveland Clinic. His timely presentation will discuss the importance of Physician Leadership for Today's Healthcare Challenges.

We hope that you will take advantage of every opportunity to expand your knowledge by attending a variety of sessions and networking with the field's leading professionals. We are pleased that you have joined us in Montreal!

Best wishes,

A handwritten signature in black ink that reads "Kathryn E. Glas".

Kathryn E. Glas, MD, MBA, FASE  
President, 2023-2025

# Annual Meeting & Workshops



Dear Colleagues,

Thank you for joining us at the Society of Cardiovascular Anesthesiologists 47th Annual Meeting and Workshops in beautiful Montreal, Canada, April 26-29, 2025.



This year we have sessions discussing heart failure, transcatheter heart procedures, adult congenital heart disease, transplantation, aortic surgery, mitral valve surgery, mechanical circulatory support, and coagulation/transfusion strategies.

New for 2025, we have a COR-PM/Research track which will offer programming developed for those with a professional interest in research. We have also partnered with the teams at Montreal Heart Institute (l'Institut de cardiologie de Montréal) and are excited offer 2 live case sessions for the first time at our Annual Meeting.

As always, panels include experts from the world of cardiology, cardiothoracic surgery, perfusion, critical care medicine, regional anesthesiology, law, and finance. We have programs designed for trainees, offering a robust choice of presentations geared toward medical students, residents, and fellows. The workshops are state-of-the-art with increased capacity to allow more attendees to participate in hands-on opportunities to learn cutting edge technology from masters in the field.

Scientific discovery and the work of our membership will be presented via abstract presentations and Best of Meeting sessions, unusual and interesting echos will be presented in the Super Echo session, and the PBLDs will offer small group interaction with experts.

Immediately following our sessions end on Saturday, we will be hosting our first SCA Networking event with many of the SCA component groups within the SCA. We invite you to join us to meet with exhibitors and key SCA committee and interest groups. Saturday night, the SCA Endowment Council has put together an amazing Gala event which will take place at St. James Theatre.

We are thrilled to welcome you to Montreal!

A handwritten signature in dark ink, appearing to read "J. Ho", is placed below the text "We are thrilled to welcome you to Montreal!".

Jonathan K. Ho, MD, FASE  
Chair, Scientific Program Committee 2025

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**PREVIEW AUCTION  
ITEMS AND BID**



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- Evaluate speakers in real-time (at the end of each session)



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# SCHEDULE AT A GLANCE

**Saturday, April 26, 2025**

<b>7:00 AM - 8:00 AM</b>	Breakfast	<i>Foyer</i>
<b>8:00 AM - 10:00 AM</b>		
• <b>Plenary Session</b>	Refresher Course Lectures - Tricuspid Management, Neuroprotection, POCUS, and OR Sustainability	517A
<b>9:00 AM - 12:00 PM</b>		
• <b>Workshop</b>	ECMO Workshop	520BE
• <b>Workshop</b>	Advanced Perioperative POCUS Workshop	520AD
<b>10:00 AM - 10:30 AM</b>	Coffee Break	<i>Foyer</i>
<b>10:30 AM - 12:00 PM</b>		
• <b>General Session</b>	Anesthetic Considerations for Modern Evolutions in Thoracic Aortic Surgery	517C
• <b>General Session</b>	Get With the Guidelines! Pearls From Recent Publications to Improve the Practice of Cardiac Surgery	517A
• <b>Research/COR-PM</b>	Patient-Centered Outcomes in Cardiovascular Medicine and Surgery	518ABC
<b>11:00 AM - 12:00 PM</b>		
• <b>Fellow/Resident</b>	Fellow and Resident Posters: Session 1	516
<b>12:00 PM - 1:00 PM</b>	Lunch on Your Own	
	Non-CME Corporate Sponsored Symposium	517B
<b>12:00 PM - 1:00 PM</b>	<b>PBLDs with Lunch</b>	
• <b>PBLD #7</b>	Descending Thoracic Aortic Repair: Spinal Cord Protection Strategies	521C
• <b>PBLD #8</b>	Vasoplegia, Vasoactives, and Vitals: Managing Vasoplegia During Cardiac Surgery	522A
• <b>PBLD #9</b>	Tracheal Resection and Reconstruction for Tracheal Stenosis	522B
• <b>PBLD #10</b>	Moving from Two to Three Stars: Using Big Data to Improve Our Program's STS Rating	522C
• <b>PBLD #11</b>	In Two Places at Once: Ethical and Legal Considerations for Concurrent Surgeries	525A
• <b>PBLD #12</b>	Failure to Separate: Use of Mechanical Support for Separation from CPB	525B
<b>1:00 PM - 2:00 PM</b>		
• <b>Fellow/Resident</b>	Mission Possible – Guidance for the Next Chapter	519AB
<b>1:00 PM - 2:30 PM</b>		
• <b>General Session</b>	The Rise of the Machines: The Cardiopulmonary Bypass Snapchat	517A

## Saturday, April 26, 2025

• <b>General Session</b>	When Stakes Are High: Masterclass for Diagnosis, Treatment and Prevention of Incivility in Cardiac OR	518ABC
• <b>Research/COR-PM</b>	COR PM/Research 1: Key Techniques for Reading and Interpreting the Literature	517C
2:00 PM - 3:30 PM		
• <b>Fellow/Resident</b>	Echo Essentials Masterclass	519AB
2:00 PM - 5:00 PM		
• <b>Workshop</b>	Advanced TEE Workshop: Advanced Echo Modalities for Practical Use	520BE
• <b>Workshop</b>	Regional Workshop: Integrating Regional Anesthesia Into a Cardiac Anesthesiology Practice	520AD
2:30 PM - 3:00 PM	Coffee Break	Foyer
2:30 PM - 3:00 PM		
• <b>Research/COR-PM</b>	Late-breaking Research Session	517C
3:00 PM - 4:30 PM		
• <b>General Session</b>	Artificial Intelligence in Cardiac Anesthesia: Are You Ready for the AI Wave?	518ABC
• <b>General Session</b>	Optimizing RBC Mass Before Major Surgery: Increasing Patient Safety and Decreasing Blood Transfusions	517A
• <b>Research/COR-PM</b>	COR PM/Research 2: The Shifting Landscape of Anesthesia Research	517C
4:00 PM - 5:00 PM		
• <b>Fellow/Resident</b>	Fellow and Resident Posters: Session 2	516
4:30 PM - 6:30 PM	<b>SCA NETWORKING EVENT AND WELCOME RECEPTION WITH EXHIBITORS</b> <i>Exhibit Hall - 517D</i>	
5:00 PM - 6:30 PM		
• <b>Fellow/Resident</b>	"Getting to Know You" Program Meet and Greet	<i>Exhibit Hall - 517D</i>
7:00 PM	<b>SCA GALA (Ticketed Event)</b>	<i>St. James Theatre</i>

- **Fellow/Resident**
- **General Session**
- **PBLD**
- **Plenary Session**
- **Research/COR-PM**
- **Workshop**

# SCHEDULE AT A GLANCE

**Sunday, April 27, 2025**

<b>6:45 AM - 8:00 AM</b>	<b>PBLDs with Breakfast</b>	
• <b>PBLD #13</b>	Fun Had with Fon-VADs: Perioperative Management of the Fontan Patient: Undergoing Durable VAD Placement	522A
• <b>PBLD #14</b>	Perfusion Emergencies	522B
• <b>PBLD #15</b>	Severe Right Ventricular Dysfunction After Cardiac Surgery: Everyone's Nightmare	522C
• <b>PBLD #16</b>	VAD Emergencies	525A
• <b>PBLD #17</b>	High Risk OB: HOCM and the Laboring Parturient	525B
<b>7:00 AM - 8:00 AM</b>	Breakfast with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>8:00 AM - 9:00 AM</b>	<b>Earl Wynands Lecture</b> Hemodynamically Unstable, Why? Andre Denault, MD, PhD	517A
<b>9:00 AM - 10:30 AM</b>	• <b>Plenary Session</b> Save the Valve! How to Ensure Success and Durability of the Valve Repair	517A
<b>9:30 AM - 11:30 AM</b>	• <b>Workshop</b> Tips and Tricks from the Editors: Anesthesia & Analgesia Reviewers Workshop	520BE
<b>9:30 AM - 12:30 PM</b>	• <b>Workshop</b> Structural Heart and Electrophysiology Workshop: Ensuring Success in the Lab	520AD
<b>10:30 AM - 11:00 AM</b>	Coffee Break with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>11:00 AM - 12:30 PM</b>	• <b>General Session</b> Choosing Successful Strategies in Transplantation: Snapchat Talks	517C
	• <b>General Session</b> Late-Breaking Concepts in Cardiac Anesthesiology: What's New in 2025?	517A
	• <b>General Session</b> EACTAIC Presents: Discussion of Leadership	518ABC
<b>11:00 AM - 12:00 PM</b>	• <b>Fellow/Resident</b> Fellow and Resident Posters: Session 3	516
<b>12:00 PM - 1:00 PM</b>	• <b>Fellow/Resident</b> "Best in Show" Complex Case Presentation	519AB
<b>12:30 PM - 1:30 PM</b>	Lunch for Attendees in Exhibit Hall	<i>Exhibit Hall - 517D</i>
	Non-CME Corporate Sponsored Symposium	517B

# Sunday, April 27, 2025

## 12:30 PM - 1:30 PM

- **Research/COR-PM** Scientific Program: Poster Session 1 516

## 1:30 PM - 3:00 PM

- **General Session** An Individualized Approach to Enhanced Recovery After Cardiac Surgery 517A
- **General Session** SCA/STS Session: I've Got Noisy Ants in my Pants – The Cardiac Surgical Team 517C
- **Research/COR-PM** Our SCA Research Funding at Work: Grant Project Results, Impact, and Ongoing Work 518ABC

## 1:30 PM - 4:30 PM

- **Fellow/Resident** Keys to Success: A Crash Course of Critical ACA Concepts 519AB

## 2:30 PM - 5:30 PM

- **Workshop** 3D TEE Workshop 520AD
- **Workshop** Professional Development Workshop: Advancing Your Career in Cardiac Anesthesiology: A Skill-Building Workshop for Professional Growth and Leadership 520BE

- 3:00 PM - 3:30 PM Coffee Break with Exhibitors *Exhibit Hall - 517D*

## 3:30 PM - 5:30 PM

- **General Session** Code Shock! Building a Cardiogenic Shock Team and Treatment Plan 517C
- **General Session** Dissecting the Coronary Artery Bypass Controversies 517A
- **Research/COR-PM** Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 1 518ABC

- **Fellow/Resident**
- **General Session**
- **PBLD**
- **Plenary Session**
- **Research/COR-PM**
- **Workshop**

# SCHEDULE AT A GLANCE

Monday, April 28, 2025

<b>6:45 AM - 8:00 AM</b>	<b>PBLDs with Breakfast</b>	
• <b>PBLD #18</b>	Lung Transplantation Management: Strategies, Tips, and Tricks	522A
• <b>PBLD #19</b>	Unexpected Intra Operative Echo Findings: When Your Exam Should Change the Surgical Plan (or Not)	522B
• <b>PBLD #20</b>	Navigating High Risk Structural Heart	522C
• <b>PBLD #21</b>	To Bleed or Not to Bleed: Assessing Blood Conservation Strategies in Cardiac Surgery Patients	525A
• <b>PBLD #22</b>	Severe Pulmonary Hypertension and Non-cardiac Surgery	525B
<b>7:00 AM - 8:00 AM</b>	Breakfast with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>7:00 AM - 10:00 AM</b>		
• <b>General Session</b>	Live Case Discussion with the Montreal Heart Institute Team: Isolated Tricuspid Regurgitation: Complex Isolated Tricuspid REDO Surgery, New Challenges in 2025	518ABC
<b>8:00 AM - 10:00 AM</b>		
• <b>Plenary Session</b>	Anti-Coagulation and Hemostasis Challenges in Cardiac Surgery and ICU Patients	517A
<b>9:30 AM - 12:30 PM</b>		
• <b>Workshop</b>	Advanced Perioperative POCUS Workshop	520BE
<b>10:00 AM - 10:30 AM</b>	Coffee Break with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>10:30 AM - 11:00 AM</b>		
	ASA Update	517A
<b>11:00 AM - 12:00 PM</b>		
	<b>Keynote Address:</b> The Importance of Physician Leadership for Today's Healthcare Challenges <i>Christopher A. Troianos, MD, FASE, FASA</i>	517A
<b>12:00 PM - 12:30 PM</b>		
	Business Meeting & Awards	517A
<b>12:30 PM - 1:30 PM</b>		
	Lunch for Attendees in Exhibit Hall	<i>Exhibit Hall - 517D</i>
	Non-CME Corporate Sponsored Symposium	517B
• <b>Research/COR-PM</b>	Scientific Program: Poster Session 2	516
<b>1:30 PM - 3:30 PM</b>		
• <b>General Session</b>	Anatomy of a Lawsuit: What Every Cardiac Anesthesiologist Should Know	517C
• <b>General Session</b>	Multidisciplinary Beginner Course in Structural Heart Echocardiography – Short, Sweet, and to the Point!	517A
• <b>General Session</b>	The Voices of SCA Members: Fostering SCA as a Place to Belong and Grow	518ABC
<b>3:30 PM - 3:45 PM</b>	Coffee Break	<i>Foyer</i>
<b>3:45 PM - 5:45 PM</b>		
• <b>General Session</b>	Adult Congenital Heart Disease: When You Are the Expert	517A
• <b>General Session</b>	Navigating the Opioid Crisis in Cardiothoracic Surgery	518ABC
• <b>General Session</b>	Super Echo	524ABC
• <b>Research/COR-PM</b>	Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 2	517C

## Tuesday, April 29, 2025

<b>6:45 AM - 8:00 AM</b>	<b>PBLDs with Breakfast</b>	
• <b>PBLD #23</b>	Sedation for High-risk Patients: The ABCs of Avoiding Disaster	522A
• <b>PBLD #24</b>	Complications in the ICU: Preventing Afib, Coagulopathy and AKI	522B
• <b>PBLD #25</b>	Taking the Mystery Out of the Mitral Valve	522C
• <b>PBLD #26</b>	Pulmonary Thromboendarterectomy Pearls and Pitfalls	525A
• <b>PBLD #27</b>	My Patient Is on ECMO, Now What? Ask the Experts	525B
<b>7:00 AM - 8:00 AM</b>	Breakfast with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>8:00 AM - 10:00 AM</b>		
• <b>General Session</b>	Live Case Discussion with the Montreal Heart Institute Team: Advanced Surgery for Aortic Valve Insufficiency	524ABC
• <b>General Session</b>	The Forgotten Ventricle and the Downward Spiral: How to Salvage?	517C
• <b>General Session</b>	The Times, They Are a Changin': Hot Topics In ACTA/Anesthesiology Education	518ABC
<b>9:00 AM - 12:00 PM</b>		
• <b>Workshop</b>	3D TEE Workshop	520AD
<b>10:00 AM - 10:30 AM</b>	Coffee Break with Exhibitors	<i>Exhibit Hall - 517D</i>
<b>10:30 AM - 12:00 PM</b>		
• <b>General Session</b>	Acute Kidney Injury – Predict, Avoid, Manage, and Treat	517C
• <b>General Session</b>	How to Create a Quality Improvement Program that Sticks	518ABC
<b>12:00 PM - 1:00 PM</b>	Lunch on Your Own	
<b>12:00 PM - 1:00 PM</b>		
• <b>Research/COR-PM</b>	Scientific Program: Poster Session 3	516
<b>1:00 PM - 2:30 PM</b>		
• <b>General Session</b>	Keeping Up with The EP Lab	517C
• <b>General Session</b>	Navigating the Evolving Financial Terrain: Impacts of Legislative Changes and Strategies for Adding Value in Cardiac Anesthesiology	518ABC
• <b>General Session</b>	TAS for SCA: Sticky Points in Thoracic Anesthesia	524ABC
<b>2:30 PM - 4:00 PM</b>		
• <b>General Session</b>	Aortic Disasters and Rescues	524ABC
• <b>General Session</b>	What's the Latest in ECMO and ECLS?	517C
<b>4:00 PM - 5:30 PM</b>		
• <b>Plenary Session</b>	Echocardiographic Extravaganza: Things You Should Know but Might Not!	517A
<b>5:30 PM - 6:15 PM</b>	<b>CLOSING WINE AND CHEESE RECEPTION</b>	<i>Foyer</i>

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Photography

Please be advised that throughout the meetings, photos may be taken for use in SCA marketing materials, including the e-newsletter and SCA Facebook and Twitter pages. If you do not consent to be photographed, please advise SCA management in writing at [info@scahq.org](mailto:info@scahq.org).

Video

By attending the SCA event or entering the event premises, you agree not to record or digitize any parts of the presentations.

HOURS OF OPERATION

Registration ..... Foyer

Friday, April 25 .....	6:00 AM – 7:00 PM
Saturday, April 26 .....	6:30 AM – 6:30 PM
Sunday, April 27 .....	6:30 AM – 6:00 PM
Monday, April 28.....	6:30 AM – 6:00 PM
Tuesday, April 29 .....	6:30 AM – 6:00 PM

Exhibit Hall ..... 517D

Saturday, April 26 .....	10:00 AM – 6:30 PM
Sunday, April 27 .....	7:00 AM – 3:30 PM
Monday, April 28.....	7:00 AM – 4:00 PM
Tuesday, April 29 .....	7:00 AM – 1:00 PM

Speaker Ready Room ..... 523AB

Friday, April 25 .....	6:00 AM – 6:00 PM
Saturday, April 26 .....	6:00 AM – 6:00 PM
Sunday, April 27 .....	6:00 AM – 6:00 PM
Monday, April 28.....	6:00 AM – 6:00 PM
Tuesday, April 29 .....	6:00 AM – 5:30 PM

Coat and Luggage Check..... Viger Hall on Level 2

Friday, April 25 .....	7:00 AM – 7:00 PM
Saturday, April 26 .....	6:00 AM – 6:30 PM
Sunday, April 27 .....	6:00 AM – 6:00 PM
Monday, April 28.....	6:00 AM – 6:00 PM
Tuesday, April 29 .....	6:00 AM – 6:00 PM



# SCA 2025 ENDOWMENT



GENERAL  
INFORMATION

## What if you can give a donation that would grow from year to year? You can!

Your donation plays a pivotal role in the Society of Cardiovascular Anesthesiologists' (SCA) ongoing mission to lead, innovate, and excel in the field of cardiovascular anesthesiology. Every contribution is directed towards funding cutting-edge research, supporting educational programs, and developing resources that enhance patient care.

By investing in the advancement of knowledge and treatment strategies, your generosity not only aids in the education and development of current and future anesthesiologists but also contributes to improving the outcomes for patients facing cardiovascular diseases across the globe. In essence, your support empowers the SCA to continue its vital work, ensuring that the most advanced care and groundbreaking research continue to evolve and reach those in need.

## WAYS TO GIVE

### 1. One Time Contributions

To donate online please use the secure SCA website:  
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### 2. Planned Giving

Planned gifts establish a legacy and long-term connection to the SCA mission. There are many options for planned giving like gifts of stock or property, life insurance beneficiary designation, and charitable gift annuities.

To learn more about making a Planned Gift, please visit the SCA website at <https://scahq.org/endowment/planned-giving/>

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## EARL WYNANDS LECTURE

**ANDRÉ DENAULT, MD, PHD**

Dr. Denault is an academic-physician with special interests in ultrasound. His medical qualifications and specialties include internal medicine (1991), critical care medicine (1993) and anesthesia (1996). In 2010 he completed a PhD in biomedical Science at the University of Montreal. He has advanced certification in National Board in Echocardiography (NBE) in perioperative transesophageal echocardiography and critical care ultrasound. Dr. Denault has written more than 330 peer-reviewed articles, 63 book chapters and three textbooks on perioperative transesophageal and critical care ultrasound. He has been invited as a speaker in local, national and international meetings, and has won several teaching awards including the Canadian Anesthesia Research Award in 2022. He currently works as a cardiac anesthesiologist at the Montreal Heart Institute. He is the director of research in the Department of Anesthesia and the Director of the Whole-body Ultrasound Fellowship Program at the University of Montreal. Major interests include: right ventricular function, venous congestion, brain monitoring and bedside whole-body ultrasound.



## KEYNOTE LECTURE

**CHRISTOPHER A. TROIANOS, MD, FASE, FASA**

Dr. Troianos is Professor and Enterprise Chair of Anesthesiology at the Cleveland Clinic and Lerner College of Medicine of Case Western Reserve University. Cleveland Clinic's Anesthesiology Department unites all specialists in multi-specialty anesthesiology, cardiothoracic anesthesiology, intensive care, and resuscitation, community practice anesthesiology, and outcomes research, within our fully integrated model of caring for life, researching for health, and educating those who serve our patients. He was recognized by the Cleveland Clinic for being an outstanding champion for women professional staff by receiving the Clinic's Women's Professional Staff Association's Women's Champion Award.

Dr. Troianos has earned a national and international reputation as a cardiac anesthesiologist and echocardiographer. He has authored numerous peer-reviewed publications, three textbooks: "Anesthesia for the Cardiac Patient", "Perioperative Fluid Management", and the "Comprehensive Textbook of Perioperative and Critical Care Echocardiography". He has been an invited speaker to over 240 national and international scientific educational conferences.

Dr. Troianos served as President of the Society of Cardiovascular Anesthesiologists (SCA), 2017-19. He led the SCA's efforts at establishing board certification in Cardiac Anesthesiology through the American Board of Anesthesiology. He served as the President for the National Board of Echocardiography (2021-23), which develops certification examinations and recognizes physicians who fulfill the requirements for board certification in echocardiography. Dr. Troianos also served as the Chair of the American Society of Anesthesiologists (ASA's) Committee on Economics (2017-21), and currently serves as Chair for the ASA's Section on Professional Practice.

He earned a Bachelor of Science degree in Chemistry from Carnegie-Mellon University and his medical degree from the University of Pittsburgh. He completed his anesthesiology residency at (now) UPMC Mercy Hospital in Pittsburgh, and a cardiothoracic anesthesiology fellowship at the University of Pennsylvania.

# AWARD RECIPIENTS

## Distinguished Service Award

### MICHAEL CAHALAN, MD

Dr. Michael K. Cahalan, former chair of the Department of Anesthesiology at the University of Utah School of Medicine, died March 9, 2019, at the age of 69 after a brief illness. He was a giant in anesthesiology and a pioneer in the development of transesophageal echocardiography applications in anesthesia. He made many other important contributions to the specialty of anesthesiology, having achieved a notable measure of success in all the traditional missions of academics, including research, teaching, clinical care, and administration. In this summary, his early life, education, and the contributions he made to the practice of anesthesiology in general and to cardiac anesthesia and echocardiography in particular are reviewed.



## Presidential Outstanding Service Award

### GLENN GRAVLEE, MD

Dr. Gravlee is Professor Emeritus at University of Colorado School of Medicine, having retired in 2018. He recently served as Chair of the History Council of SCA, on which he remains a member, and was SCA President from 2003-5. He served 25 years on the SCA Board of Directors and is a Past President of the American Board of Anesthesiology.



## John Hinckley Outstanding Service Award

### CHARLES BOINSKE

Charles P. Boinske, CFA(R), a strategic advisor and principal with Modera Wealth Management, is internationally recognized as a trusted resource on complex financial issues faced by high-net-worth individuals and institutions. He has worked with the Society of Cardiovascular Anesthesiologists for more than 25 years. Charles is an avid fly fisherman, amateur historian and Penn State fan who lives with his wife Laura in State College, Pa.



## Kaplan Leadership Development Award

### NADIA HENSLEY, MD

Dr. Nadia Hensley is an Associate Professor in the Dept of Anesthesiology and Critical Care Medicine at Johns Hopkins Hospital. She serves as the Deputy Vice Chair of Quality, Safety, and Service for the department and has a research interest in patient blood management in surgical patients. Dr. Hensley has served as the Vice Chair of the SCA PBM committee and will begin her term as Chair of the committee this year. She is very grateful to the committee for selecting her for the Kaplan Leadership Award which she will use for the Executive Leadership in Healthcare course at Harvard T.H. Chan School of Public Health.



## Kaplan Leadership Development Award

### REGINA LINGANNA, MD

Dr. Linganna is an assistant professor at the Hospital of Pennsylvania. She is passionate about medical education, particularly about the intersection of technology and education. She is currently pursuing her master's in medical education where she hopes to cultivate skills that will enhance her abilities as a medical educator.



# AWARD RECIPIENTS



## **Presidential Citation**

Jessica Brodt, MD



## **Presidential Citation**

Jennifer Hargrave, DO



## **Early Career Investigator Award**

Serena Dasani, MD, MBA



## **Early Career Investigator Award**

Nicolas T. Quach, MD



## **Early Career Investigator Award**

Anjan Saha, DO



## **Early Career Investigator Award**

Benjamin Steinhorn, MD, PhD



## **Early Career Investigator Award**

Kwame Wiredu, MD, PhD



## **Early Career Investigator Award**

Sherman Yu, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Biodun Adelyi, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Susana Arango Arango, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Jane-Frances Aruma, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Richard Beckett-Ansa, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Cheng-Hao Jacky Chen, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Katherine (Taylor) Fortson, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Robert Hawthorne, MD, PhD



## **Underrepresented in Medicine Junior Resident Scholarship**

Joeeun Kang, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Laura Mendez Pino, MD



## **Underrepresented in Medicine Junior Resident Scholarship**

Kwame Wiredu, MD

REGISTRATION OPEN

Foyer

6:00 AM - 6:00 PM

BREAKFAST

Foyer

7:00 AM - 8:00 AM

PLENARY SESSION

8:00 AM - 10:00 AM

**Refresher Course Lectures – Tricuspid Management, Neuroprotection, POCUS, and OR Sustainability**



517A

Moderators: Jonathan Ho, MD, FASE and Stephanie Ibekwe, MD, MBA, MPH, MS

*Tricuspid Valve Management – Updates You Need*

Mary Beth Brady, MD, FASE

*POCUS for the Cardiac Anesthesiologist – Where Are We Now*

Megan Chacon, MD

*Neuroprotection in Cardiac Surgery*

Hilary Grocott, MD, FRCPC

*Sustainability and the Cardiac Operating Room*

Joshua Hubert, DO

WORKSHOPS

9:00 AM - 12:00 PM

**ECMO Workshop**

520BE

Workshop Moderators: Mariya Guebe, MD, FASE; Christina Jelly, MD, MS; and Michael Mazzeffi, MD, MPH, FASA

Workshop Speaker: Pierre-Emmanuel Noly, MD, PhD

Workshop Faculty: Promise Ariyo, MD, MPH, Kyle Bohman, MD; Sreekanth Cheruku, MD, MPH, FASE, FCCM; Jerome Crowley, MD, MPH; Gurinder Gill, MD; Christina Jelly, MD, MS; Ron Leong, MD; Michael Mazzeffi, MD, MPH, FASA; Kunal Panda, MD; Siavosh Saatee, MD; and Matthew Vanneman, MD, FASE

**Advanced Perioperative POCUS Workshop**

520AD

Workshop Moderators: McKenzie Hollon, MD, FASE and Agnieszka Trzcinka, MD, FASE

Workshop Speakers: Abirami Kumaresan, MD and Nicholas Markin, MD, FASE

Workshop Faculty: Bradley Coker, MD; Amy Duhachek-Stapelman, MD; Laeben Lester, MD; Chantal Mercier Laporte, MD, MEHP, FRCPC, FASE; Jacques Prince Neelankavil, MD; Sheela Pai Cole, MD, FASE, FASA; and Walker Thomas, MHPTT, FASE, RDCS



## COFFEE BREAK

Foyer

10:00 AM - 10:30 AM

## GENERAL SESSIONS

10:30 AM - 12:00 PM

### **Anesthetic Considerations for Modern Evolutions in Thoracic Aortic Surgery**

517C

Moderators: Ankit Jain, MBBS, FASE, FASA, MBA and Nirvik Pal, MD

*Zones of Classification and Types of Hybrid Operations*

Melissa Burger, MD

*Neurological Complications and Spinal Cord Protection in Thoracoabdominal Aortic Surgery*

Hamdy Elsayed-Awad, MD

*Kidney Protection Strategies in Thoracoabdominal Aortic Surgeries*

Mariya Guebe, MD, FASE

*Make it STOP! Treating Acquired Coagulopathy During Open Thoracoabdominal Aortic Aneurysm Repair*

Reney Henderson, Jr., MD

### **Get With the Guidelines! Pearls From Recent Publications to Improve the Practice of Cardiac Surgery**



517A

Moderators: Miklos Kertai, MD, MMHC, PhD and Jacob Raphael, MD, FAHA

*Management of Preoperative Anemia: Is the Return Worth the Investment?*

Jacob Raphael, MD, FAHA

*Implementing a Point-of-Care Hemostasis Testing Program in Your Institution: Are We Improving Outcomes?*

Kenichi Tanaka, MD, MSc

*New Guidelines and Bundles: How Can Anesthesiologists Mitigate Kidney Dysfunction After Cardiac Surgery?*

Amanda Fox, MD, MPH

*Does the Evidence Support the Implementation of Enhanced Recovery Programs After Cardiac Surgery?*

Michael Conrad Grant, MD

*The New Guidelines for Perioperative Cardiovascular Management for Noncardiac Surgery*

Annemarie Thompson, MD



## RESEARCH/COR-PM

10:30 AM - 12:00 PM

### Patient-Centered Outcomes in Cardiovascular Medicine and Surgery (Non-CME)

518ABC

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

*Quality of Life Research Instruments and Patient-centered Endpoints in Perioperative Clinical Research: StEP and Beyond*

Detlef Obal, MD, PhD, DESA

*Patient-defined Outcomes for Cardiovascular Procedures*

Louise Sun, MD, SM, FRCPC, FAHA

*Shared Decision-making in General and Underserved Populations*

Marc Ruel, MD, MPH, FRCSC, FCCS, FAHA, FACC

## FELLOW/RESIDENT

11:00 AM - 12:00 PM

### Fellow and Resident Posters: Session 1 (Non-CME)

516

See pages 66 - 73 for full schedule.

## LUNCH ON YOUR OWN

Non-CME Corporate Sponsored Symposium

517B

12:00 PM - 1:00 PM

## PROBLEM-BASED LEARNING DISCUSSIONS WITH LUNCH

12:00 PM - 1:00 PM

### PBLD #7: Descending Thoracic Aortic Repair: Spinal Cord Protection Strategies 521C

Moderators: Harendra Arora, MD, MBA, FASA and Choy Lewis, MD

### PBLD #8: Vasoplegia, Vasoactives, and Vitals: Managing Vasoplegia During Cardiac Surgery 522A

Moderators: Nikolaos Skubas, MD, DSc, FACC, FASE and Luai Zakaria, MD

### PBLD #9: Tracheal Resection and Reconstruction for Tracheal Stenosis 522B

Moderators: Aneeta Bhatia, MD, MBA, FFARCS, FASE and Rebecca Klinger, MD, MS

### PBLD #10: Moving from Two to Three Stars: Using Big Data to Improve Our Program's STS Rating 522C

Moderators: Kathirvel Subramaniam, MD, MPH, FASE and Louise Sun, MD, SM, FRCPC, FAHA

### PBLD #11: In Two Places at Once: Ethical and Legal Considerations for Concurrent Surgeries 525A

Moderators: Amy Babb, MD; Calvin Kuan, MD, FAAP; and Charles Napolitano, MD, PhD, FASA

### PBLD #12: Failure to Separate: Use of Mechanical Support for Separation from CPB 525B

Moderators: Steven Bartels, MD and Jacques Prince Neelankavil, MD

## FELLOW/RESIDENT

1:00 PM - 2:00 PM

**Mission Possible—Guidance for the Next Chapter (Non-CME)**

519AB

See page 54 for full schedule.

## GENERAL SESSIONS

1:00 PM - 2:30 PM

**The Rise of the Machines: The Cardiopulmonary Bypass Snapchat**



517A

Moderators: Mariya Geube, MD, FASE and Nadia Hensley, MD

*Blood Conservation During CPB – What Works and What Does Not?*

Nadia Hensley, MD

*Mitigating the Inflammatory Response from CPB – Is It Possible?*

Michael Eaton, MD

*Myocardial Protection in Patients With Arterial Grafts*

Pierre-Emmanuel Noly, MD, PhD

*Cardiopulmonary Bypass Emergencies – A Crash Course*

Nakul Kumar, MD

**When Stakes Are High: Masterclass for Diagnosis, Treatment and Prevention of Incivility in Cardiac OR**

518ABC

Moderator: Agnieszka Trzcinka, MD, FASE

*Incivility in Cardiac OR: Prevalence and Its Effect on Cardiac Anesthesiologists*

Trevor Sutton, MD, MBA

*Incivility in Cardiac OR: How to Achieve Effective Communication When Stakes Are High*

Sasha Shillcutt, MD, MS, FASE

*Incivility in Cardiac OR: Steps to Prevent It and Teach Necessary Tools During Cardiac Anesthesiology Training*

Michele Sumler, MD, MA, FASE

*When Incivility in Cardiac OR Becomes Fatal: Effects of Incivility on Patient Safety*

Emily Methangkool, MD, MPH

## RESEARCH/COR-PM

### COR PM/Research 1: Key Techniques for Reading and Interpreting the Literature 517C

Moderators: Lisa Rong, MD, MSCE, FASE, FACC and Shahzad Shaefi, MD, MPH

*Essential Basic Science Techniques to Understand Bench Research Studies*

Joseph Walpole, MD, PhD

*Clinical Outcome Research – Statistics and Concepts You Need to Know*

Charles Brown, MD

*Conquering Meta-analysis and Systematic Reviews*

Michael Conrad Grant, MD

## FELLOW/RESIDENT

2:00 PM - 3:30 PM

**Echo Essentials Masterclass (Non-CME)**

519AB

See page 54 for full schedule.

## WORKSHOPS

2:00 PM - 5:00 PM

**Advanced TEE Workshop: Advanced Echo Modalities for Practical Use**

520BE

Workshop Moderators: Peter Neuburger, MD, FASE and Kelly Ural, MD

Workshop Speakers: Kiran Belani, MD, FASE, FACC; Megan Chacon, MD; Burkhard Mackensen, MD, PhD, FASE, FSCAI; Nicholas Markin, MD, FASE; Alina Nicoara, MD, FASE; Lisa Rong, MD, MSCE, FASE, FACC; Aidan Sharkey, MD; Stanton Shernan, MD, FAHA, FASE; Richard Sheu, MD, FASE; and Douglas Shook, MD, FASE

**Regional Workshop: Integrating Regional Anesthesia into a Cardiac Anesthesiology Practice**

520AD

Workshop Moderators: Himani Bhatt, DO, MPA, FASE and Jessica Brodt, MBBS, FASA

Workshop Faculty: Alexander Gregory, MD, FRCP; McKenzie Hollon, MD, FASE; Marta Kelava, MD; Rebecca Klinger, MD, MS; Luca La Colla, MD, MSHI, ABPM-CI; Benu Makkad, MD; Samhati Mondal, MBBS, MD, FASE; Benjamin Salter, DO; and Daniel Tolpin, MD

## COFFEE BREAK

Foyer

2:30 PM - 3:00 PM

## RESEARCH/COR-PM

2:30 PM - 3:00 PM

**Late-breaking Research Session (Non-CME)**

517C

Moderator: Jochen Steppan, MD, DESA, DABA, FAHA, FASA

See page 51 for full schedule.

## GENERAL SESSIONS

3:00 PM - 4:30 PM

**Artificial Intelligence in Cardiac Anesthesia: Are You Ready for the AI Wave?** 518ABC

Moderators: Michael Boisen, MD and Emily Mackay, DO, MS

*Overview of Artificial Intelligence for the Clinician: Threats and Opportunities*

Harikesh Subramanian, MD, MS, ABPM, CI, DABA

*Artificial Intelligence in Hemodynamic Monitoring and Management*

Tiffany Williams, MD, PhD

*Artificial Intelligence in Cardiovascular Ultrasound*

Kirsten Steffner, MD

*AI-assisted Preoperative Assessment and Optimization for Non-cardiac Surgery Among the Elderly Patients*

Yafen Liang, MD

**Optimizing RBC Mass Before Major Surgery: Increasing Patient Safety and Decreasing Blood Transfusions**



517A

Moderators: Himani Bhatt, DO, MPA, FASE and Jacob Raphael, MD, FAHA

*How Low Can You Go? Physiological Effects of Anemia and Its Impact on Outcomes After Cardiac and Thoracic Surgery*

C. David Mazer, MD

*Perioperative Anemia vs. RBC Transfusion: Is There a Lesser Evil?*

Jenny Kwak, MD

*Transfusion Targets: Restrictive vs. Liberal in Cardiac Surgery and Acute MI - Are We Asking the Right Question?*

Jacob Raphael, MD, FAHA

*How Do I Do It? The Evidence Supporting and the Logistics for Starting a Preoperative Anemia Service Before Surgery*

Seth Perelman, MD, FASA

*How Much Will It Cost? Perioperative Anemia Management and the Return on Investment*

Michael Eaton, MD

## RESEARCH/COR-PM

### COR PM/Research 2: The Shifting Landscape of Anesthesia Research

517C

Moderators: Shahzad Shaefi, MD, MPH and Jochen Steppan, MD, DESA, DABA, FAHA, FASA

*Maximizing Your Chance to Get NIH Funded*

Oluwaseun Akeju, MD, MMSc

*Beyond the NIH - Patient-Centered Outcomes Research Institute (PCORI) Grants*

Mark Bicket, MD, PhD, FASA

*Society and Industry Sponsored Research*

Anne Cherry, MD

*VA Funding*

Matthias Riess, MD, PhD, FASA

SATURDAY, APRIL 26  
SCIENTIFIC PROGRAM

## FELLOW/RESIDENT

4:00 PM - 5:00 PM

**Fellow and Resident Posters: Session 2 (Non-CME)**

516

See pages 74 - 80 for full schedule.

Saturday, April 26, 2025

4:30 PM - 6:30 PM

### SCA NETWORKING EVENT AND WELCOME RECEPTION WITH EXHIBITORS

Exhibit Hall - 517D



Saturday, April 26, 2025

7:00 PM

### SCA GALA (Ticketed Event)

St. James Theatre

## FELLOW/RESIDENT

5:00 PM - 6:30 PM

**"Getting to Know You"- Program Meet and Greet**

Exhibit Hall - 517D

REGISTRATION OPEN

Foyer

6:00 AM - 6:00 PM

PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST

6:45 AM - 8:00 AM

**PBLD #13: Fun Had with Fon-VADs: Perioperative Management of the Fontan Patient: Undergoing Durable VAD Placement** 522A

Moderators: David Preston, DO and Tiffany Williams, MD, PhD

**PBLD #14: Perfusion Emergencies** 522B

Moderators: Micheal Eaton, MD; Gurinder Gill, MD; and Jessica Spence, MD, PhD, FRCPC

**PBLD #15: Severe Right Ventricular Dysfunction After Cardiac Surgery: Everyone's Nightmare** 522C

Moderators: John Augoustides, MD, FASE, FAHA and Andrew Maslow, MD

**PBLD #16: VAD Emergencies** 525A

Moderators: Christina Jelly, MD, MS and Jenny Kwak, MD

**PBLD #17: High Risk OB: HOCM and the Laboring Parturient** 525B

Moderators: Caitlin Bradley, MD and Amanda Rhee, MD, MS

BREAKFAST WITH EXHIBITORS

Exhibit Hall - 517D

7:00 AM - 8:00 AM

PLENARY SESSION

8:00 AM - 9:00 AM

**Earl Wynands Lecture: Hemodynamically Unstable, Why?** 517A

Moderators: Jonathan Ho, MD, FASE and Tarit Saha, MD, FRCPC

Speaker: Andre Denault, MD, PhD

PLENARY SESSION

9:00 AM - 10:30 AM

**Save the Valve! How to Ensure Success and Durability of the Valve Repair** 517A



Moderators: Himani Bhatt, DO, MPA, FASE and Mariya Geube, MD, FASE

*Prediction of Successful Aortic Valve Repair by TEE - Things to Look For*  
Andrej Alfirevic, MD

*One Technique Does Not Fit All - What Are My Options for Aortic Valve Repair*  
Sheela Pai Cole, MD, FASE, FASA

*Prediction of Successful Mitral Valve Repair by TEE - Things to Look For*  
Stanton Shernan, MD, FAHA, FASE

*Resect or Respect - Choose Your Mitral Valve Repair*  
Eric Fried, MD

## WORKSHOPS

9:30 AM - 11:30 AM

### Tips and Tricks from the Editors: Anesthesia & Analgesia Reviewers Workshop

520BE

Workshop Moderator: Karsten Bartels, MD, PhD, MBA

Workshop Faculty: Karsten Bartels, MD, PhD, MBA; Anne Cherry, MD; Kimberly Howard-Quijano, MD, MS, FASE; Benedikt Preckel, MD, PhD, MA; Lisa Rong, MD, MSCE, FASE, FACC; and Nikolaos Skubas, MD, DSc, FACC, FASE

9:30 AM - 12:30 PM

### Structural Heart and Electrophysiology Workshop: Ensuring Success in the Lab

520AD

Workshop Moderators: Michael Boisen, MD and Julie Wyrobek, MD

Workshop Speakers: Diana Anca, MD; Michael Boisen, MD; and Charles Nyman, MBCh

Workshop Faculty: Andrew Disque, MD; Marco Julien, MD, FRCPC; Swanpril Khoche, MD; Megan Kostibas, MD; Laeben Lester, MD; Sankalp Sehgal, MD; Richard Sheu, MD, FASE; and Douglas Shook, MD, FASE

## COFFEE BREAK WITH EXHIBITORS

Exhibit Hall - 517D

10:30 AM - 11:00 AM

## GENERAL SESSIONS

11:00 AM - 12:30 PM

### Choosing Successful Strategies in Transplantation - Snapchat Talks

517C

Moderators: Jiapeng Huang, MD, PHD, FASA, FASE and Christina Jelly, MD, MS

*Preoperative Optimization of the Lung Transplant Patient*

Brett Wakefield, MD

*Too Many Options, Too Few Great Options - The Evolution of Pain Management in Lung*

Marta Kelava, MD

*Bridge to Heart Transplant From Mechanical Circulatory Support - Strategies and*

*Perioperative Implications*

Sreekanth Cheruku, MD, MPH, FASE, FCCM

*Donation After Circulatory Death: Methods and Outcomes*

Joshua Knight, MD, FASE

*Novelties in Liver Transplant?*

Chantal Mercier Laporte, MD, MEHP, FRCPC, FASE

Late-Breaking Concepts in Cardiac Anesthesiology:  
What's New in 2025?

MOCA 517A

Moderators: Peter Neuburger, MD, FASE and Nirvik Pal, MD

Management of Patients with Valvular Heart Disease: What's New in 2025?

Kiran Belani, MD, FASE, FACC

Postoperative Care in Cardiac Surgery: What's New in 2025?

John Augoustides, MD, FASE, FAHA

Patient Blood Management: What's New in 2025?

Nadia Hensley, MD

EACTAIC Presents: Discussion of Leadership

518ABC

Moderator: Chirojit Mukherjee, MD, PhD, FASE, MBA

Women in Leadership: The Challenges and Benefits

Andrea Szekely, MD, PhD, FESAIC

Can Leadership be Learnt? The Subtle Nuances

Chirojit Mukherjee, MD, PhD, FASE, MBA

Leadership in Medicine: A Different Ballgame

Massimiliano Meineri, MD

FELLOW/RESIDENT

11:00 AM - 12:00 PM

Fellow and Resident Posters: Session 3 (Non-CME)

516

See pages 81 - 88 for full schedule.

12:00 PM - 1:00 PM

"Best in Show" Complex Case Presentation (Non-CME)

519AB

See page 55 for full schedule.

RESEARCH/COR-PM

12:30 PM - 1:30 PM

Scientific Program: Poster Session 1 (Non-CME)

516

See pages 56 - 58 for full schedule.

LUNCH FOR ATTENDEES IN EXHIBIT HALL

Exhibit Hall - 517D

Non-CME Corporate Sponsored Symposium

517B

12:30 PM - 1:30 PM



## GENERAL SESSIONS

1:30 PM - 3:00 PM

### **An Individualized Approach to Enhanced Recovery After Cardiac Surgery**



517A

Moderators: Philip Kalarickal, MD, MPH and Samhati Mondal, MBBS, MD, FASE

*Fundamentals of Identifying High Risk Patients Undergoing Cardiac Surgery*

Michael Conrad Grant, MD

*Patient Reported Outcome Measures (PROM)*

Alexander Gregory, MD, FRCPC

*The Multidisciplinary Team: Improving Quality, Safety and Patient Satisfaction*

Emily Teeter, MD

*Ultra-Fast ERAS: Identifying Appropriate Candidates for Intraoperative Extubation*

Amit Bardia, MD

*Fluids, Vasopressors, Inotropes, Oh My! The Basics of Goal Directed Therapy*

Seema Deshpande, MBBS, FASA

### **SCA/STS Session: I've Got Noisy Ants in my Pants – The Cardiac Surgical Team** 517C

Moderators: James Abernathy, MD, MPH and Douglas Shook, MD, FASE

*Should We Be Stuck Together? Surgeon-Anesthesiologists' Diad and Outcomes*

Michael Mathis, MD

*"It's My Patient" – Surgeon as Team Leader*

Thoralf Sundt, MD

*I'm Tied In NOTS About POTS and ANTS: Non-technical Skills in the Cardiac Operating Room*

Allison Janda, MD

*Noise In the Operating Room – It's Music to My Ears (but Not Yours)*

Joyce Wahr, MD

SUNDAY, APRIL 27  
SCIENTIFIC PROGRAM

RESEARCH/COR-PM

1:30 PM - 3:00 PM

Our SCA Research Funding at Work: Grant Project Results, Impact, and Ongoing Work 518ABC

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

2021 MICoR Grant

Marta Kelava, MD

2020 Mid-Career Grant, 2016 Starter Grant

Michael Mazzeffi, MD, MPH, FASA

2018 Mid-Career Grant

Jochen Steppan, MD, DESA, DABA, FAHA, FASA

FELLOW/RESIDENT

1:30 PM - 4:30 PM

Keys to Success: A Crash Course of Critical ACA Concepts (Non-CME) 519AB

See page 55 for full schedule.

WORKSHOPS

2:30 PM - 5:30 PM

3D TEE Workshop 520AD

Workshop Moderators: Ankit Jain, MBBS, FASE, FASA, MBA and Choy Lewis, MD

Workshop Speakers: Federico Asch, MD, FACC, FASE; Kiran Belani, MD, FASE, FACC; and Charles Nyman, MBBS

Workshop Faculty: Andrej Alfirovic, MD; Marie-Eve Chamberland, MD; Abimbola Faloye, MD, FASE, FASA; Marco Julien, MD, FRCPC; Laeben Lester, MD and Sawyer Naze, MD

Professional Development Workshop: Achieving Success in Cardiac Anesthesia - Skill-building Workshop for Professional Development and Career Advancement, and Leadership 520BE

Workshop Moderators: Dalia Banks, MD; Sarah Smith, MD, MS; and Trevor Sutton, MD, MBA

Workshop Speakers: Lavinia Kolarczyk, MD; Sasha Shillcutt, MD, MS, FASE; and Madhav Swaminathan, MBBS, MD, MMCI

Workshop Faculty: Amanda Fox, MD, MPH; Jonathan Leff, MD; Emily Methangkool, MD, MPH; Danny Muehlschlegel, MD, MMSC, MBA; Daryl Oakes, MD; Peter Panzica, MD; Andrew Shaw, MB, FRCA, FRCPC; Stanton Shernan, MD, FAHA, FASE; and Christopher Troianos, MD, FASE, FASA

COFFEE BREAK WITH EXHIBITORS Exhibit Hall - 517D

3:00 PM - 3:30 PM

## GENERAL SESSIONS

3:30 PM - 5:30 PM

### Code Shock! Building a Cardiogenic Shock Team and Treatment Plan

517C

Moderators: Natalia Girardi, MD and Jochen Stepan, MD, DESA, DABA, FAHA, FASA

*The Role of Anesthesiologists and Intensivists on a Cardiogenic Shock Team*

Siavosh Saatee, MD

*The SCAI Is Not the Limit: Shock Stages and Treatment Strategies*

Marguerite Hoyler, MD

*Smooth Landings: How to Utilize Mechanical Circulatory Support to Transition From ECMO*

Michael Mazzeffi, MD, MPH, FASA

*ECMO to the Rescue or A Bridge Too Far?*

Ankur Srivastava, MD

### Dissecting the Coronary Artery Bypass Controversies



517A

Moderators: Mariya Geube, MD, FASE; Reed Harvey, MD; and Julie Wyrobek, MD

*Off-pump or On-pump? Review of the History of OPCAB and Its Current Use*

Reed Harvey, MD

*Total Arterial Revascularization - Reviewing Outcomes and Modern Trends*

Marta Kelava, MD

*The Dilemma of Concomitant Valvular Lesions in the CABG Patient*

Feroze Mahmood, MD, FASE

*Future Directions - Hybrid PCI/CABG, Intra-operative Flow Measurement, Synthetic Grafts and More*

Marc Ruel, MD, MPH, FRCSC, FCCS, FAHA, FACC

## RESEARCH/COR-PM

3:30 PM - 5:30 PM

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

518ABC

Moderators: Anne Cherry, MD; Stephanie Ibekwe, MD, MBA, MPH, MS; and Shahzad Shaefi, MD, MPH

See page 52 for session details.

## REGISTRATION OPEN

Foyer

6:00 AM - 6:00 PM

## PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST

6:45 AM - 8:00 AM

**PBLD #18: Lung Transplantation Management: Strategies, Tips, and Tricks** 522A

Moderators: Daryl Oakes, MD and Brett Wakefield, MD

**PBLD#19: Unexpected Intra Operative Echo Findings: When Your Exam Should Change the Surgical Plan (or Not)** 522B

Moderators: Kiran Belani, MD, FASE, FACC and Anne Cherry, MD

**PBLD #20: Navigating High Risk Structural Heart** 522C

Moderators: Diana Anca, MD and Sankalp Sehgal, MD

**PBLD #21: To Bleed or Not to Bleed: Assessing Blood Conservation Strategies in Cardiac Surgery Patients** 525A

Moderators: Emily Bergbower, MD, PhD and Prakash Patel, MD, FASE

**PBLD #22: Severe Pulmonary Hypertension and Non-cardiac Surgery** 525B

Moderators: Sinead Nyhan, MD and Jochen Steppan, MD, DESA, D.ABA, FAHA, FASA

## BREAKFAST WITH EXHIBITORS

Exhibit Hall - 517D

7:00 AM - 8:00 AM

## GENERAL SESSION

7:00 AM - 10:00 AM

**Live Case Discussion with the Montreal Heart Institute Team: Isolated Tricuspid Regurgitation - Complex Isolated Tricuspid REDO Surgery, New Challenges in 2025** 518ABC

Moderators: Himani Bhatt, DO, MPA, FASE; Rani Hasan, MD, MHS; Marco Julien, MD, FRCPC; and Jean-Sébastien Lebon, MD, FRCPC, BPharm

*Case Presentations: Tricuspid Regurgitation Undergoing Isolated TV Surgery (REDO) Tricuspid Regurgitation Undergoing T-TEER*

Marco Julien, MD, FRCPC and Jean-Sebastien Lebon, MD, FRCPC, BPharm

*MHI MICS and T-TEER Program Presentation*

Jean-Sebastien Lebon, MD, FRCPC, BPharm

*Heart Team Case Discussion - MICS TV Surgery VS T-TEER*

Denis Bouchard, MD, CM, MSc, FRCS

*T-TEER in 2025 - What Have We Learned?*

Mary Beth Brady, MD, FASE

*ICS TVR REDO: Monitoring and Preparation, New Challenges*

Marie-Eve Chamberland, MD

### *Endovascular Aortic Clamping – Clinical Use and TEE Positioning*

Regina Linganna, MD

### *Return of the Endovascular Coronary Sinus Catheter*

Jean-Sébastien Lebon, MD, FRCPC, BPharm

### *MICS TVR REDO: Endovascular Aortic Clamping, Endovascular VC Occlusion, Surgical Exposure*

Denis Bouchard, MD, CM, MSc, FRCS and Marie-Eve Chamberland, MD

### *What Role for the Cardiac Anesthesiologist in the Interventional Cardiology Team, Now and in the Future*

Burkhard Mackensen, MD, PhD, FASE, FSCAI

### *T-TEER – Live Case*

Louis-Philippe David, MD and Ralph Stephan von Bardeleben, MD

### *From the Hybrid Room: Management of TR – What's Next*

Marco Julien, MD, FRCPC

## PLENARY SESSION

8:00 AM - 10:00 AM

### Anti-coagulation and Hemostasis Challenges in Cardiac Surgery and ICU Patients 517A

Moderators: Reney Henderson, MD and Jacob Raphael, MD, FAHA

#### *Ticagrelor Yesterday, CABG Today, OK? Perioperative Management of Patients Who Require Urgent Surgery After Administration of Platelet Inhibitors*

Jenny Kwak, MD

#### *My Patient Took Apixaban. Should I Give Andexanet Alpha? Management of Patients on DOACs Who Require Emergent Cardiac Surgery*

Ashley Budd, MD

#### *Using Factor Concentrates to Treat Coagulopathic Bleeding After CPB: What Does the Evidence Show?*

Jacob Raphael, MD, FAHA

#### *My Patient Has HIT Antibodies: Diagnosis and Management of Heparin Induced Thrombocytopenia in the Context of Surgery and ICU Care*

Michael Mazzeffi, MD, MPH, FASA

#### *APLA, Heparin Resistance, Protamine Reactions and Other (anti) Coagulation Conundrums*

Kenichi Tanaka, MD, MSc

#### *Panel Discussion and Q&A*

C. David Mazer, MD and Linda Shore-Lesserson, MD, FAHA, FASE, FASA

WORKSHOP

9:30 AM - 12:30 PM  
**Advanced Perioperative POCUS Workshop** 520BE  
Workshop Moderators: McKenzie Hollon, MD, FASE and Agnieszka Trzcinka, MD, FASE  
Workshop Speakers: Megan Chacon, MD; Abirami Kumaresan, MD; and Nicholas Markin, MD, FASE  
Workshop Faculty: Bradley Coker, MD; Amy Duhachek-Stapelman, MD; Chantal Mercier Laporte, MD, MEHP, FRCPC, FASE; Jacques Prince Neelankavil, MD; Sheela Pai Cole, MD, FASE, FASA; and Walker Thomas, MHPTT, FASE, RDCS

COFFEE BREAK WITH EXHIBITORS Exhibit Hall - 517D  
10:00 AM - 10:30 AM

PLENARY SESSION

10:30 AM - 11:00 AM  
**ASA Update (Non-CME)** 517A  
Donald Arnold, MD, FACHE, FASA

11:00 AM - 12:00 PM  
**Keynote Address: The Importance of Physician Leadership for Today's Healthcare Challenges** 517A  
Moderator: Kathryn Glas, MD, MBA  
Speaker: Christopher Troianos, MD, FASE, FASA

12:00 PM - 12:30 PM  
**Business Meeting and Awards (Non-CME)** 517A

LUNCH FOR ATTENDEES IN EXHIBIT HALL Exhibit Hall - 517D  
Non-CME Corporate Sponsored Symposium 517B  
12:30 PM - 1:30 PM

## RESEARCH/COR-PM

12:30 PM - 1:30 PM

**Scientific Program: Poster Session 2**

516

*See pages 59-62 for session details.*

## GENERAL SESSIONS

1:30 PM - 3:30 PM

**Anatomy of a Lawsuit: What Every Cardiac Anesthesiologist Should Know**

517C

Moderators: Michael Mazzeffi, MD, MPH, FASA and Agnieszka Trzcinka, MD, FASE

*When Stakes are Very High: Why do Cardiac Anesthesiologists get Sued?*

John McNeil, MD

*When Facing a Lawsuit, Think Like a Lawyer*

Marissa McLean, JD, RN

*Bad Outcome Does NOT Necessarily Equal a Lawsuit!*

David Zvara, MD, FASA

*Facing Scrutiny During Lawsuit: How to Manage the Crisis for Faculty*

Daryl Oakes, MD

**Multidisciplinary Beginner Course in Structural Heart  
Echocardiography – Short, Sweet, and to the Point!**



517A

Moderators: Mary Beth Brady, MD, FASE and Richard Sheu, MD, FASE

*Left Atrial Appendage Closure Procedures – Tips, Tricks, Troubleshooting*

Reed Harvey, MD

*Interventional Echocardiography for Transcatheter Mitral Valve Repair*

Mary Beth Brady, MD, FASE

*Hear From Interventional Cardiology - How, Why, When They Need Our Guidance!*

Rani Hasan, MD, MHS

*Cases, Cases, Cases – A Multidisciplinary Panel Discussion of Real World, Common Challenges*

Charles Nyman, MBBCh

**The Voices of SCA Members: Fostering SCA as a Place to Belong and Grow**

518ABC

Moderators: Bantayehu Sileshi, MD and Trevor Sutton, MD, MBA

*My Journey at the SCA: A Perspective from a Researcher and Clinician Scientist*

Matthew Fischer, MD, MS

*My Journey at the SCA: A Perspective from A Female Cardiothoracic Anesthesiologist*

Seema Deshpande, MBBS, FASA

*My Journey at the SCA: A Perspective from A Foreign Medical Graduate and Cardiothoracic Anesthesiologist*

Samhati Mondal, MBBS, MD, FASE

*My Journey at the SCA: A Perspective from A Private Practice Cardiothoracic Anesthesiologist*

Trevor Sutton, MD, MBA

*SCA as a Home for ALL of Us: A Perspective from SCA Leadership Member*

Stanton Shernan, MD, FAHA, FASE

**COFFEE BREAK**

Foyer

**3:30 PM - 3:45 PM**

**3:45 PM - 5:45 PM**

**Adult Congenital Heart Disease: When You Are the Expert**



517A

Moderators: Tara Brakke, MD, FASE and Jessica Brodt, MBBS, FASA

*Unpacking Repaired and Palliated Congenital Heart Disease*

Alex Mittnacht, MD

*Wayfinding in ACHD Echo*

Annette Vegas, MD, FRCPC, FASE

*General Principles for Perioperative Care of ACHD Patients (Non-obstetric, Non-transplant)*

Tiffany Williams, MD PhD

*Obstetric Patients With Comorbid ACHD*

Ethan Jackson, MD

*ACHD for Transplants, with a Focus on Multi Organ Recipients*

Ingrid Moreno-Duarte, MD



## GENERAL SESSIONS

3:45 PM - 5:45 PM

### Navigating the Opioid Crisis in Cardiothoracic Surgery

518ABC

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

#### *Introduction*

Glenn Gravlee, MD

#### *History of Opioids and Cardiac Anesthesia*

Edward Lowenstein, MD

#### *Current Landscape of Opioid-based Analgesia in Cardiothoracic Surgery*

Benu Makkad, MD

#### *Evidence-based Approach to Perioperative Pain Management of Thoracic Surgical Patients*

Wanda Popescu, MD

#### *Evidence-based Approach to Perioperative Pain Management of Cardiac Surgical Patients*

Sibtain Anwar, MD

#### *Opioid Stewardship Initiatives and the Cardiothoracic Anesthesiologist*

Kimberly Hollander, MD

### Super Echo

524ABC

Moderators: McKenzie Hollon, MD, FASE and Kelly Ural, MD

Panelists: Promise Ariyo, MD, MPH; Amy Duhachek-Stapelman, MD; Jacques Prince Neelankavil, MD; and Charles Nyman, MBBCh

See page 51 for session details.

## RESEARCH/COR-PM

3:45 PM - 5:45 PM

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

517C

#### Session 2 (Non-CME)

Moderators: Anne Cherry, MD; Andra Duncan, MD, MS and Stephanie Ibekwe, MD, MBA, MPH, MS

See page 53 for session details.

REGISTRATION OPEN	Foyer
6:00 AM - 6:00 PM	

PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST	
6:45 AM - 8:00 AM	
PBLD #23: Sedation for High-risk Patients: The ABCs of Avoiding Disaster	522A
Moderators: Amy Duhachek-Stapelman, MD and Laeben Lester, MD	
PBLD #24: Complications in the ICU: Preventing Afib, Coagulopathy and AKI	522B
Moderators: Natalia Girardi, MD and Lee Goeddel, MD, MPH	
PBLD #25: Taking the Mystery Out of the Mitral Valve	522C
Moderators: Burkhard Mackensen, MD, PhD, FASE, FSCAI and Alina Nicoara, MD, FASE	
PBLD #26: Pulmonary Thromboendarterectomy Pearls and Pitfalls	525A
Moderators: Draginja Cvetkovic, MD and Swapnil Khoche, MD	
PBLD #27: My Patient Is on ECMO, Now What? Ask the Experts	525B
Moderators: Ashley Budd, MD and Jacob Gutsche, MD	

BREAKFAST WITH EXHIBITORS	517D
7:00 AM - 8:00 AM	

GENERAL SESSIONS	
8:00 AM - 10:00 AM	
Live Case Discussion with the Montreal Heart Institute Team: Advanced Surgery for Aortic Valve Insufficiency	524ABC
Moderators: Himani Bhatt, DO, MPA, FASE and Marie-Eve Chamberland, MD	
Case Presentation: Isolated Aortic Insufficiency	
Marie-Eve Chamberland, MD	
Intraoperative TEE Evaluation for Aortic Valve Repair	
Maria Rosal Martins, MD	
Intraoperative Surgical Valve Analysis with Focus on Mechanisms of Insufficiency	
Philippe Demers, MD, MSc, FRCSC	
TEE Assessment of the Aortic Valve & Root: What Every Repair Surgeon and Echo Anesthesiologist Needs to Know	
Adam Dryden, MD, MSc, FRCPC	
Unrepairable Valves – The Ross Procedure as An Alternative in Young Patients?	
Munir Boodhwani, MD, MMSc and Marie-Eve Chamberland, MD	
Perioperative TEE Findings Compatible with a Long Term Competent Aortic Valve Repair	
Jared Feinman, MD, FASE	

*"The Valve Leaks" – Should We Go Back on Pump to Repair/Replace the Valve: Panel Discussion with Surgeons and Anesthesiologists*

Marie-Eve Chamberland, MD

*Surgical Results from the OR*

Philippe Demers, MD, MSc, FRCSC, Georges Desjardins, MD and Maria Rosal Martins, MD

**The Forgotten Ventricle and the Downward Spiral: How to Salvage?**

517C

Moderators: Dalia Banks, MD and Reed Harvey, MD

*Echocardiographic Assessment of RV*

Alina Nicoara, MD, FASE

*Right Ventricular Dysfunction Following Cardiac Surgery: Pharmacologic Strategies to Salvage the Right Ventricle*

Andre Denault, MD, PhD

*Managing the Failing Right Heart in the Critical Care Arena*

Andra Duncan, MD, MS

*Anesthesia for Pulmonary Thromboendarterectomy*

Swapnil Khoche, MD

**The Times, They Are a Changin': Hot Topics in ACTA/Anesthesiology Education** 518ABC

Moderators: Jennifer Hargrave, DO and Sarah Smith, MD, MS

*Time vs. Ability – Are we Ready to Embrace Milestone Competencies in our Training Programs?*

Annemarie Thompson, MD

*"Please Sir, May I Have Some More?" Providing the Feedback Our Trainees Truly Need and Want*

Benjamin Salter, DO

*Echo Education: Have We Stalled as Educators, Is It Time for Increased Standardization and What Is New on the Horizon?*

Kimberly Howard-Quijano, MD, MS, FASE

*The Compromised Trainee: Recognition, Process and Moving Forward*

Kelly Ural, MD

**WORKSHOP**

9:00 AM - 12:00 PM

**3D TEE Workshop**

520AD

Workshop Moderators: Ankit Jain, MBBS, FASE, FASA, MBA and Choy Lewis, MD

Workshop Speakers: Federico Asch, MD, FACC, FASE; Kiran Belani, MD, FASE, FACC; and Charles Nyman, MBChB

Workshop Faculty: Abimbola Faloye, MD, FASE, FASA; Marco Julien, MD, FRCPC; Joseph Kamassai, MD; Laeben Lester, MD; Sawyer Naze, MD; Aidan Sharkey, MD; and Brett Wakefield, MD

COFFEE BREAK WITH EXHIBITORS

Exhibit Hall - 517D

10:00 AM - 10:30 AM

GENERAL SESSIONS

10:30 AM - 12:00 PM

**Acute Kidney Injury – Predict, Avoid, Manage, and Treat**



Moderators: Amanda Fox, MD, MPH and Philip Kalarickal, MD MPH

*AKI - A Rationale Approach to Preoperative Evaluation - What Says the Science?*

David McIlroy, MBBS, MD, MClinEpi

*Can CBP Play Nice with the Kidney? Intraoperative Strategies for Kidney Protection During CPB*

Jacob Raphael, MD, FAHA

*Caring for the Kidney in the ICU*

Lee Goeddel, MD, MPH

*AKI Biomarkers: Should They be Used Routinely in Daily Clinical Practice?*

Amanda Kleiman, MD

**How to Create a Quality Improvement Program that Sticks**

518ABC

Moderators: Samhati Mondal, MBBS, MD, FASE; Amanda Rhee, MD, MS; and Kenichi Tanaka, MD, MSc

*Process Improvement Methodologies*

Lida Shaygan, DO

*Process Improvement Tools and Their Application*

Amanda Rhee, MD, MS

*Change Management: How to Generate Buy-in*

Miklos Kertai, MD, MMHC, PhD

*Quality Initiative Pitfalls and Solutions*

James Abernathy, MD, MPH

LUNCH ON YOUR OWN

12:00 PM - 1:00 PM

RESEARCH/COR-PM

12:00 PM - 1:00 PM

**Scientific Program: Poster Session 3 (Non-CME)**

516

See pages 63 - 65 for session details.

## GENERAL SESSIONS

1:00 PM - 2:30 PM

### Keeping Up with The EP Lab

517C

Moderators: Dalia Banks, MD and Agnieszka Trzcinka, MD, FASE

*Catheter-Based Ablations: What's New and What do I Need to Know as an Anesthesiologist?*  
Sankalp Sehgal, MD

*Evolving Needs in EP: Expanding Services, Practice Management, and Emergency Preparedness*  
Diana Anca, MD

*Cardiac Implantable Electronic Devices (CIED), Wired and Ready!*  
Andrew Disque, MD

*Pearls of Wisdom for Lead Extraction: Risk Stratification, Anesthetic Consideration and Averting Disasters*  
Swapnil Khoche, MD

### Navigating the Evolving Financial Terrain: Impacts of Legislative Changes and Strategies for Adding Value in Cardiac Anesthesiology

518ABC

Moderators: Stephanie Ibekwe, MD, MBA, MPH, MS and Matthew Klopman, MD, MBA, FASA, FASE

*Has "No Surprise Billing" Affected Anesthesiology? -- Three Years Later, An Update*  
Amanda Rhee, MD, MS

*QI - Improving Value by Improving Quality*  
Christopher Troianos, MD, FASE, FASA

*Role of Value-Added Care by Cardiothoracic Anesthesiology and Impact on Outcomes After Cardiac Surgery*  
Promise Ariyo, MD, MPH

*Can They Do That? - Why CPT Codes May Change Your Practice*  
Gordon Morewood, MD, MBA, FASE, FASA

### TAS for SCA: Sticky Points in Thoracic Anesthesia



524ABC

Moderator: Rebecca Klinger, MD, MS

*I Want to Echo, but When Is It Useful in Thoracic Surgery?*  
Angela Pollak, MD

*ECMO to the Rescue*  
Amanda Kleiman, MD

*New Procedures in Thoracic Surgery*  
Alessia Pedoto, MD, FASA

## GENERAL SESSIONS

2:30 PM - 4:00 PM

### **Aortic Disasters and Rescues**

MOCA® 524ABC

Moderators: Mariya Geube, MD, FASE and Ankit Jain, MBBS, FASE, FASA, MBA

*Dissection Dilemmas: Challenging Decisions at the Bedside*

Natalia Girardi, MD

*Aortic Emergencies in the Pregnant Patient*

Amanda Rhee, MD, MS

*Is Total Arch Replacement Worth the Time or Time-consuming in Aortic Dissection?*

Shiva Sale, MD

*Best Practices in Neuroprotection During Hypothermic Circulatory Arrest*

Joshua Knight, MD, FASE

### **What's the Latest in ECMO and ECLS?**

517C

Moderators: Christina Jelly, MD, MS and Michael Mazzeffi, MD, MPH, FASA

*Bivalirudin vs. Heparin vs. No Anticoagulation for ECMO - Where Are We Now?*

Marguerite Hoyler, MD

*LV Unloading Strategies for Peripheral VA ECMO - Is There a Best Strategy?*

Siavosh Saatee, MD

*ECPR - Exploration of Recent Clinical Trial Data*

Jai Madhok, MD

*Anesthesiologist Led ECMO Service - What Could the Future Look Like*

Jerome Crowley, MD, MPH

## PLENARY SESSION

4:00 PM - 5:30 PM

### **Echocardiographic Extravaganza: Things You Should Know but Might Not!**

517A

Moderators: Mary Beth Brady, MD, FASE and Jennifer Hargrave, DO

*Mitral Valve Regurgitation - Repair? Replace? Reconsider for Transcatheter Options?*

Douglas Shook, MD, FASE

*Tricuspid Trivia - A Review of Tricuspid Regurgitation Management*

Nicholas Markin, MD, FASE

*That Pesky Left Atrium - Smoke? Sludge? True clot? And How to Tell the Difference*

Reed Harvey, MD

*Aortic Valve Stenosis - What to Say When the Numbers Don't Add Up*

Annette Vegas, MD, FRCPC, FASE

**CLOSING WINE AND CHEESE RECEPTION**

5:30 PM - 6:15 PM

Foyer



## Late-breaking Research Session (Non-CME)

**Saturday, April 26**

**2:30 PM - 3:00 PM**

Moderator: Jochen Steppan, MD

*Direct Reinfusion of Unwashed Shed Autologous Blood During Thoracoabdominal Aortic Aneurysm Repair: A Retrospective Analysis*

Thomas Powell, MD

*Potassium Supplementation and Prevention of Atrial Fibrillation After Cardiac Surgery - The TIGHT K Randomized Clinical Trial*

Benjamin O'Brien, MD, PhD

## Super Echo (Non-CME)

**Monday, April 28**

**3:45 PM - 5:45 PM**

Moderators: McKenzie Hollon, MD, FASE and Kelly Ural, MD

Panelists: Promise Ariyo, MD, MPH; Amy Duhachek-Stapelman, MD; Jacques Prince Neelankavil, MD and Charles Nyman, MBCh

*Evolving Technologies in Echocardiography*

Ansel Jhaveri, MD; Aidan Sharkey, MD; and Feroze-Ud-Din Mahmood, MD

*Big MAC with a Side of Clips: A Therapeutic Option for Severe Mitral Regurgitation in the Setting of Severe Mitral Annular Calcification*

Christopher J. Kim, MD; David Benavides Zora, MD; Feroze-Ud-Din Mahmood, MD; and Aidan Sharkey, MD

*The Critical Role of Echocardiography in the Intraoperative Management of a Ruptured Sinus of Valsalva Aneurysm: A Case Report*

William Kang, MD and Ali Khalifa, MD

*Left Ventricular Outlet with Two Aortic Valves: How a Shifting Valve Shifted the Surgical Risk*

Joshua D. Dewalt, MD; Michael S. Massey, MD; Crystal McCabe, MD; and Ezeldeen Abuelkasem, MD, MSC, FASE

*Spontaneous Closure of Perimembranous Ventricular Septal Defect by Tricuspid Valve Leaflet*

Andrea Rivero, DO; Blake D. Winston, DO; James Phillips, MD; Alina Nicoara, MD; Sundar Krishnan, MD; and Yasmin Maisonave, MD

*Left Ventricular Pseudoaneurysm After Atrioventricular Groove Disruption*

Brian J. Kinsman, MD, PhD; Elizabeth R. Hall, MD; and Shu (Denis) Lu, MD

# BEST OF MEETING ORAL ABSTRACTS

## Best of Meeting Oral Abstracts and Early Career Investigator Awards: Session 1 (Non-CME)

**Sunday, April 27**

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

**Moderators:** Anne D. Cherry, MD, FASE, Stephanie Ibekwe, MD, MBA, MPH, MS and Shahzad Shaefi, MD, MPH

### Early Career Investigator Award

*Go with the (Optical) Flow: A Novel Method for the Echocardiographic Quantification of Right Ventricular Function Using an Explainable Deep-learning Assisted Approach*  
Nicolas Quach, MD and Kirsten Steffner, MD

### Early Career Investigator Award

*Systemic Inflammation and Metabolic Dysregulation After Cardiac Surgery: A Pathway to Delirium in the Cognitively Vulnerable Patient*  
Kwame Wiredu, MD, PhD; Tina McKay, PhD; Jason Qu, MD and Oluwaseun Akeju, MD, MMSc

### Early Career Investigator Award

*Advocating for Healthcare Policy Reform: Addressing Reimbursement Gaps for Rescue TEEs Performed by Cardiovascular Anesthesiologists*  
Serena Dasani, MD, MBA; Gavin Ovsak, MD, MBA; Rosemary Kelley, MD; Sergey Karamnov, MD and Douglas Shook, MD

### Best of Meeting

*Beat to Beat Assessment of Right Ventricular Function Using Pressure-volume Relationships Derived from a Pressure-only Model: Implications for Bedside Monitoring*  
Paul Heerdt, MD, PhD; Felix Glocker, MS; and Akhilesh Sista, MD

### Best of Meeting

*Latent Subtypes of Cardiac Surgery-Associated Chronic Kidney Disease Progression: A Multicenter Machine Learning Study of Granular Perioperative Features*  
Erik Roberts, MD, PhD; Jie Cao, PhD, MPH, MA; Emily Balczewski, PhD; Allison Janda, MD; and Michael Mathis, MD

### Best of Meeting

*Association of Congestive Heart Failure and Post-Operative Atrial Fibrillation: A Hidden Culprit in Cardiac Surgery Outcomes*  
Kate Frost, MD; Samuel Justice, PhD; CHIA Consortium; Simon Body, MD, MPH; Danny Muehlschlegel, MD, MMSc, MBA; and Sergey Karamnov, MD

### Best of Meeting

*Transcutaneous Vagal Nerve Stimulation for Postoperative Atrial Fibrillation in Cardiac Surgery Patients (STOP-AF): A Pilot Study*  
Inkyung Song, MD, PhD; Marmar Vaseghi, MD; Maryam Emamimeybodi, MD; Reed Harvey, MD; Matthew Fischer, MD, MS; Joseph Meltzer, MD; Jacques Prince Neelankavil, MD; Stavros Stavrakis, MD, PhD; and Jonathan Ho, MD, FASE

### Best of Meeting

*Preoperative Pulmonary Artery Pulsatility Index Is Associated With Acute Kidney Injury After Bilateral Lung Transplantation*  
Jason N. Batten, MD, MA; Reed Harvey, MD; Jacques Prince Neelankavil, MD; Tiffany Williams, MD, PhD; and Louis Saddic, MD PhD

### Best of Meeting

*Intraoperative Anti-hypertensive Infusion Practice Patterns in Cardiac Surgery*  
Allison M. Janda, MD; Courtney Burns, BSE; Graciela Mentz, PhD; Siyu Ma, PhD; Anthony Compton, PharmD; Douglas Colquhoun, MB ChB, MPH, MSc; Edwin Avery, MD; Hijrah El-Sabae, PharmD; and Michael Mathis, MD

### Best of Meeting

*Risk Prediction of Acute Kidney Injury in Elective Cardiac Surgery*  
Blake Winston, DO; Yi-Ju Li, PhD; Negmeldeen Mamoun, MD, PhD; Anne Cherry, MD, FASE; and Michael Manning, MD, PhD

### Best of Meeting

*Mitral Annular Override as a Predictor of Systolic Anterior Motion After Mitral Valve Repair*  
Mike Yamakawa, MD; Lauren Cornella, MD; Andrew Snavelly, MD and David Stein, PhD, MS



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

### Session 2 (Non-CME)

Monday, April 28

3:45 PM - 5:45 PM

**Moderators:** Anne Cherry, MD, FASE; Andra Duncan, MD, MS, FASE and Stephanie Ibekwe, MD, MBA, MPH, MS

#### Early Career Investigator Award

*A Novel Method for Real-time Measurement and Clinical Application of Mean Systemic Filling Pressure in the Cardiac ICU*

Benjamin Steinhorn, MD, PhD; Aaron Aguirre, MD, PhD and Raimon Padros I Valls, MS

#### Early Career Investigator Award

*Pre-Transplant Blood Transfusion and Outcomes in Lung Transplant Recipients*

Anjan Saha, DO; Claire Ann Joseph, DO; Jonathan Leff, MD; Ibraheem Karaye, MD, DrPH; Yitzchak Dayan, MD; Yair Miller, MD and Stephen Forest, MD

#### Early Career Investigator Award

*Right Ventricular Pressure-Strain Loop-Derived Global Myocardial Work in Patients Undergoing Left Ventricular Assist Device Implantation*

Sherman Yu, MD; Mary Cooter Wright, MS; Alina Nicoara, MD; Anne Cherry, MD, FASE; Crosby Culp, MD and Katherine Sun, MD

#### Best of Meeting

*Preoperative Iron Deficiency Anemia is Associated with Increased Postoperative Atrial Fibrillation Following Cardiac Surgery*

Una Choi, MD; Domagoj Mladinov, MD; David Hepner, MD, MPH; Jean Connors, MD and Nadia Hensley, MD

#### Best of Meeting

*Thoracic Epidural Placement in Heavily Sedated and Intubated Patients Status Post Lung Transplant*

Matthew Stiles, MD; Negmeldeen Mamoun, MD, PhD; Mary Cooter Wright, MS; Omar Al-Qudsi, MD and Brandi Bottiger, MD

#### Best of Meeting

*Increased Mobility and New Atrial Fibrillation after Cardiac Surgery*

Sreekanth R. Cheruku, MD, MPH and Amanda Fox, MD, MPH

#### Best of Meeting

*Outcomes and Early Predictors of Mechanical Circulatory Support During Single Lung Transplant for Secondary Pulmonary Hypertension: A Large Single-Center Experience*

Sean Baskin, DO; Danielle Alexis Pulton, MD; Dhruv Vasant, MD; Hiromu Kehara, MD, PhD and Sankalp Sehgal, MD

#### Best of Meeting

*Diagnostic Performance of Pressure Gradients in Assessing Membrane Health During ECMO*

Jonathon Schwartz, MD; Giancarlo Sabetta; Erin Morrisroe; Jonathan Aminov; Saleem Zaidi, MD and Wei Yin, PhD

#### Best of Meeting

*Intrathecal Morphine in Open Thoracoabdominal Aortic Aneurysm Repair*

Yu-Hua K. Cheng, MD; Quan-Tao Chen, MD; Yun-Fei Han, MD; Wei-Guo Ma, MD, PhD and Wei-Qin Huang, MD

#### Best of Meeting

*Timing Matters: COVID-19's Impact on CABG Outcomes Based on Infection Timing and Pandemic Phase*

Henry Hoang; Danielle Nogoy, MD; Imran Sharaf, MD; Bilal Tufail, MD; Felix Borngaesser, MD; Ibraheem M. Karaye, MD, DrPH; Erik Romanelli, MD and Jonathan Leff, MD

#### Best of Meeting

*Distinct microRNA Signatures in Patients Developing Acute Atrial Fibrillation after Coronary Artery Bypass Surgery: New Insights*

Adil A. Manji, MD; Paul Ambarus, MD; Usman Ahmed, MD; Juan Valencia, MD; Huma S. Hussain, MD; Yifan Bu, MD; Feroze-Ud-Din Mahmood, MD; Kamal Khabbaz, MD; Robina Matyal, MD and Mark Robitaille, MD

## **Fellow and Resident: Poster Session 1 (Non-CME)**

**Saturday, April 26**

**11:00 AM - 12:00 PM**

*See pages 66 -73 for full schedule.*

## **Mission Possible—Guidance for the Next Chapter (Non-CME)**

**Saturday, April 26**

**1:00 PM - 2:00 PM**

## **Echo Essentials Masterclass (Non-CME)**

**Saturday, April 26**

**2:00 PM - 3:30 PM**

Moderators: Brandi Bottiger, MD and Jennifer Hargrave, DO

*To the Left to the Left, To the Right to the Right: Echocardiography Guidance of Micro Axial*  
Emily MacKay, DO, MS

*Is Two Really Better Than One?: Combined Aortic and Mitral Regurgitation and*  
*Echocardiography Assessment Challenges*

Perin Kothari, MD

*Like Pushing Against a Brick Wall: Right Ventricular Dysfunction and Pulmonary Hypertension*  
Alice Whyte, MD

## **Fellow and Resident: Poster Session 2 (Non-CME)**

**Saturday, April 26**

**4:00 PM - 5:00 PM**

*See pages 74-80 for full schedule.*

## **"Getting to Know You"- Program Meet and Greet (Non-CME)**

**Saturday, April 26**

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

Moderators: Brandi Bottiger, MD and Jennifer Hargrave, DO

## **Fellow and Resident: Poster Session 3 (Non-CME)**

**Sunday, April 27**

**11:00 AM - 12:00 PM**

*See pages 81-88 for full schedule.*

## **"Best in Show" Complex Case Presentation (Non-CME)**

**Sunday, April 27**

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

Moderators: Brandi Bottiger, MD and Jennifer Hargrave, DO

Panelists: Susan Eagle, MD; Jacques Prince Neelankavil, MD; and Annemarie Thompson, MD

*Case Series: Left Ventricle Microaxial Pump Support for Ventricular Septal Defect with Cardiogenic Shock*

Richard Chen, MD; Satoshi Hanada, MD; Andrew Feider, MD and Aric Aldrich, MD

*Awake Mitraclip In Patient With Prior Blalock-Taussig-Thomas Shunt and Lateral Caval Fontan*

Abby Lawson, MD and Joshua Roach, MD

*Left Atrial Appendage Inversion After LVAD Placement*

Alexander McRae and Gloria Rodriguez, MD

*Anesthetic Management of First BiVACOR Recipient: Total Artificial Heart of the Future*

Alexandra Waits, MD and Thomas Powell, MD

*Heart-After-Liver Transplant to Circumvent High Panel Reactive Antigens Requiring Quadruple Cannulation Extracorporeal Membrane Oxygenation Converted to Cardiopulmonary Bypass*

Lai Jiang, MD; Niki Dietz, MD; Suraj Yalamuri, MD and Marissa Kauss, MD

## **Keys to Success: A Crash Course of Critical ACA Concepts (Non-CME)**

**Sunday, April 27**

**1:30 PM - 4:30 PM**

Moderators: Brandi Bottiger, MD and Jennifer Hargrave, DO

*Hypothermic Circulatory Arrest*

Hesham Ezz, MD

*Perioperative Anticoagulation Management*

Jerrold Levy, MD

*Best Practices for Cardiopulmonary Bypass*

Ashley Budd, MD

*Cardiac Devices—Indications, Contraindications and When Should You Cancel?*

Nathan Waldron, MD, MHS

*The Adult Congenital Heart Disease Patient: Challenges and Best Practices During Challenging Scenarios*

Kan Zhang, MD

*A Deep Dive Into Waves: Intracardiac Monitoring Essentials*

Luai Zakaria, MD

# SCIENTIFIC PROGRAM

## Poster 1 ■ Sunday, April 27 ■ 12:30pm-1:30pm

### KIOSK 1 ■ BASIC SCIENCE

Moderator: **Matthias Riess, MD, PhD, FASA**

Poster 1	<b>Sophie Higgins, MD</b>	Heparin and Protamine Ratios for Full Heparin Reversal in Large Academic Center
Poster 2	<b>Akiko Kawakami, MD, PhD</b>	Inhibitory Effect of Intranasal Insulin Administration on Hippocampal Infiltration of Activated Microglia in a Rat Model of Extracorporeal Circulation: A Pilot Study
Poster 3	<b>Emily Look, CCP, LP</b>	Temperature Recovery in the ICU Following Circulatory Arrest Cases in Academic Hospital

### KIOSK 2 ■ CARDIOVASCULAR ANESTHESIA TRANSPLANT

Moderator: **Ali Salehi, MD FASA**

Poster 1	<b>Yoshio Tatsuoka, MD</b>	Intraoperative Albumin Use and Primary Graft Dysfunction in Lung Transplantation
Poster 2	<b>Joseph Williams, MD</b>	Effect of Fibrinogen Concentrate vs Cryoprecipitate in Orthotopic Heart Transplant
Poster 3	<b>Thomas Bunning, MD</b>	Intraoperative Mannitol During Lung Transplantation is Not Associated with Primary Graft Dysfunction or Acute Kidney Injury
Poster 4	<b>Robert Sutter, MD</b>	Transesophageal Echocardiography and Dysphagia in Lung Transplantation

### KIOSK 3 ■ CARDIOVASCULAR ANESTHESIA- AORTIC SURGERY/MISC

Moderator: **Hong Liang, DO**

Poster 1	<b>Nicolas Kumar, MD</b>	Entrapment of Pulmonary Artery Catheters in Cardiac Surgery: A Systematic Review of Case Reports and Series
Poster 2	<b>Sean Randazzo, MD</b>	Increased Dependence On Albumin Fluid Resuscitation In Cardiac Surgery During Intravenous Fluid Shortage
Poster 3	<b>Eric Do, MD</b>	Predictors of Bowel Ischemia after Cardiac Surgery
Poster 4	<b>Joshua Purvis, MD</b>	Pulmonary Artery-to-Body Surface Area Ratio Does Not Predict Worse Postoperative Outcomes in Patients with Acute Type A Aortic Dissections
Poster 5	<b>Ahsan Omer, BS</b>	Leiomyomatosis Peritonealis Disseminata with Intracardiac Mass: A Case Report
Poster 6	<b>William Cates, DO</b>	Complications Following Lumbar Drain Placement in Patients with Connective Tissue Disease Undergoing Endovascular or Open Repair of Thoracic and Thoracoabdominal Aortic Pathologies

### KIOSK 4 ■ CARDIOVASCULAR ANESTHESIA- PRACTICE MGMT/MISC

Moderator: **Matthew A. Fischer, MD, MS**

Poster 1	<b>Jennifer Nam, MD, MBA</b>	Race Deepens Sex Differences in the Age of Presentation for Thoracic Aortic Dissections
Poster 2	<b>Megan Chung, BA</b>	Analyzing Demographic Representation in Cardiothoracic Anesthesiology and Thoracic Surgery through Text-to-Image Generators
Poster 3	<b>Kevin Merola, MD</b>	Achieving Optimal Thermal Softening of Double Lumen Tubes to Decrease Risk of Airway Injury

# SCIENTIFIC PROGRAM

## Poster 1 • Sunday, April 27 • 12:30pm-1:30pm

### KIOSK 5 • CASE REPORTS

Moderator: **Alessia Pedoto, MD, FASA**

Poster 1	<b>Brian Barron, MD</b>	Successful Placement of a Thoracic Epidural in a Patient with a Spinal Cord Stimulator
Poster 2	<b>Evelyn Borchert Billik, MD</b>	Low-Flow Nasal Mask-Face Tent Maintained Spontaneous CPAP Ventilation/Oxygenation and Reduced Aerosol/Droplet Spread in a Patient with IV Drug Use during Outpatient TEE under Deep Propofol Sedation
Poster 3	<b>Tadeu Oliveira, BS</b>	Pulmonic Valve Papillary Fibroelastoma Discovery During Ascending Aortic Aneurysm Repair: A Case Report
Poster 4	<b>Travis Blanton, MD</b>	Iatrogenic Superior Vena Cava Syndrome During Cardiopulmonary Bypass Presenting with Bilateral Otorrhagia and Epistaxis, Resulting in Anterior Ischemic Optic Neuropathy
Poster 5	<b>Cole Rinehart, MD</b>	Perioperative Management of Aneurysmal Kommerell's Diverticulum with Right Sided Aortic Arch and Aberrant Left Subclavian Artery, A Case Series
Poster 6	<b>Sunny Kim, MD</b>	Cardiac Tamponade with Thrombus Secondary to Left Ventricular Free Wall Rupture
Poster 7	<b>Christian Guay, MD</b>	A New Method to Quantitatively Track the Shunt Fraction of Isolated Ventricular Septal Defects Using Blood Gas Analysis

### KIOSK 6 • COAGULATION

Moderator: **Diana Khatib, MD**

Poster 1	<b>Yu-Hua Cheng, MD</b>	How Does Rewarming Temperature Affect Bleeding after Mitral Valve Surgery?
Poster 2	<b>Natalie Lebedko, MD</b>	Dabigatran and Rivaroxaban are not Inferior to Heparin in Decreasing Clot Propagation and Clot Strength
Poster 3	<b>Jay Saggu, DMD, MD</b>	Optical Thromboelastography: A Novel Solution to An Age Old Problem
Poster 4	<b>Michael Eaton, MD</b>	Dabigatran Provides Effective, Reversible Anticoagulation in a Sheep Model of Cardiopulmonary Bypass
Poster 5	<b>Azhar Dalal, MD</b>	Increased Incidence of Thrombosis in Patients at Risk of HIT Receiving Epoprostenol for Cardiac Surgery
Poster 6	<b>Ahmed Galal Elsherbeny, MBBCh, MSc, MD, FCAI</b>	The Myth of Additional Protamine. Thromboelastometry vs Activated Clotting Time to Detect Residual Heparin After Reversal

### KIOSK 7 • CRITICAL CARE

Moderator: **Ettore Crimi, MD, MBA**

Poster 1	<b>Alexandra Vereb, MD</b>	The Effects of Sodium-Glucose Cotransporter-2 Inhibitors on the Perioperative Period of Adult Heart Transplant Patients
Poster 2	<b>Frans van Wagenberg, MS, MD</b>	Clinical and Economic Impact of RBT-1 on Post-operative Complications and Costs for Combined CABG and Valve Surgery
Poster 3	<b>Catherine Ha, MD</b>	Association of Neutrophil Gelatinase-Associated Lipocalin and Acute Kidney Injury in the Early Postoperative Period After Lung Transplantation
Poster 4	<b>Ethan Lubanski, MD</b>	Angiotensin II for Post Cardiac Surgery Vasoplegic Syndrome: A Retrospective Cohort Analysis
Poster 5	<b>Shaopeng Huang, MD</b>	Effects of Dexmedetomidine on Duration of Invasive Mechanical Ventilation After Coronary Versus Valvular Heart Surgery

# SCIENTIFIC PROGRAM

## Poster 1 • Sunday, April 27 • 12:30pm-1:30pm

### KIOSK 8 • ECHOCARDIOGRAPHY- STRAIN/ETC.

Moderator: **Ethan Y. Brovman, MD**

Poster 1	<b>Balram Sharma, MD, FASA</b>	Evaluation of Intraoperative Echocardiographic Strain Parameters in Patients Undergoing Ross Procedure
Poster 2	<b>Benjamin Weingarten, MD</b>	The Role of Resuscitative Perioperative Transesophageal Echocardiography in Intraoperative Cardiac Arrest: A Case Report
Poster 3	<b>Sadi Abukhalaf, MD</b>	Does Positive Pressure Ventilation Have an Effect on Left Ventricular Late Diastolic Strain Rate?
Poster 4	<b>Michael Dougherty, DO</b>	Comparison of Right Ventricular Function Between Full Sternotomy Aortic Valve Replacement, Mini-Sternotomy Aortic Valve Replacement, and Transcatheter Aortic Valve Replacement.

### KIOSK 9 • PERIOPERATIVE MEDICINE - PBM

Moderator: **Rohesh J. Fernando, MD, FASE, FASA**

Poster 1	<b>Una Choi, MD</b>	Acute Kidney Injury as a Risk Factor for Iron Deficiency Anemia Following Cardiopulmonary Bypass
Poster 2	<b>Scott Jossart, MD</b>	Racial and Gender Differences in the Incidence of Preoperative Anemia and Blood Transfusion in Cardiac Surgery Patients: A Descriptive Study
Poster 3	<b>Helen Jiang, BMSc, MSc</b>	Why are Women and Men Transfused Differently in the Operating Room?
Poster 4	<b>Helen Jiang, BMSc, MSc</b>	Preoperative Anemia: Impacts on Red Blood Cell Transfusion and Clinical Outcomes for Men and Women Undergoing Cardiac Surgery
Poster 5	<b>Una Choi, MD</b>	Perioperative Cryoprecipitate but not Fibrinogen Concentrate is Associated with Increased Postoperative Delirium Risk After Cardiac Surgery
Poster 6	<b>Monica Arndt, MD</b>	Risk Factors for Blood Product Transfusion in Cardiothoracic Surgery

### KIOSK 10 • STRUCTURAL HEART DISEASE

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

Poster 1	<b>Matthias Heringlake, MD</b>	How Conscious are Patients Undergoing Transcatheter Aortic Valve Replacement with "Conscious Sedation and Local Anesthesia" – A Secondary Exploratory Analysis of the Randomized SOLVE-TAVI Trial
Poster 2	<b>William Wright, MD</b>	Association of Baseline Pulmonary Artery-to-Body Surface Area Ratio with Postoperative Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement
Poster 3	<b>Amy Baker, MS</b>	Effect of Body Mass Index on Early Extubation of Adults with Congenital Heart Disease Undergoing Cardiac Surgery
Poster 4	<b>Ashton Engdahl, MD</b>	Increased Mortality Trend in Adult Congenital Heart Disease Patients Undergoing Combined Heart and Liver Transplantations in the Current Era: UNOS Database Analysis 2005-2022
Poster 5	<b>Patrick Monette, MD</b>	Outcomes for Patients with COVID-19 Having Mitral Valve Surgery During the First Year of the COVID-19 Pandemic: An Observational Cohort Study

# SCIENTIFIC PROGRAM

## Poster 2 ■ Monday, April 28 ■ 12:30pm-1:30pm

### KIOSK 1 ■ CARDIOVASCULAR ANESTHESIA- ERAS

Moderator: **Alessia Pedoto, MD, FASA**

Poster 1	<b>Tina Keshishian, BS</b>	Comparative Analysis of ICU Duration and Outcomes in CABG Patients Receiving Regional Anesthesia Administered by Anesthesia versus Surgery Teams: A Single-Center Study
Poster 2	<b>Willie Carter, MD</b>	Intra-thecal Morphine versus Paravertebral Block as Part of an Enhanced Recovery After Cardiac Surgery (ERACS) Protocol on Postoperative Pain and Outcomes: A retrospective Cohort Study
Poster 3	<b>Ikanke-abasi James, MD</b>	Erector Spinae Block in Minimally Invasive Cardiac Surgery: A Comparison of Infusion Techniques
Poster 4	<b>Anya Ihaddadene, Medical Student (MS3)</b>	Intercostal Nerve Cryoablation for Post-Operative Analgesia in Minimally Invasive Valve Surgery: A Single-Center Retrospective Cohort Study
Poster 5	<b>Martine Alison, MD</b>	A Retrospective Study of Pecto-Intercostal Fascial Plane Block Efficacy in Postoperative Cardiac Surgery Patients
Poster 6	<b>John Choi, DO</b>	Comparative Efficacy of Erector Spinae Plane Block versus Pecto-Intercostal Fascial Plane Block versus Control in Mitigating Postoperative Opioid Requirements Following Median Sternotomy

### KIOSK 2 ■ CARDIOVASCULAR ANESTHESIA- RV/ PULM HTN/CHD

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

Poster 1	<b>Victoria Nguyen, MD</b>	Association Between Right Ventricular Dysfunction and Post-Induction Hypotension
Poster 2	<b>Annandita Kumar, MD</b>	Deterioration of Right Ventricular Longitudinal Strain Following Elective Cardiac Surgery
Poster 3	<b>Ryan Best, MD, FRCPC</b>	Pregnancy-related Outcomes in Patients with Pulmonary Arterial Hypertension: A Multicenter Retrospective Cohort Study
Poster 4	<b>Cristhian Potes, PhD</b>	Calculating Continuous Cardiac Output from the Right Ventricular Pressure Waveform
Poster 5	<b>Soobin Kim, MD</b>	Conduits of Care: Optimizing Anesthetic Management in Right Ventricle to Pulmonary Artery Conduit Reoperations
Poster 6	<b>Justine Liang, MD, MS</b>	Watts Up with Cardiac Power in Fontan?
Poster 7	<b>Melissa Shears, MD, FRCPC</b>	Correlation Between Right Ventricle to Pulmonary Artery Systolic Pressure Gradient and Exercise Performance

### KIOSK 3 ■ CARDIOVASCULAR ANESTHESIA- VASOPLEGIA

Moderator: **Jakob Wollborn, MD**

Poster 1	<b>Luai Zakaria, MD</b>	Hydroxocobalamin for Vasoplegia During Cardiac Surgery: A Retrospective Cohort Analysis
Poster 2	<b>Sayaka Nakamura, MD</b>	Low-Dose Vasopressin in Off-Pump Coronary Artery Bypass Grafting: Impact on Graft Flow, Patency, and Postoperative Outcomes
Poster 3	<b>Jacob Saks, DO</b>	Does Preoperative Milrinone Cause Postoperative Dysfunction?

# SCIENTIFIC PROGRAM

## Poster 2 ■ Monday, April 28 ■ 12:30pm-1:30pm

### KIOSK 4 ■ CARDIOVASCULAR ANESTHESIA- TRANSFUSION MEDICINE/ AKI

Moderator: **Laeben Lester, MD**

Poster 1	<b>Kenichi Tanaka, MD, MSc</b>	Acute Normovolemic Hemodilution in a Multi-Center Adult Cardiac Surgery Setting: A Propensity Score-Matched Analysis Using the Society of Thoracic Surgeons Adult Cardiac Surgery Database
Poster 2	<b>Roy Lei, MD</b>	Impact of Intraoperative Autologous Platelet-Rich Plasma on Transfusion Requirements and Renal Outcomes in Ascending Aorta Surgery: A Retrospective Cohort Analysis
Poster 3	<b>Shelby Garcia, MD</b>	Racial Difference in Autologous Whole Blood Donation with Acute Normovolemic Hemodilution and its Impact in Transfusion in Cardiac Surgery
Poster 4	<b>Ryo Misawa, MD</b>	The Association of Central-to-Peripheral Arterial Pressure Gradient After Cardiopulmonary Bypass With Postoperative Acute Kidney Injury in Cardiovascular Surgery: A Retrospective Cohort Study

### KIOSK 5 ■ CASE REPORT

Moderator: **Aneeta R. Bhatia, MD, MBA, FFARCS, FASE**

Poster 1	<b>Giancarlo Sabetta, BS</b>	Acute Hypoxia Following Transcatheter Mitral Valve Repair due to Bidirectional Shunting through an Iatrogenic Atrial Septal Defect
Poster 2	<b>Robert Roth, MD</b>	Thrombectomy in a Patient with Massive Pulmonary Emboli and Bloody Airway
Poster 3	<b>Joseph Romero, DO</b>	Severe Atelectasis Diagnosed via Transesophageal Echocardiography in Refractory Status Asthmaticus: A Case Report
Poster 4	<b>Tina Keshishian, BS</b>	Premature Diastolic Dysfunction in a Young Patient with Behçet's Disease Undergoing Coronary Artery Bypass Grafting
Poster 5	<b>Laura Santa Cruz Mercado, MD</b>	Challenges and Strategies in Management of Cardiopulmonary Bypass for a Patient with Cryoglobulinemia, Cirrhosis, and Sepsis: A Case Report
Poster 6	<b>Theodore Dimitrov, BS</b>	Not Hot, but Not Cold: A Case of Malignant Hyperthermia in Cardiac Surgery
Poster 7	<b>Rishabh Kodia, MD</b>	Case Report: Quadricuspid Aortic Valve

### KIOSK 6 ■ COAGULATION

Moderator: **Todd Everett Jones, MD**

Poster 1	<b>Felix Mailloux, MDCM Candidate</b>	The Impact of Heparin Concentration Measurement in Cardiac Surgery Patients
Poster 2	<b>Jerrold Levy, MD</b>	Management of Major Bleeding in Perioperative Settings: A Survey of Clinical Practices from Members of the American Society of Anesthesiology
Poster 3	<b>Jessica Mo, BA</b>	A Pilot Study on the Volume-Response Relationship Between Acute Normovolemic Hemodilution and Coagulation Parameters in Cardiac Surgery
Poster 4	<b>Tomoaki Miyake, MD</b>	Development and Validation of a Prediction Model for Fresh Frozen Plasma Volume to Normalize Fibrinogen Function After Cardiopulmonary Bypass
Poster 5	<b>Jerrold Levy, MD</b>	Fibrinogen Repletion in Bleeding Patients: A Survey of Clinical Practices from Members of the American Society of Anesthesiology



# SCIENTIFIC PROGRAM

## Poster 2 ■ Monday, April 28 ■ 12:30pm-1:30pm

### KIOSK 7 ■ CRITICAL CARE- MCS

Moderator: **Christina A. Jelly, MD, MS**

Poster 1	<b>Travis Barker, MD</b>	Complications of Chest Tubes Placed in Patients on Extracorporeal Membrane Oxygenation
Poster 2	<b>Hirofumi Kanazawa, MD</b>	Exploring the Role of Extracorporeal Cardiopulmonary Resuscitation Following Cardiac Surgery: A Comprehensive Scoping Review
Poster 3	<b>Andrew Cho, BS</b>	Feasibility and Effects of Verticalization Therapy Among Patients Supported on Veno-Venous Extracorporeal Membrane Oxygenation
Poster 4	<b>Audrey Spelde, MD</b>	Impact of Body Mass Index (BMI) on Survival to Discharge in Patients Receiving Veno-venous Extracorporeal Membrane Oxygenation (VV ECMO)
Poster 5	<b>Nicolas Kumar, MD</b>	Pulmonary Artery Pulsatility Index Not Predictive of Right Ventricular Failure in Patients with Impella 5.5
Poster 6	<b>Giancarlo Sabetta, BS</b>	Characterizing Baseline Membrane Lung Resistance in Extracorporeal Membrane Oxygenation (ECMO)

### KIOSK 8 ■ ECHOCARDIOGRAPHY- EDUCATION/AI

Moderator: **Amit Bardia, MD**

Poster 1	<b>Cole Rinehart, MD</b>	Pilot Transesophageal Echocardiography Curriculum Implementation at an Anesthesiology Residency Program
Poster 2	<b>Richard Cervantes, MD</b>	Assessment of Diagnostic Adequacy of Artificial Intelligence-assisted Point of Care Echocardiography among Anesthesiology Trainees
Poster 3	<b>Rahul Devathu, BA</b>	Automated Right Ventricular Fractional Area Change Calculation Using Deep Learning Segmentation of Transesophageal Echocardiography Videos
Poster 4	<b>Jessica Liu, MD, PhD</b>	Aortic Root-left Atrial Fistula as a Complication of Aortic Valve Endocarditis

### KIOSK 9 ■ PERIOPERATIVE MEDICINE - PROCESS IMPROVEMENT

Moderator: **Adam Setren, MD**

Poster 1	<b>Nicolas Kumar, MD</b>	National Antibiotic Practices in Patients Undergoing Transcatheter Aortic Valve Replacement
Poster 2	<b>Alexander Roesler, MD</b>	Implementation of an Enhanced Recovery After Cardiac Surgery (ERACS) Fast-Track Pathway: An Interim Analysis
Poster 3	<b>George Gill, MD</b>	Targeted Prophylactic Amiodarone Protocol to Prevent Post-operative Atrial Fibrillation After Cardiac Surgery
Poster 4	<b>Hyunsu Ri</b>	The Effect of Remimazolam on Postoperative Nausea and Vomiting: A Systematic Review and Meta-Analysis
Poster 5	<b>Yunseok Jeon, MD, PhD</b>	Prediction of Postoperative Atrial Fibrillation after Cardiac Surgery Using Machine Learning
Poster 6	<b>Sarah Boden, MD, PharmD</b>	Regional Anesthesia is Associated with Decreased Post-Operative Atrial Fibrillation Following Cardiac Surgery

# SCIENTIFIC PROGRAM

## Poster 2 ▪ Monday, April 28 ▪ 12:30pm-1:30pm

### KIOSK 10 ▪ QUALITY IMPROVEMENT

Moderator: **Philip Kalarickal, MD, MPH**

Poster 1	<b>Sanders Joseph, MD FASA</b>	Periprocedural Glycemic Control at Cardiac Non Operating Room Sites - A Quality Improvement Project in a Large Quarternary Care Center
Poster 2	<b>Adil Al-Karim Manji, MD</b>	Sex-Based Differences in Diastolic Heart Failure Readmissions and Mortality Trends: Insights from the National Readmissions Database.
Poster 3	<b>Kyle Chin, MSc</b>	Comparing Algorithmic Viscoelastic Hemostatic Assay Based Transfusion Strategy versus Clinical Gestalt in Cardiac Surgery
Poster 4	<b>Bernardine Cabral, MD</b>	Optimizing Vasopressor Management: Implementation and Evaluation of an Angiotensin II Protocol in Cardiac Anesthesia
Poster 5	<b>Rosemary Kelley, MD</b>	When Every Beat Counts: Characterizing Non-cardiac Surgery Patients Requiring Rescue Transesophageal Echocardiograms, A Life-saving Intervention Provided by Cardiovascular Anesthesiologists

# SCIENTIFIC PROGRAM

## Poster 3 ■ Tuesday, April 29 ■ 12:00pm-1:00pm

### KIOSK 1 ■ BASIC SCIENCE

Moderator: **Michael A. Mazzeffi, MD, MPH, FASA**

Poster 1	<b>Jaclyn Edelson, MD</b>	Dexmedetomidine and Atipamezole: Receptor-Specific & Reversible General Anesthesia
Poster 2	<b>Luke Perry, MBBS(Hons), BSc</b>	Pulmonary Artery Catheter Use in Cardiac Surgery: An Entropy-Weighted Analysis
Poster 3	<b>Raghad Said, MD</b>	Serum LDH as a Predictor of Mortality in Cardiogenic Shock Patients Supported by Impella Devices: A Retrospective Analysis
Poster 4	<b>Stephanie Jarry, RN, PhD</b>	Validation of Intraoperative Processed Electroencephalography and Cerebral Oximetry for Prediction of Post-Operative Delirium in Cardiac Surgery: A Prospective Observational Study

### KIOSK 2 ■ CARDIOVASCULAR ANESTHESIA- ERAS

Moderator: **Samhati Mondal, MD**

Poster 1	<b>Gianpaolo Cecioni, MD</b>	Low-Dose Bupivacaine Spinal Anesthesia for Transcatheter Aortic Valve Implantation
Poster 2	<b>Gaetano Florio, MD, PhD</b>	Enhanced Recovery after Surgery Protocol and Postoperative Opioid Prescribing After Cardiac Surgery: An Interrupted Time Series Analysis
Poster 3	<b>Michael Li, MBBS, MPHTM, GCCT, FANZCA</b>	Intraoperative Opioid Administration by Cardiac Anesthesiologists in Patients Undergoing Cardiac Surgery

### KIOSK 3 ■ CARDIOVASCULAR ANESTHESIA- DELIRIUM/FRAGILITY/DYSRHYTHMIA

Moderator: **Jessica Spence, MD, PhD, FRCP**

Poster 1	<b>Tina Esfandiary, MD</b>	Incidence and Risk Factors of Dementia Following Cardiac Surgery: A Population-based, Retrospective Cohort Study
Poster 2	<b>Tanya Mailhot, RN, PhD</b>	Multimodal Brain Monitoring and Post-cardiac Surgery Patient Outcomes: A Retrospective Cohort Study
Poster 3	<b>Austin Leise, MD</b>	The Association of Anesthetic and Analgesic Medications with New Onset Post-operative Atrial Fibrillation in Adult Patients Undergoing Coronary Artery Bypass Grafting on Cardiopulmonary Bypass
Poster 4	<b>Elizabeth Schueth, MD, MPH</b>	Tracking Down the Rhythm That Was Playing Hard to Get: Wireless ECG Sensors to the Rescue

# SCIENTIFIC PROGRAM

## Poster 3 ■ Tuesday, April 29 ■ 12:00pm-1:00pm

### KIOSK 4 ■ CARDIOVASCULAR ANESTHESIA-MCS

Moderator: **Philip Kalarickal, MD, MPH**

Poster 1	<b>Jessica Liu, MD, PhD</b>	A Novel Arterial Dannula to Reduce Vascular Complications of Mechanical Ciruclatory Support
Poster 2	<b>Dhruv Vasant, MD</b>	Intraoperative Right Ventricular Strain May Predict Early Acute Right Heart Failure During HeartMate 3 Left Ventricular Assist Device Implantation: A Case Series

### KIOSK 5 ■ CASE REPORTS

Moderator: **Mariya Geube, MD, FASE**

Poster 1	<b>Alice Alexandrov, MD</b>	Perioperative Management of a Jehovah's Witness Undergoing a Valve Sparing Root Repair
Poster 2	<b>Dhruti Diwan, MD</b>	Immediate Postoperative Extubation Following Pulmonary Endarterectomy: Two Case Reports and Potential Benefits
Poster 3	<b>EJ Collins, MD</b>	Vigilance, Swan Placement, Diagnosis Confirmed - Ventricular Septal Defect with an Elective Ascending Aortic Aneurysm Repair Without Rupture with Hemiarch Graft
Poster 4	<b>Anna Arakelyan, MD</b>	Multidisciplinary Management of Acute Type A Aortic Dissection in a 29w5d Pregnant Patient with Marfan Syndrome
Poster 5	<b>Osama Sayed, MD</b>	One Patient, Four TAVR Valves: When the Embolized Valve is Trapped in the Ventricle

### KIOSK 6 ■ CRITICAL CARE

Moderator: **Worasak Keeyapaj, MD**

Poster 1	<b>Joseph Lee, MD</b>	Plasma Follistatin-like 3 (FSTL3) Predicts Hypertensive Emergency in Patients with Suspected Preeclampsia
Poster 2	<b>Alex Wang, DO</b>	Safety of Ultrasound-Guided Percutaneous Stellate Ganglion Nerve Blockade in Patients with Ventricular Tachycardia Storm on Anticoagulation, A Single Center Retrospective Case Series
Poster 3	<b>Tishan Wellalagodage, MBBS, MMed</b>	A Comparison of Continuous Flow Thermodilution with the Direct Fick Technique for Determining Cardiac Output in a Cohort of Patients Undergoing Valvular Surgery

# SCIENTIFIC PROGRAM

## Poster 3 ■ Tuesday, April 29 ■ 12:00pm-1:00pm

### KIOSK 7 ■ PERIOPERATIVE MEDICINE

Moderator: **Kenichi Tanaka, MD, MSc**

Poster 1	<b>Yen-Yen Gee, MD</b>	How Can we Identify Obstetric Patients with Mechanical Heart Values? The Creation of a Computable Phenotype and Description of a High-risk Obstetric Population
Poster 2	<b>Soobin Kim, MD</b>	Out of Sight, Out of Rhythm: Risk Factors for Postoperative Atrial Fibrillation After Discharge Detected by Wireless Patch Monitoring
Poster 3	<b>Megan Rolfzen, MD</b>	Association Between Mental Illness, Rurality, and Mortality in Cardiothoracic Surgical Patients – A Retrospective Cohort Study
Poster 4	<b>M. Arsalan Farooqi, BA</b>	A Retrospective Comparison of Postoperative Delirium and Withdrawal Outcomes in Cardiac Surgery Patients with Substance Use Disorders

### KIOSK 8 ■ PERIOPERATIVE MEDICINE - PBM

Moderator: **Natalia I. Girardi, MD**

Poster 1	<b>Justyna Bartoszko, MD</b>	Targeted Hemostatic Therapy in Cardiac Surgical Patients with Coagulopathic Bleeding: The FIBRES and FARES-II Randomized Controlled Trials
Poster 2	<b>Reema Shah, DO</b>	Effect of Anemia on Adverse Outcomes in a Cardiac Surgical Population
Poster 3	<b>Lauren Miller, BS</b>	The OPTIMAL Study: A Pilot Feasibility Trial to Improve Functional Outcomes After Transcatheter Aortic Valve Replacement

### KIOSK 9 ■ QUALITY IMPROVEMENT

Moderator: **Liliya Pospishil, MD**

Poster 1	<b>Dan McGrail, MD</b>	Leveraging Digital Technologies to Improve Ultrasound Teaching and Utilization
Poster 2	<b>Sunny Kim, MD</b>	The Effect of Pre-operative Management of Heart Transplant Donors on Recipient Outcomes: A Retrospective Cohort Study
Poster 3	<b>Brian Barron, MD</b>	Cardiothoracic Anesthesiology Resident Curriculum Revision
Poster 4	<b>Adam Lepkowsky, MD</b>	Weaning the ECMO Training Gap: A Survey on Fellowship Education and the Need for a Standardized Curriculum
Poster 5	<b>Shweta Golhar, MD</b>	Bridging Gaps in Perioperative Care in India: A Distance Education Curriculum for Point-of-Care Ultrasound Training

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 • Saturday, April 26 • 11:00am-1:00pm

### KIOSK 1

Moderator: **Susan Eagle, MD**

Poster 1	<b>Aditaya Seshadri, BA</b>	Friends in High-Stakes Places: Multidisciplinary Planning for Successful Complex, High-Risk Lead Extraction
Poster 2	<b>Laura Santa Cruz Mercado, MD</b>	Left Atrial Appendage Occlusion Device, Its Percutaneous Extraction and Reimplantation with Watchman Flx Pro
Poster 3	<b>Elana Folbe, MD</b>	Balancing Pre-eclampsia And Vasoplegia: A Challenging Case of Type a Dissection in a Pre-eclamptic Patient
Poster 4	<b>Taechawidd Nantawisarakul, MD</b>	Anesthetic Challenges of Robotic Cardiac Surgery: A Case of Refractory Lung Hyperinflation Requiring Sternotomy Post-Heparinization
Poster 5	<b>Damon Wallace, MD</b>	Intra-Cardiac Renal Cell Carcinoma Excision Requiring Tri-Caval Cannulation
Poster 6	<b>Elana Folbe, MD</b>	Airway Management in Bilateral Lung Transplant (BLT) Patients with Mounier-Kuhn Syndrome (MKS)
Poster 7	<b>Samantha Sohnen, MD</b>	Acute SVC Syndrome Following Resection and Reconstruction of the Superior Vena Cava

### KIOSK 2

Moderator: **Cheen Alkhatib, MD**

Poster 1	<b>Elizabeth Hall, MD</b>	Mechanical Circulatory Support in Patient with Papillary Muscle Rupture, Severe Mitral Regurgitation, and Aortic Intramural Hematoma
Poster 2	<b>Sabrina Pan, MD</b>	Left Heart vs Right Heart! Induction Considerations for Competing Physiologies in a Patient with HOCM and ILD with Right Heart Dysfunction
Poster 3	<b>Michael Hoole, MD</b>	Identification of a Paravalvular Left Ventriculo-Atrial Fistula on Transesophageal Echocardiography
Poster 4	<b>Laura Mendez Pino, MD</b>	Bilateral Orthotopic Lung Transplantation in a Patient with Mournier-Kuhn Syndrome
Poster 5	<b>Elizabeth Schueth, MD, MPH</b>	A Pascal Clip: The Heart's New Favorite Accessory
Poster 6	<b>George Bekheet, MD</b>	Anesthetic Care of the Bilateral Sympathectomy – The Importance of Remaining Sympathetic to the Adrenergic System
Poster 7	<b>Matt Nankin, MD</b>	Anesthetic Considerations for a Median Sternotomy Coronary Artery Bypass Graft Coupled with Right Middle Lobe Wedge Resection

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 ■ Saturday, April 26 ■ 11:00am-1:00pm

### KIOSK 3

Moderator: **Marcus Behrens, MD**

Poster 1	<b>Omar Singer, MD</b>	A Myxoma Misstep: Unmasking a Left Atrial Sarcoma
Poster 2	<b>Blair Segsworth, MBBS, MSc</b>	Management Of A High-Risk Parturient with an Unrepaired ASD and Severe Pulmonary Hypertension
Poster 3	<b>Annandita Kumar, MD</b>	Effective Intraoperative Management of Refractory Ventricular Arrhythmia in a Patient with Repaired Tetralogy of Fallot, Endocarditis, and Prolonged QT Interval
Poster 4	<b>Stanley Desire, MD</b>	Comman-do or Don't: Robotic Mitral Valve Replacement with Concomitant Transcatheter Aortic Valve Replacement in a Patient with Double Valve Disease
Poster 5	<b>Benjamin Brueske, MD</b>	Anesthetic Management of Large Pulmonary and Hepatic Hydatid Cyst Resection
Poster 6	<b>Angell Xiang, MD</b>	TEE for Evaluation of Hemodynamic Instability in a Rare VATS Injury
Poster 7	<b>Ryan Casey, MD</b>	Anomalous Origin of the Right Coronary Artery Resulting in Atypical Chest Pain in a Young, Healthy Patient

### KIOSK 4

Moderator: **Vaibhav Bora, MBBS, FASE, FASA, FCCP, FCCM**

Poster 1	<b>Thomas Epperson, IV, MD</b>	Anesthetic and Surgical Management of Bioprosthetic Aortic Valve Endocarditis Complicated by an Acquired Gerbode Defect
Poster 2	<b>Joseph Catania, MD</b>	Placement of Left Atrial Appendage Occlusion Device Resulting in Left Atrial Appendage Perforation Requiring Cardiopulmonary Bypass for Repair
Poster 3	<b>Vivian Hernandez Torres, MD, MS</b>	Incidental Finding of Aortic Valve Papillary Fibroelastoma During Planned Off-Pump Coronary Artery Bypass Grafting Requiring Conversion to On-Pump Surgery and Tumor Excision
Poster 4	<b>Jacob Mayfield, MD</b>	Hemiazygous Continuation of IVC Leading to Failed Robotic MVR Technique
Poster 5	<b>Daniel Golland, MD</b>	Central Line Placement Confusion: A Case of Persistent Left Superior Vena Cava
Poster 6	<b>Kate Frost, MD</b>	A Dissection with a C-Section: The Case of a Pregnant Woman with Marfan Syndrome
Poster 7	<b>Melissa Shears, MD, FRCPC</b>	Creation of Bilateral Internal Jugular to Right Atrium Grafts for Severe Superior Vena Cava Syndrome in a Patient with Sarcoidosis

### KIOSK 5

Moderator: **Yianni Augoustides, MD, FASE, FAHA**

Poster 1	<b>Rosemary Kelley, MD</b>	Aortomitral Curtain Injury Hidden Under Double Mitral Regurgitation Jet
Poster 2	<b>Jeffrey Chau, MD</b>	Rapid Rewarming of Severe Hypothermia via Extracorporeal Membrane Oxygenation
Poster 3	<b>Basheer Kayali, MD</b>	Malpositioned TAVR Valve Requiring Explant and SAVR
Poster 4	<b>Paul Mah, MD</b>	Interatrial Hematoma After Extended Myectomy and Ascending Aortic Aneurysm Repair
Poster 5	<b>Woong Hwang, MD, PhD</b>	Improved Left Atrial Appendage Filling Defect with Amelioration of Low Flow State
Poster 6	<b>Yoshio Tatsuoka, MD</b>	Acquired Gerbode Defect After Robotic Mitral Valve Replacement
Poster 7	<b>Daniel Wang, MD</b>	Double Ventricle, Mirror Image, or an ADU? Two-Step Eviction of a Giant Left Ventricular Pseudoaneurysm

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 • Saturday, April 26 • 11:00am-1:00pm

### KIOSK 6

Moderator: **Ilesse Credaroli, DO**

Poster 1	<b>Kimia Ziadkhanpour, MD</b>	Clipped Coronary Artery: Left Main Coronary Artery Occlusion After AtriClip Placement in Endoscopic Mitral Valve Repair
Poster 2	<b>Colleen Mismas-Hooley, MD</b>	Anesthetic Management of a Patient with Tricuspid Valve Endocarditis and Severe Thrombocytopenia Undergoing Percutaneous Suction Vegetectomy
Poster 3	<b>Lucy Zhuo, MD</b>	Q(quick)-Tip: Otorrhagia During Cardiopulmonary Bypass
Poster 4	<b>Arvin Saleh, MD, MPH</b>	Not-So-Sweet: Maple Syrup Urine Disease in Persistently, Unexplained Acidotic Cardiac Surgery Patients
Poster 5	<b>Anthony Schramm, MD</b>	Intraoperative Transesophageal Echocardiography (TEE) Assessment of a LV Pseudoaneurysm and LV-LA Fistula Repair
Poster 6	<b>Mike Yamakawa, MD</b>	Identification of Malignant Hyperthermia During Deep Hypothermic Circulatory Arrest for a Kawashima Procedure
Poster 7	<b>Christian O'Conner, MD</b>	Hidden in Plain Sight: An Uncommon Injury During Lead Extraction

### KIOSK 7

Moderator: **Lawrence Delrosario, MD**

Poster 1	<b>Zil Patel, DO</b>	Incidental Finding of Intracardiac Thrombus in a Patient on Veno-Arterial Extracorporeal Membrane Oxygenation
Poster 2	<b>Franco Incitti, MD</b>	Complex Endocarditis, Coronary Disease, and an LVAD: A Case of Patiently Waiting for Ventricular Recovery
Poster 3	<b>John McAuley, MBBS</b>	Staged Sternotomy with Peripheral Cardiopulmonary Bypass and Endoclamp for High-Risk Aortic Pseudoaneurysm Repair
Poster 4	<b>Ling Lei, MD</b>	Pop off and Show Out: Right Ventricular Failure Following Patent Foramen Ovale closure in Patient with Left Ventricular assist Device
Poster 5	<b>Soobin Kim, MD</b>	Management of Distributive and Cardiogenic Shock in Calcium Channel Blocker Toxicity
Poster 6	<b>Dip Shukla, MD</b>	Intravenous Leiomyomatosis with Intracardiac Extension
Poster 7	<b>Evelyn Borchert Billik, MD</b>	Hypothermic Renal Protection in Suprarenal Aortic Surgery

### KIOSK 8

Moderator: **Alice Whyte, MD**

Poster 1	<b>Michal Rajski, MD</b>	Intraoperative Aortic Rupture in a Patient with Stanford Type a Aortic Dissection
Poster 2	<b>Christopher Glover, MD</b>	Hemolysis Induced Renal Failure Following Percutaneous Closure of Iatrogenic Ventricular Septal Defect
Poster 3	<b>Cassandra Zhi, MD</b>	Transseptal Thrombus Removal and Watchman Placement with Embolic Complication
Poster 4	<b>Wenting Ma, MD</b>	Reoperative Resection of a Mediastinal Yolk Sac Tumor Invading the Right Atrium, Superior Vena Cava, Right Lung, and Diaphragm
Poster 5	<b>Moshe Haddad, DO</b>	Novel Use of Transcatheter Tricuspid Valve Replacement Using the Evoque Valve in a Post-Heart Transplant Patient
Poster 6	<b>Zachary Woodward, DO</b>	Right and Anomalous Left Circumflex Coronary Artery Occlusions Following Minimally Invasive Mitral Valve Replacement
Poster 7	<b>Marianna Athanassiou, MD</b>	Incidental Finding of Low Flow Low Gradient Aortic Stenosis (AS) During Mitral Valve Repair for Severe Mitral Regurgitation: Intraoperative Decision Making



# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 ■ Saturday, April 26 ■ 11:00am-1:00pm

### KIOSK 9

Moderator: **Marta Kelava, MD**

Poster 1	<b>Megan Wang, MD</b>	Management of a Patient with Severe Coronary Artery Disease and Known Difficult Airway Undergoing Tracheostomy
Poster 2	<b>Connor Milone, MD</b>	Multidisciplinary Management of a Left Atrial Mass Complicated by Cerebral Infarct
Poster 3	<b>Bryan Roberts, DO</b>	Unmasking the Mass: The Interplay of TEE and Cardiac MRI in Diagnosing a Right Atrial Thrombus
Poster 4	<b>Lisa Greco, DO, MS</b>	Rescue Tandem Heart and ECMO in the Management of Severe Aortic Insufficiency After Infective Endocarditis of Transcatheter Aortic Valve Replacement
Poster 5	<b>Karyn Barrett, MD</b>	Obstruction at the Heart of the Matter: Anesthetic Management of a Case of Intravascular Leiomyomatosis with Intracardiac Extension
Poster 6	<b>Shankha Chakravorty, MD</b>	Tension Hemothorax After Transcatheter Edge-to-Edge Mitral Repair (Mitraclip) Procedure and Multiple Shock States in the Postoperative Period
Poster 7	<b>Rachel Dada, MD</b>	Intraoperative Echocardiographic Evaluation of the Double-Barrel Brachiocephalocaval Reconstruction Following Epithelioid Hemangioendothelioma Resection

### KIOSK 10

Moderator: **Megan Kostibas, MD**

Poster 1	<b>Andrew Snavey, MD</b>	Using Echo Contrast for Left Atrial Appendage Thrombus Exclusion
Poster 2	<b>Roger Jacob, MD</b>	Sheaths, Strands, and Surprises: A Rare Case of Fibrous Intracardiac Material After ICD Extraction
Poster 3	<b>Patrick Larabell, MD</b>	A Case of Stone Heart Syndrome After Complex Redo Aortic Arch Surgery
Poster 4	<b>Cory Greguske, DO</b>	Sevoflurane Therapy in Refractory Status Asthmaticus in the Setting of Venovenous ECMO: A Case Report
Poster 5	<b>Matthew Nordness, MD</b>	Pericardiectomy for Constrictive Histoplasmosis Pericarditis Complicated by Right Atrial Fistula and Focal Tamponade
Poster 6	<b>Alex Wang, DO</b>	Utility of Computerized Tomography Based Fusion Imaging in Percutaneous Paravalvular Leak Closures
Poster 7	<b>Natasha Singh, MD MBA</b>	Masses and Airway Passes: Multidisciplinary Management of a Myxomatous Challenge

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 • Saturday, April 26 • 11:00am-1:00pm

### KIOSK 11

Moderator: **Perin Kothari, DO**

Poster 1	<b>Rodney Chen, MD</b>	Anterior Mitral Valve Leaflet Modification During Valve-In-Ring Transcatheter Mitral Valve Replacement
Poster 2	<b>Robert Scott Cheeseman, II, MD</b>	Snafu of the Subaortic Membrane Excision
Poster 3	<b>Kristen Ewing, MD</b>	Accessory Hepatic Lobe Presenting as Right Atrial Mass
Poster 4	<b>Vincent Tang, DO</b>	Use of Cardiopulmonary Bypass Prior to Anesthesia Induction of a Patient with Large Obstructive Right Atrial Mass Undergoing Resection
Poster 5	<b>Abbey Halula, DO</b>	Plugging the Leak: A Multi-Amplatzer Approach to Complex Mitral Paravalvular Leak Repair
Poster 6	<b>Claire Luo, MD</b>	Worsened Transmitral Valve Gradients After iASD Closure During mTEER Repair
Poster 7	<b>Kush Gupta, MD</b>	No Strings Attached: Chordal Disentanglement in Tricuspid TEER

### KIOSK 12

Moderator: **Benu Makkad, MD**

Poster 1	<b>Jay Saggi, DMD, MD</b>	Are You in or Are You Out? Two Mitraclips Placed on a Previously Repaired Valve - One Inside the Ring and One Through a Dehiscence
Poster 2	<b>Ahmed Yousef, MD</b>	Structural Heart Disease Modulates Risk of Aortic Root Thrombosis on VA ECMO
Poster 3	<b>Ram Matsa, MD</b>	An Unexpected Post-Operative Jet After the David Procedure
Poster 4	<b>Alaa Saeed, MD</b>	Prolapsing Left Atrial Myxoma: Hemodynamic Stability Despite Size and Location
Poster 5	<b>Arun Saxena, MD</b>	Adult Scimitar Syndrome Repair and Its Complications
Poster 6	<b>Naureen Mullani, MD</b>	Open, Complex Tricuspid Valve Repair Status Post Orthotopic Heart Transplant: A Case Report

### KIOSK 13

Moderator: **Charles Nyman, MBBCh**

Poster 1	<b>Sudharsan Srinivasan, MD, MSE</b>	Chronic Contained Chaos: Retrograde Type a Dissection with Contained Aneurysmal Rupture Following Previous Thoracic Endovascular Aortic Repair
Poster 2	<b>Ragasnehith Maddula, MD</b>	TEE Surveillance of Pulmonary Artery Aneurysms and Post-Bypass Right Ventricular Failure
Poster 3	<b>Nasim Shakibai, DO</b>	Anesthesia Consideration for a Parturient with Hypertrophic Obstructive Cardiomyopathy
Poster 4	<b>Ellianna Patton, MD</b>	A Case of Unknown Persistent Left Superior Vena Cava During Aortic Root Replacement
Poster 5	<b>Olivia Lansinger, MD</b>	Transesophageal Echocardiogram Guides Intraoperative Management of Pulmonary Hypertension and Right Ventricular Dysfunction During Pulmonary Artery Sarcoma Resection
Poster 6	<b>Alessandra Riccio, MD</b>	Anaphylactic Shock Triggered by Chlorhexidine Impregnated Multi-lumen Access Catheter Central Line Introducer
Poster 7	<b>Catherine Fabian, MD</b>	Perioperative Considerations in a Patient with a Right Ventricular Carcinoid Tumor

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 ■ Saturday, April 26 ■ 11:00am-1:00pm

### KIOSK 14

Moderator: **Bhoumesh Patel, MD**

Poster 1	<b>Steven Pope, MD</b>	Embolization of Left Atrial Appendage Occlusion Device Leading to Type a Aortic Dissection
Poster 2	<b>Susana Arango, MD</b>	The Anesthetic Management of a Pediatric Patient with ACTA2 Mutation During Staged Ascending and Descending Aortic Repair
Poster 3	<b>Belinda Bejtja, MD</b>	ECMO-Assisted LVAD Outflow Graft Stenting: The Anesthesiologist's Role in Perioperative Management
Poster 4	<b>Mora Rizk, MD</b>	Elective Extracorporeal Membrane Oxygenation (ECMO) for Lymph Node Biopsy
Poster 5	<b>Brandon Hernandez, MD</b>	Ventricular Septal Defect Repair in a Double Chamber Right Ventricle Complicating Cardiac Surgery
Poster 6	<b>James Simpson, MD</b>	Intramural Hematoma Complicating Acute Myocardial Infarction with Papillary Muscle Rupture
Poster 7	<b>Margaret Fabiszak, MD, PhD</b>	Tamponade Physiology in the Setting of Severe Lung Edema Diagnosed with Rescue Transesophageal Echocardiography

### KIOSK 15

Moderator: **Nathan Waldron, MD, MHS**

Poster 1	<b>Jordan Stillman, MD, MPH</b>	LVAD for RVAD: HeartMate 3 Implantation for Isolated Right Heart Failure
Poster 2	<b>Robert Roth, MD</b>	Type B Dissection Septostomy in a Patient with Prior Elephant Trunk Graft to False Lumen
Poster 3	<b>Brecken Esper, MD</b>	Multidisciplinary On-Pump Resection of Adrenal Tumor Infiltrating the Inferior Vena Cava and Right Atrium
Poster 4	<b>Matthew Tribble, DO</b>	Heartbreak: Battling Refractory Coronary Vasospasm
Poster 5	<b>Alex Tolman, MD</b>	Breathless Expectations: Navigating Shrinking Lung Syndrome and Pulmonary Hypertension in Pregnancy
Poster 6	<b>Sinziana Constantinescu, DO</b>	Intraoperative TEE Detection of Upside-Down Mechanical Valve in Mitral Position During MVR
Poster 7	<b>Emma Iaconetti, MD</b>	Use of Ketamine to Treat Bronchoconstriction from Suspected Anaphylaxis During Cardiopulmonary Bypass for Valve-Sparing Aortic Root Replacement

### KIOSK 16

Moderator: **Richard Sheu, MD, FASE**

Poster 1	<b>Andrew Maroncelli, MD</b>	R on T Phenomenon with Temporary Epicardial Pacemaker Wire After Mitral Valve Replacement Leading to Mechanical Circulatory Support
Poster 2	<b>Bryan Olson, DO</b>	Emergency Transcatheter Aortic Valve Replacement or Pump the Breaks?
Poster 3	<b>Rodney Chen, MD</b>	Neurologic Injury Post-Bypass: A Rare Complication
Poster 4	<b>Joshua Purvis, MD</b>	Incremental Value of Live Three Dimensional Transesophageal Echocardiography in Guiding Percutaneous Interventions: A Sexagenarian with Multiple Interatrial Communications
Poster 5	<b>Joshua Insler, MD</b>	ECLS for Peripartum Cardiac Arrest: A Case of Multidisciplinary Coordination
Poster 6	<b>Anjan Saha, DO</b>	Left Pulmonary Vein Obstruction After Double Lung Transplantation
Poster 7	<b>Christopher Kim, MD</b>	Echocardiographic Assessment of Suitability of Re-Do Mitral Valve Repair: A Clinical Conundrum

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 • Saturday, April 26 • 11:00am-1:00pm

### KIOSK 17

Moderator: **Lindsey Senozan, MD**

Poster 1	<b>Sean Randazzo, MD</b>	Refractory Ventricular Arrhythmia in the LVAD Patient
Poster 2	<b>Lucy Zhuo, MD</b>	Fight or Flight: Anesthetic Considerations for Cardiac Paraganglioma
Poster 3	<b>Reema Shah, DO</b>	Oh Baby! Biventricular Failure Strikes in the Peripartum Patient
Poster 4	<b>Jaron Hrushka, MD</b>	LBBB Conversion to 3rd Degree Heart Block Following Brief Asystole After PA Catheterization
Poster 5	<b>Adam Warrick, MD</b>	Guidance of Impella 5.5 Placement in a Patient Status Post Mustard Procedure
Poster 6	<b>Laura Lowe, MD</b>	Left Ventricular Pseudoaneurysm: A Rare Cause of Torrential Regurgitation into the Left Atrium
Poster 7	<b>Jaron Hrushka, MD</b>	Inadvertent Subclavian Artery Cannulation During Cardiopulmonary Bypass

### KIOSK 18

Moderator: **Jessica Zvara, MD**

Poster 1	<b>Aamod George, MD</b>	Management Considerations for CABG in a Patient with Sickle Cell Disease
Poster 2	<b>Stephen Varga, Jr., MD</b>	Rare Cardiac Tumor: Incidental Tricuspid Valve Blood Cyst Identified During CABG
Poster 3	<b>Asad Mansoor, MD</b>	PTE Sans TEE: Deferring Intraoperative Transesophageal Echocardiography for Pulmonary Thromboendarterectomy
Poster 4	<b>Eric Chen, MD</b>	Intraoperative TEE in Reoperative Cardiac Surgeries: Imaging Challenges with Prosthetic Valves
Poster 5	<b>Henry Zimmer, MD</b>	Perioperative Management and Echocardiography for Rheumatic Heart Disease
Poster 6	<b>Farah Aboufakhr, MD</b>	Mitral Paravalvular Leak Closure via Left Anterolateral Thoracotomy

### KIOSK 19

Moderator: **Nelson Thaemert, MD**

Poster 1	<b>Jacob Saks, DO</b>	Type B Dissection Following Intramural Hematoma Repair
Poster 2	<b>Juan Li, MD</b>	Managing Spontaneous Echo Contrast in the Descending Aorta of a Patient Undergoing Mitral Valve Transcatheter Edge to Edge Repair
Poster 3	<b>Iris Moore, DO</b>	Recurring Acquired Gerbode Defect
Poster 4	<b>Jacob Conroy, MD</b>	Refractory Atrial Flutter During Balloon Dilation for Isolated Pulmonary Stenosis
Poster 5	<b>Cordell Spellman, MD</b>	Rapid Transfuser in the Cardiac Room: A Case of Post-TAVR Type a Aortic Dissection Repair Complicated by Aortic Root Rupture
Poster 6	<b>Rebecca Piland, MD</b>	Reoperative Commando Procedure Complicated by Refractory RV Failure
Poster 7	<b>Danielle Nogoy, MD</b>	Transcatheter Device Migration Leading to Urgent Surgery in a High-Risk Patient with Severe MR

# FELLOW AND RESIDENT ABSTRACTS

## Poster 1 ■ Saturday, April 26 ■ 11:00am-1:00pm

### KIOSK 20

Moderator: **Shanna Sykes Hill, MD**

Poster 1	<b>Olivia Napoli, DO</b>	Use of Veno-arterial Extracorporeal Oxygenation as Support in Transcatheter Aortic Valve Replacement: Is It Ever a Good Idea?
Poster 2	<b>David Christian, MD</b>	Transapical Approach to Snare Migrated Balloon-Expandable Aortic Valve Prosthesis
Poster 3	<b>Dinesh Parmar, MD</b>	Transcatheter Aortic Valve Replacement Gone Wrong: Device Embolization into Ascending Aorta
Poster 4	<b>Faraz Mahmood, MD</b>	To Replace or Not to Replace: A Case of High Gradient Bicuspid Aortic Valve with Normal Valve Area
Poster 5	<b>Jason Lieber, MD</b>	TTE to the Rescue: Venoarterial Extracorporeal Membrane Oxygenation Decannulation Guided by Intraoperative Transthoracic Echocardiography
Poster 6	<b>Matthew Parrott, DO</b>	Selenium Toxicity Treatment with Extracorporeal Membrane Oxygenation
Poster 7	<b>Seth Walsh-Blackmore, MD</b>	When Teamwork Makes the Dream Work: Multidisciplinary Care of Complicated High-Risk Obstetric Pulmonary Embolism

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 1

Moderator: **Emily Methangkool, MD, MPH**

Poster 1	<b>Kelci Beardsley, DO</b>	Double Trouble: A Case of an Unanticipated Double Orifice Mitral Valve
Poster 2	<b>Lilly Fang, MD</b>	Post-MI Infarct Ventricular Septal Defect and Impella as a Bridge to Repair
Poster 3	<b>Osama Abushawer, MD</b>	An Unusual Case of Giant Coronary Artery Aneurysm for Coronary Artery Bypass Surgery
Poster 4	<b>Jason Hsieh, MD</b>	A Modified Bentall Procedure for Repair of an Aneurysmal Pulmonary Artery in a Patient with a History of Transposition of the Great Vessels
Poster 5	<b>Martine Alison, MD</b>	Ventricular Assist Device as a Bridge to Transplant in a Pediatric Patient with Complex Congenital Heart Disease
Poster 6	<b>Samuel Erlinger, MD</b>	Infective Endocarditis Requiring Aortic and Mitral Valve Replacement in a Patient with Alpha-Gal Syndrome
Poster 7	<b>Andrew Mullet, MD</b>	Anastomosis Stenosis: An Added Challenge for a New Heart

### KIOSK 2

Moderator: **Diana Anca, MD**

Poster 1	<b>Katherine Fortson, MD</b>	Prosthetic Valve Leaflet Escape: A Rare Complication of Prosthetic Valve Replacement
Poster 2	<b>Gaurav Shrestha</b>	An Unexpected Cause of Shortness of Breath While Climbing Mount Everest
Poster 3	<b>Phillip Yang, MD</b>	A Delayed Presentation of Acute Left Main Coronary Artery Occlusion Following Surgical Aortic Valve Replacement
Poster 4	<b>Jacqueline Quinn, MD</b>	Adult Congenital Heart Disease: Anesthetic Considerations for Superior Sinus Venosus Atrial Septal Defect and Partial Anomalous Pulmonary Venous Return
Poster 5	<b>Emily Griffin, MD</b>	Organ Care System and VA-ECMO Support During Combined Heart and Liver Transplantation from a Donation After Circulatory Death Donor: A Case Report
Poster 6	<b>Hannah Parks, MD</b>	A Tale of Two Systems: Navigating The Intersection of Tetralogy of Fallot and Pheochromocytoma
Poster 7	<b>Samuel Papke, MD</b>	Bullet Fired Twice: An Interesting Case of Traumatic Cardiac Injury and Intracardiac Embolization

### KIOSK 3

Moderator: **Luai Zakaria, MD**

Poster 1	<b>Pamela Benavidez, MD</b>	A Tale of Two Origins: A Case of Mitral Arcade and Incidental Dexter Cor Triatriatum in an Adult Patient
Poster 2	<b>Francesca Goodstein, MD</b>	Management of Left Ventricular Assist Device Outflow Graft Obstruction Using Percutaneous Endovascular Stenting
Poster 3	<b>Sean Melucci, MD</b>	A Transcatheter Valve Implantation Misadventure: A Case Report of Supravalvular Prosthesis Embolization
Poster 4	<b>Derek Bradley, MD</b>	Emergent Management of New LVOT Sarcoma with Severely Reduced Ejection Fraction in a Post-partum Patient
Poster 5	<b>Ramneek Maan, MD</b>	The Wandering Stent: A Case of RCA Stent Migration
Poster 6	<b>Navdeep Chahal, MD</b>	A Case of Suspected Takotsubo Syndrome Developing in the Post-Cardiopulmonary Bypass Period
Poster 7	<b>Laura Merlano, MD</b>	Bullet Proof: Localization of a Retained Intracardiac Missile Using Transesophageal Echocardiogram

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 4

Moderator: **Meha Bhargava, MS, MD**

Poster 1	<b>Angela Chang, MD</b>	Acute Ventricular Septal Defect from Takotsubo Cardiomyopathy
Poster 2	<b>Brendan Berenger, MD</b>	The Path Less Travelled: Carotid Approach for Transcatheter Aortic Valve Replacement in a Patient with Repaired Interrupted Aortic Arch and a Bicuspid Aortic Valve
Poster 3	<b>Sean Moore, DO</b>	Diffuse Coronary Vasospasm Following Myocardial Bridge Unroofing Procedure
Poster 4	<b>Katherine Kent, MD</b>	Combined Cardiac Surgery and Liver Transplantation in Advanced Cirrhosis: A Case Based Discussion
Poster 5	<b>Derrick Ha, DO</b>	VSD and Cardiogenic Shock After Transcatheter Septal Scoring Along Midline Endocardium Procedure
Poster 6	<b>Sujith Narayanan, DO</b>	From or to Cath Lab: Management of Acute Inferior Vena Cava Tumor Embolization to Pulmonary Artery with Endovascular Retrieval
Poster 7	<b>Jourdan Broadfoot, MD</b>	Now You See Me: A Case of Intraoperative Tumor Embolization Requiring Cardiopulmonary Bypass

### KIOSK 5

Moderator: **Rushil Bose, DO**

Poster 1	<b>Nathan Hurley, MD, PhD</b>	Airway Injury from Double Lumen Tube: A Case of Successful Intraoperative Repair
Poster 2	<b>Miles Orantia, DO</b>	Total Artificial Heart - A Bridge to Redo Heart Transplantation Due to Chronic Rejection
Poster 3	<b>David Altman, MD</b>	Intraoperative Arrest During Valve-In-Valve Transcatheter Aortic Valve Replacement
Poster 4	<b>Chase Barker, MD</b>	ECMO Thrombectomy: Cannula-Assisted Clot Extraction in Acute Pulmonary Arterial Port Thrombosis
Poster 5	<b>Matthew Saunders, MD</b>	A Change in Surgical Planning Due to Pre-Bypass TEE
Poster 6	<b>Jacob Boudreaux, MD</b>	Gigantic Hiatal Hernia Impairing Impella: Using Transthoracic Echocardiography When Transesophageal Fails
Poster 7	<b>Ronald Nowak, MD</b>	Post Repair Mitral Regurgitation Conundrum - Utilization of Two Dimensional and Three Dimensional Echo Imaging

### KIOSK 6

Moderator: **Ashley Budd, MD**

Poster 1	<b>Toros Canturk</b>	Anterior Tracheal Injury Secondary to Sternotomy During Coronary Artery Bypass Grafting
Poster 2	<b>Luke Richardson, MD</b>	A Case of Differential Hypoxemia Secondary to Right-to-Left Intracardiac Shunting
Poster 3	<b>Ina Du, MD, MPH</b>	Management of a Complex Congenital Heart Patient During Seventh Sternotomy
Poster 4	<b>Edward Jaffe, MD</b>	Percutaneous Biventricular Circulatory Support Failure in Setting of Post Myocardial Infarction Ventricular Septal Rupture
Poster 5	<b>Vanja Ristic, MBBS</b>	An-"Gerbode": The Case of an Angry Aortic Root Abscess
Poster 6	<b>Kelvin Wang, MD</b>	Management of Retrograde TAVR Embolization Causing Severe Aortic Insufficiency and Severe LVOT Obstruction
Poster 7	<b>Samuel George, DO</b>	Repair of Tracheoesophageal Fistula Under Veno-Venous Extracorporeal Membranous Oxygenation

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 7

Moderator: **Luai Zakaria, MD**

Poster 1	<b>Ji-Syuan Li</b>	Aortic Root Rupture Following Transcatheter Aortic Valve Implantation: A Case Report
Poster 2	<b>Patricia Kim, MD</b>	Case of Orthotopic Heart Transplant (OHT) Complicated by Post-transplant Human Leukocyte Antigen (HLA) Sensitization, with Severe Cardiac Allograft Vasculopathy Requiring High-risk Immunosuppression
Poster 3	<b>Danielle Kumpf, MD</b>	A Case of Non-Infectious Left Ventricular Outflow Tract Pseudoaneurysm Secondary to Prosthetic Valve Degeneration
Poster 4	<b>Ravi Upadhyayula, MD</b>	Safe Use of Transesophageal Echocardiography in a Patient with Distal Esophagectomy
Poster 5	<b>Vanessa Hernandez, MD</b>	Failure to Separate from Cardiopulmonary Bypass Due to the Formation of Thrombotic Obstruction in the Left Main Coronary Artery
Poster 6	<b>Jane-Frances Aruma, MD</b>	Novel Management of an Acute Type a Aortic Dissection in a Non-Surgical Candidate, Using an Endovascular Ascending Aortic Stent
Poster 7	<b>Nyemachi Chikere Vizor, MD</b>	A Dual Challenge: Combined Transaortic Valve Replacement and Cesarean Section in a High-Risk Patient

### KIOSK 8

Moderator: **Ashley Oliver, MD, MA**

Poster 1	<b>Allan Migirov, DO</b>	Attempted Transcatheter Removal of an Endothelialized Left Atrial Appendage Closure Device: Anesthetic and Echocardiographic Considerations
Poster 2	<b>Lauren Everett, MD</b>	Dopamine Drama! A Complex Mediastinal Dopamine-Secreting Paraganglioma Requiring Cardiopulmonary Bypass
Poster 3	<b>Drexel Neumann, MD</b>	Pericardial Thrombus as Presenting Sign in Acute Aortic Dissection
Poster 4	<b>Zachary Chen, DO</b>	Surgical Management of Pulmonary Artery Sling in a Symptomatic Adult
Poster 5	<b>Alexander Roesler, MD</b>	Inferior Vena Cava Stenosis as a Cause of Circulatory Shock After Bicaval Orthotopic Heart Transplantation
Poster 6	<b>Albin Vleck, MD</b>	Patent Foramen Ovale Resulting in ECMO Complications in Lung Transplantation
Poster 7	<b>Lucas Giunta, DO</b>	A Multidisciplinary Approach to Heparin Desensitization in a Patient with Alpha-Gal Syndrome Undergoing Cardiac Surgery

### KIOSK 9

Moderator: **Jared Feinman, MD**

Poster 1	<b>Aubrey Euteneuer, DO</b>	Continuous Coronary Perfusion Requiring Systemic Hyperkalemia to Achieve Cardiac Arrest
Poster 2	<b>Sreelekha Paladugu, MD</b>	Not a Tall Tale: Postpartum Aortic Dissection in a Parturient with Marfan Syndrome
Poster 3	<b>Shelby Garcia, MD</b>	Tricuspid and Pulmonary Valve Replacement in a Patient with Carcinoid Heart Disease
Poster 4	<b>Leo Druker, DO</b>	Unexpected Bioprosthetic Mitral Valve Leaflet Fusion: The Interplay of ECMO and Heart Valve Mechanics
Poster 5	<b>Tsung-Chi YANG, MD</b>	Interventricular Septal Hematoma After Ventricular Septal Defect Repair
Poster 6	<b>Leslie Kim, MD</b>	Protamine-related Non-cardiogenic Pulmonary Edema During Routine Heparin Reversal for Cardiopulmonary Bypass
Poster 7	<b>Patrick Ballman, DO</b>	Bee Sting Unmasking a Pheochromocytoma Requiring Mechanical Circulatory Support



# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 10

Moderator: **Chandrika Garner, MD, FASE**

Poster 1	<b>Richard Beckett-Ansa, MD, PhD</b>	Cardiac Surprises: Discovering an AV Canal Defect in the Context of Subaortic Stenosis
Poster 2	<b>Jonah DeVries, MD</b>	Perioperative Management of Adult Uncorrected Tetralogy of Fallot During Non-Cardiac Surgery
Poster 3	<b>Emmanuel Tito, MD</b>	Unraveling Left Pulmonary Artery Obstruction: The Role of Intraoperative Echocardiography in Evaluating Flow and Flow Patterns
Poster 4	<b>Nicholas Cho, MD</b>	Case of Severe Multifactorial Left Ventricular Outflow Tract Obstruction in a Patient with Prader-Willi Syndrome
Poster 5	<b>William Kim, MD</b>	Intraoperative Discovery and Management of Left Ventricular Thrombus During Cardiopulmonary Bypass: A Case Study
Poster 6	<b>Theodore Trumble, MD</b>	Transesophageal Echocardiography to the Rescue: Diagnosing Transcatheter Aortic Valve Replacement Complication
Poster 7	<b>Krista Koch, DO</b>	Flolid Pulmonary Edema with Ehlers-Danlos? Think Zebras, Not Horses

### KIOSK 11

Moderator: **Anne Hicks, MD**

Poster 1	<b>Stephen Tapia-Ruano, MD</b>	Inferior Vena Cava Stenosis After Orthotopic Heart Transplantation
Poster 2	<b>Kwame Wiredu, MD</b>	Systemic Inflammation and Metabolic Dysregulation after Cardiac Surgery: a pathway to Delirium in the Cognitively Vulnerable Patient
Poster 3	<b>Douglas Nguyen, MD</b>	Viscoelastic Monitoring with Tirofiban and Heparin in Heparin Induced Thrombocytopenia
Poster 4	<b>Dan Mija, MD</b>	ECPella Support of Primary Graft Dysfunction Due to Pre-Operative Antiarrhythmic Use
Poster 5	<b>Jonathan Tran, DO</b>	Love at First Switch: The Trials and Tribulations of the Mustard Atrial Switch Procedure
Poster 6	<b>Grant Fortson, MD</b>	Utility of Transesophageal Echocardiography in Surgical Planning for Removal of Foreign Body Embedded in the Heart
Poster 7	<b>Austin Smith, MD</b>	Repair of Partial Anomalous Pulmonary Venous Return and Atrial Septal Defect with Significant Pulmonary Overcirculation in a 62 Year-Old Male

### KIOSK 12

Moderator: **Edwin Becher, III, MD**

Poster 1	<b>Dillon Patel, MD</b>	Interdisciplinary Management of Sub-Massive Pulmonary Emboli During Pregnancy
Poster 2	<b>Nirav Mathur, MD</b>	Recurrent Left Atrial Dissection Secondary to Poor Tissue Quality
Poster 3	<b>Jane-Frances Aruma, MD</b>	Novel Management of an Acute Type A Aortic Dissection in a Non-Surgical Candidate, Using an Endovascular Ascending Aortic Stent
Poster 4	<b>Kyle Chan, MD</b>	Intraop Placement of AngioVac for Removal of Intracardiac Thrombus on ECMO Post-cardiopulmonary Bypass. A Case Report
Poster 5	<b>Jon Handy</b>	Management of Acute Amlodipine Overdose
Poster 6	<b>Vivian Yen-Xu, MD</b>	Anesthetic Management of a Combined Bilateral Lung Transplantation and Coronary Artery Bypass Graft (CABG)
Poster 7	<b>Bryan Lee, DO</b>	Severe Bioprosthetic Mitral Stenosis Due to Recurrent Bacterial Endocarditis

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 13

Moderator: **Nikolaos Skubas, MD, DSc, FACC, FASE**

Poster 1	<b>Jared Cadogan, DO</b>	Novel Use of a Zenith Dissection Stent for Bail-Out of an Embolized Transcatheter Aortic Valve
Poster 2	<b>Alec Seei, DO</b>	Atrioventricular Groove Disruption Following Redo Mitral Valve Replacement
Poster 3	<b>Mary Dierks, MD</b>	Aorto-Left Atrial Fistula Following Transcatheter Aortic Valve Replacement
Poster 4	<b>Molly Brazil, MD</b>	Left Ventricular Assist Device Placement in the Setting of Pheochromocytoma
Poster 5	<b>Natalie Trojanowski, MD</b>	Neurogenic Shock Following Extrapleural Decortication for Malignant Pleural Mesothelioma
Poster 6	<b>Brandon Eden, MD</b>	Ascending the Final Frontier - Endovascular Repair of an Ascending Aortic Pseudoaneurysm
Poster 7	<b>Joeun Kang, MD</b>	Acute Profound Hypotension and Resuscitation During a Mitral Valve Replacement Surgery

### KIOSK 14

Moderator: **Kayla Knuf, MD**

Poster 1	<b>Rasheed Richards, MD</b>	This Bridge Is Not for the Faint of Heart
Poster 2	<b>Effrosyni Kontari, MD</b>	Challenges in Managing Giant Right Coronary Artery Aneurysm
Poster 3	<b>Ryan Ference, MD</b>	Iatrogenic Ventricular Septal Defect Following Transcatheter Aortic Valve Replacement
Poster 4	<b>Bishir Clayton, MD</b>	Mitral Stenosis Secondary to a Retained Prosthetic Holder Following Mitral Valve Replacement
Poster 5	<b>Phillip Lindsey, MD</b>	Refractory Ventricular Arrhythmias, Critical Life-threatening Hypokalemia, and Cardiogenic Shock in Thyroid Storm: Management and Complications
Poster 6	<b>Susana Arango, MD</b>	The Anesthetic Management of a Pediatric Patient with ACTA2 Mutation During Staged Ascending and Descending Aortic Repair
Poster 7	<b>Andrew Wilsnack, MD</b>	Atrial Embolization of a Transcatheter Mitral Valve

### KIOSK 15

Moderator: **Lavina Kolarczyk, MD**

Poster 1	<b>Matthew Aur, DO</b>	A Patient Who Almost Had a Transcatheter Aortic Valve Replacement
Poster 2	<b>Tracy Oyugi, MD</b>	Challenges of Coagulopathy in an Emergent Cardiac Case Complicated by Recent Ticagrelor Administration
Poster 3	<b>Tyler Karras, DO</b>	Left Ventricular Pseudoaneurysm Rupture During LVAD
Poster 4	<b>Peter Bamikole, MD</b>	Refractory Hypotension in the Setting of Extra-Anatomic Cardiac Shunt upon Initiation of Cardiopulmonary Bypass
Poster 5	<b>Laura Mendez Pino, MD</b>	Bilateral Orthotopic Lung Transplantation in a Patient with Mounier-Kuhn Syndrome
Poster 6	<b>Anna Quinlan, MD</b>	Left Coronary Artery Occlusion Following Transcatheter Aortic Valve Replacement Deployment for Bicuspid Aortic Stenosis
Poster 7	<b>Anthony Barrios, MD</b>	Behind the Curtain: A Subtle Echo Finding Resulting in Revision of an Aortic Valve Replacement

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 16

Moderator: **Brett Wakefield, MD**

Poster 1	<b>Andrew Cottrill, MD</b>	Emergent Surgical Aortic Valve Replacement After Transcatheter Aortic Valve Replacement Valve Embolization into Ascending Aorta
Poster 2	<b>Eric Do, MD</b>	Complex Resection of Invasive Thymoma Requiring Cardiopulmonary Bypass
Poster 3	<b>Brad Bradshaw, MD, MS</b>	Right Atrial Invagination Mimicking Pericardial Effusion During Hybrid Extracorporeal Membrane Oxygenation
Poster 4	<b>Curtis Duncan, MD</b>	Sinus of Valsalva Aneurysm with Rupture into Pulmonary Artery Caused by Infective Endocarditis
Poster 5	<b>Naina Mangalmurti, MD</b>	When Smokey Met Sparky: A Case of Percutaneous LVAD Decommissioning
Poster 6	<b>Jose Bonilla, MD</b>	Mitral Annular Disjunction in Barlow's Mitral Valve Disease - A Case Presentation
Poster 7	<b>Matthew Smyke, MD</b>	Extracellular Matrix Tricuspid Valve Dehiscence in an Adult Patient

### KIOSK 17

Moderator: **Jacques Neelankavil, MD**

Poster 1	<b>Andrew Bartuska, MD</b>	Intra-cardiac Metastatic Melanoma Resulting in near Complete Obstruction of the Left Ventricular Cavity
Poster 2	<b>William Wyatt, MD</b>	Coronary Artery Spasm Following Mitral Valve Replacement
Poster 3	<b>Cheng-Hao Jacky Chen, MD</b>	Transesophageal Echocardiography After Esophageal Variceal Band Ligation
Poster 4	<b>Tarun Ahuja, DO</b>	The Effects of Daratumumab on Blood Screening
Poster 5	<b>Jaimi Philip, MD</b>	Flash Pulmonary Edema Post Mitral Valve Replacement: A Case Report
Poster 6	<b>Amy Hershberger Locke, MD</b>	Retrosternal Thyroid Goiter with Airway Obstruction
Poster 7	<b>Alexander Theodotou, MD</b>	Extralobar Pulmonary Sequestration Treated with Transarterial Embolization Prior to SAVR in an Adult

### KIOSK 18

Moderator: **Jean Santana, MD**

Poster 1	<b>Alan Tran, MD</b>	Persistent Left Superior Vena Cava Syndrome Unique Challenges in Minimally Invasive Cardiac Surgery
Poster 2	<b>Sabrina Antonio, MD</b>	Endocarditis: Only Half Revealed. Explant of a Sapien 3 Edwards Valve in an Alterra Adaptive Presept
Poster 3	<b>Ikanke-abasi James, MD</b>	Suicide Left Ventricle: A Dreaded Complication After Transcatheter Aortic Valve Replacement
Poster 4	<b>Karla Objio, DO</b>	Valve-In-Ring Transcatheter Tricuspid Valve Replacement
Poster 5	<b>Joseph Brooke, MD</b>	The Double-Edged Sword: Andexanet Alpha Administration Post CPB in Aortic Dissection Leading to Intracardiac Thrombosis
Poster 6	<b>Thomas Kyle Ford, MD</b>	Intrathoracic Osteosarcoma Presenting with a Right Atrial Mass and Superior Vena Cava Thrombus

# FELLOW AND RESIDENT ABSTRACTS

## Poster 2 ■ Saturday, April 26 ■ 4:00pm-5:00pm

### KIOSK 19

Moderator: **Bessie Kachulis, MD**

Poster 1	<b>Peter Shehata, DO, MA</b>	Torn Between Two Lives: Managing Acute Type a Aortic Dissection in a Pregnant Patient
Poster 2	<b>Biodun Adeniyi, MD</b>	Awake Cardiopulmonary Bypass in a Patient with Large Right Atrial Myxoma
Poster 3	<b>Nicholas Thompson, MD</b>	Total Aortic Arch Replacement Without Circulatory Arrest or Cardioplegia
Poster 4	<b>Michael Wisniewski, Jr., MD</b>	When Minimally Invasive Procedures Become Maximally Invasive: Dislodged Transcatheter Tricuspid Valve Replacement
Poster 5	<b>Peter Shehata, DO, MA</b>	Unmasking a Surgical and Diagnostic Dilemma: Advanced Intraoperative Echocardiography Reveals a Double-Chambered Left Ventricle
Poster 6	<b>Jadelis Giquel, MD</b>	The Vanishing Act: A Case of a Disappearing Intracardiac Mass
Poster 7	<b>Kyra Rodi, MD</b>	Pulmonary Arterial Hypertension in the Parturient

### KIOSK 20

Moderator: **Angela Pollak, MD**

Poster 1	<b>Emily Nagourney, MD, MSPH</b>	Bilateral Ventriculotomy with Biventricular Assist Device (BiVAD) Insertion as a Bridge To Heart Transplant
Poster 2	<b>Scott Breeden, DO</b>	Intraoperative Complications of Sudden Coronary Artery Dissection (SCAD) in a 39-Year-Old Female Presenting for Mitral Valve Replacement
Poster 3	<b>Sruthi Rangu, MD</b>	Simultaneous Commando Procedure and Orthotopic Liver Transplantation: A Multidisciplinary Surgical Approach
Poster 4	<b>Robert Hawthorne, MD, PhD</b>	Too Much of a Good Thing: Iatrogenic Beta Blocker Toxicity in an Acute Thoracoabdominal Aortic Dissection
Poster 5	<b>Brian Greathouse, MD</b>	You Do Not Belong Here: Cement Embolism After Spine Surgery
Poster 6	<b>Lauren Alexa, MD</b>	Transcatheter Edge-to-Edge Repair for Severe Primary Mitral Regurgitation to Facilitate Liver Transplantation
Poster 7	<b>Jasvir Jaggi, DO</b>	Red Meat, Heparin, and Heart Surgery: Alpha-Gal Syndrome's Triple Challenge

### KIOSK 21

Moderator: **Laura Zung, MD**

Poster 1	<b>Jean-Paul Lamour, MD</b>	Transcatheter Aortic Valve Replacement Complicated by Aortic Root Rupture.
Poster 2	<b>Kabungo Mulumba, MD, MBA</b>	Endovascular Repair of a Large Ruptured Abdominal Aortic Aneurysm Using Monitored Anesthesia Care and General Anesthesia
Poster 3	<b>Ryan Lord, DO</b>	An Unusual Consequence of Pulmonary Arterial Hypertension

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 • Sunday, April 27 • 11:00am-12:00pm

### KIOSK 1

Moderator: **Suwarna Anand, MD, FASA**

Poster 1	<b>Tiffany Luu, MD</b>	Case Report: Post-Cardiopulmonary Bypass Severe Mitral Regurgitation Due to Coronary Vasospasm that Improved with Nitroglycerin
Poster 2	<b>Paul Lecker, III, DO, MBA</b>	Bypassing Severe Heparin Hypersensitivity with Successful Desensitization
Poster 3	<b>Morgan Tyler, MD</b>	A Rare Case: Ruptured Left Sinus of Valsalva Aneurysm Repair
Poster 4	<b>Derek Wilson, MD</b>	Insidious Presentation of Intraoperative Right Ventricular Failure After AngioVac for Right Atrial Thrombus in Transit
Poster 5	<b>Hailie Hayes, MS3</b>	Emergent VV ECMO in a Patient with an Iatrogenic Bronchopulmonary Fistula
Poster 6	<b>Sena Chun, MD</b>	Diagnosis and Management of Acute Bioprosthetic Aortic Valve Thrombus Following HeartMate 3 Left Ventricular Assist Device Placement
Poster 7	<b>Navroop Gill, MD</b>	Intraoperative Diagnosis of Right Ventricular Outflow Tract to Left Ventricular Fistula

### KIOSK 2

Moderator: **Rebecca Aron, MD**

Poster 1	<b>Joseph Zegar, MD, PharmD</b>	Use of Double Simultaneous External Defibrillation for Management of Refractory Ventricular Arrhythmia in a Patient with Morbid Obesity
Poster 2	<b>Sadaf Chaugle, MD</b>	Iatrogenic Ventricular Septal Defect and Laubry-Pezzi Syndrome Following Complex Aortic Root Surgery
Poster 3	<b>Madeline Huber, MD</b>	Acute Hemothorax After Electrophysiology Procedure
Poster 4	<b>Rachel Reindorf, MD, MPH</b>	Recurrent Metastatic Thymoma in a Morbidly Obese Patient Causing Right Atrial Compression and Chronic Hypoxemic Respiratory Failure
Poster 5	<b>Regine Goh, MD</b>	Management of Intra-operative Right Ventricular Primary Graft Dysfunction and Severe Tricuspid Regurgitation in DCD Heart Transplant: A Case Report
Poster 6	<b>Jesse Roberson, MD</b>	Iatrogenic Impingement of Tricuspid Leaflet Leads to Torrential Tricuspid Regurgitation
Poster 7	<b>Olivia Valencia, MD</b>	Managing an Adult with Complex Congenital Heart Disease and Mixed Shock in a Pediatric Hospital

### KIOSK 3

Moderator: **Andra Duncan, MD, MS, FASE**

Poster 1	<b>Gabriele D'Orsi, DO</b>	Acute Stent Thrombosis After Elective Laparoscopic Cholecystectomy 7 Months After Stent Placement for Acute Myocardial Infarction
Poster 2	<b>Nita Tunga, MD</b>	Lifting the Curtain: Resolving Aorto-Mitral Pathology and Multivalvular Challenges
Poster 3	<b>Andrew Voegel-Podadera, MD</b>	Right Coronary Artery Occlusion Following Transcatheter Aortic Valve Replacement
Poster 4	<b>William Pan, MD</b>	Anesthetic Considerations for a Parturient with Prinzmetal Angina
Poster 5	<b>Amal Farouk, MD</b>	Ovarian Jelly In The Atria
Poster 6	<b>Andrew Russell Cheung, DO</b>	Identification of Intravascular Microaxial Pump Associated Aortic Thrombus: the Importance Of A Thorough Transesophageal Echocardiography Exam
Poster 7	<b>Ebin Neduvilil, MD, MS</b>	A Case of Inadequate Myocardial Protection During Reoperative Cardiac Surgery

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 ■ Sunday, April 27 ■ 11:00am-12:00pm

### KIOSK 4

Moderator: **Sawyer Naze, MD**

Poster 1	<b>Dimitrios Kampouris, MD</b>	Administration of Prothrombin Complex Concentrate in Isolated Coronary Artery Bypass Grafting, Use with Caution
Poster 2	<b>Lucy Murray, MD</b>	Polytrauma with Traumatic Tricuspid Valve Rupture
Poster 3	<b>Premal Desai, MD</b>	A Multidisciplinary Team Approach to a High Risk Pulmonary Thromboendarterectomy (PTE)
Poster 4	<b>Paul Park, MD</b>	Bi-Pella as an Alternative to Veno-Arterial Extracorporeal Membrane Oxygenation After Ventricular Septal Defect Repair
Poster 5	<b>Adriana Grossman, MD, MPH, MHA</b>	CABG Management and Public Health Implications of Heparin Allergy Secondary to Acquired Alpha-Gal Syndrome
Poster 6	<b>Kaylee Woodard, MD</b>	Racing Against the Clock: Perioperative Management of Ruptured Sinus of Valsalva Aneurysm and Cardiac Arrest
Poster 7	<b>Jacob Davis, MD</b>	An Air-raising Tale: Air Entrainment During Percutaneous Mechanical Pulmonary Embolectomy on VA-ECMO

### KIOSK 5

Moderator: **McKenzie Hollon, MD, FASE**

Poster 1	<b>Ashley Cowan, DO</b>	Anesthetic Management During Transcatheter Mitral Valve Replacement Utilizing Anterior Leaflet Laceration: A Case of Mitral Stenosis with Prior Complex Surgical History
Poster 2	<b>Prayag Pershad, MD</b>	The Utility of a Bronchial Blocker For Lung Isolation In Setting of Unanticipated Tracheal Injury
Poster 3	<b>Abe-Melek Bekele, DO</b>	Aortic Surgery in a Patient with Hepatic Dysfunction of Unclear Etiology
Poster 4	<b>Kirk Naugher, DO</b>	Dual Coronary Protection with the Basilica Procedure and Chimney Stenting for a High-Risk Valve-in-Valve Transcatheter Aortic Valve Replacement
Poster 5	<b>Madeline Savage, MD</b>	Challenges in the Management of Combined Coronary Artery Bypass Grafting and Liver Transplantation
Poster 6	<b>Madeline Stovall, MD</b>	Veno-Venous ECMO Use for Primary Graft Dysfunction in Lung Transplantation
Poster 7	<b>Steven Eastlack, MD, PhD</b>	Anesthesia During Awake Thoracotomy and TEE Assessment of Malignant Tamponade with Direct Myocardial Tumor Invasion

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 • Sunday, April 27 • 11:00am-12:00pm

### KIOSK 6

Moderator: **Mehran Ebadi-Tehrani, MD**

Poster 1	<b>Shirley Zhang, MD</b>	Anesthetic Management of Aortic Dissection Repair in a 700-Pound Male
Poster 2	<b>Russell Wnek, MD</b>	Tumor Embolization Requiring Emergent Thromboendarterectomy and Partial Lung Resection During Radical Nephrectomy
Poster 3	<b>Christopher Mahrous, MD</b>	Cardiac Myxoma Removal and ASD Repair in Andersen-Tawil Syndrome, Carney Complex and Severe Pectus Excavatum
Poster 4	<b>Alexander Williams, MD</b>	From the Cath Lab to the Operating Room: Managing Multiple Complications During a High-Risk Percutaneous Coronary Intervention
Poster 5	<b>Matt Mahoney, MD</b>	Intraoperative Takotsubo Cardiomyopathy in a Patient Undergoing Orthotopic Liver Transplantation
Poster 6	<b>Tyler Fraga, MD, MS</b>	Anesthetic Considerations for Mediastinal Masses in Noncardiac Surgery
Poster 7	<b>Lillian Liao, MD, MS</b>	Delayed Presentation of Cardiac Tamponade Due to Left Ventricle Perforating Hematoma Following Transcatheter Aortic Valve Replacement

### KIOSK 7

Moderator: **Daniel Emmert, MD, PhD**

Poster 1	<b>Zeja Yu, MD</b>	Hyperglycemia-induced Coronary Artery Vasospasm and Severe Ventricular Dysfunction After Bentall Procedure
Poster 2	<b>Kayla Clodfelter, MD</b>	A Case of Severe Hemodynamic Collapse Due to Suicide Left Ventricle After Transcatheter Aortic Valve Replacement
Poster 3	<b>Chris Capelli, DO</b>	Combined Thoracic Endovascular Aortic Repair and Arch Vessel Debranching for a Zone 3 Aneurysm Requiring Retrograde Aortic Cannulation and Guidewire Passage
Poster 4	<b>Garrett Eakers, MD</b>	Impact of Emergent Pericardial Drainage on Liver Graft Function in Hepatic Hydropericardium
Poster 5	<b>Connor Rudnicki, DO</b>	Mitral Clip with Impella Present in Setting of Active Heparin-induced Thrombocytopenia
Poster 6	<b>Anthony Dao, MD</b>	Cardiac Injury During Laser Lead Extraction: Risk Factors and Management
Poster 7	<b>Jordan Holloway, MD</b>	Early Bioprosthetic Mitral Stenosis Due to Leaflet Fusion in a Low Transvalvular Flow State: VA-ECMO-Induced Gradient Changes and Three-Dimensional Superiority in High-Risk States

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 ■ Sunday, April 27 ■ 11:00am-12:00pm

### KIOSK 8

Moderator: **Hesham Ezz, MD**

Poster 1	<b>Vijai Thomas, DO</b>	Intraoperative Transesophageal Echocardiography in Guiding Clinical Decision-Making During Mitral Valve Repair
Poster 2	<b>Vivien Wong, MD</b>	Acute Left Main Coronary Artery Occlusion Following Surgical Aortic Valve Replacement
Poster 3	<b>Louisa Walker, MD</b>	Management of a Pregnant Patient with Undiagnosed Saddle Pulmonary Embolism Undergoing Non-Cardiac Surgery
Poster 4	<b>Maryna Khromava, MD</b>	Pericardial Tamponade in Patient on Apixaban in Catheterization Laboratory
Poster 5	<b>Bo-Chih Pan, MD</b>	Repeat Aortic Valve Replacements: Considerations and Challenges
Poster 6	<b>Joseph Hezkial, DO</b>	Critical Crossroads: Complex Decision Making in Type a Dissection with Preoperative Stroke and Cardiac Arrest
Poster 7	<b>Jason Hager, MD</b>	Extracorporeal Membrane Oxygenation Utilization for a 28cm Hepatic Tumor Resection

### KIOSK 9

Moderator: **Amanda Kleiman, MD**

Poster 1	<b>Jose Maria Moraes De Souza Junior, MD</b>	Left Main Coronary Artery Occlusion After a Transcatheter Aortic Valve Replacement with BASILICA Procedure
Poster 2	<b>Ryan Valk, MD</b>	From Percutaneous to Surgical: A Case of Urgent MVR for Post-PTMV Acute Severe MR
Poster 3	<b>Steven Pham, DO</b>	Mitral Mystery: Improvement of Regurgitation During Attempted M-TEER Without Deployment
Poster 4	<b>Andrew Burns</b>	Perioperative Management of Iatrogenic Right Ventricular Injury During Pericardiocentesis Leading to Cardiac Arrest
Poster 5	<b>Zachary Rocca, DO</b>	Rescuing Right Ventricular Failure with Hybrid Management of Massive Pulmonary Embolism
Poster 6	<b>Antonia Lin, MD</b>	Incidentally Discovered Patent Ductus Arteriosus in Patient Receiving Aortic Valve Replacement and Mitral Valve Repair
Poster 7	<b>Joshua Raber, MD</b>	Intraoperative Saddle Pulmonary Embolism in a Patient with Renal Cell Carcinoma with Level IV Tumor Thrombus



# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 • Sunday, April 27 • 11:00am-12:00pm

### KIOSK 10

Moderator: **Daniel Tolpin, MD**

Poster 1	<b>Caitlyn Gottwald, MD</b>	Left Ventricular Free Wall Rupture, Cardiac Tamponade, and Right Ventricular Cardiotomy Following Pericardiocentesis in a Patient with Acute Myocardial Ischemia
Poster 2	<b>Heather Cadenhead, MD, FRCPC</b>	Peripartum Extracorporeal Life Support in Decompensated Obstructive Shock
Poster 3	<b>Annie Li, MD</b>	Perioperative Optimization of a Patient with Biventricular Outflow Obstruction Undergoing Non-Cardiac Surgery
Poster 4	<b>Brandon Grayson, MD</b>	Spontaneous Right Ventricular Perforation Following Acute Mediastinitis
Poster 5	<b>Jared Olson, DO</b>	Spontaneous Coronary Artery Dissection in Peripartum: A Case Review
Poster 6	<b>Paul Eapen, MD</b>	Management of Intracardiac Hematoma After Triple-vessel CABG
Poster 7	<b>Michael Berentzen, MD</b>	Mitraclip Matching: Mitigating Mitral Missteps

### KIOSK 11

Moderator: **Adam Miliam, MD, PhD**

Poster 1	<b>Megan Rolfzen, MD</b>	Optimizing Cardiothoracic Surgical Stewardship via Echocardiography in a Resource-limited Setting: A Case Report
Poster 2	<b>Tyler Abarca, MD</b>	Primary Graft Dysfunction During Orthotopic Heart Transplantation in the Setting of Amiodarone Use
Poster 3	<b>Kevin Kong, DO</b>	RVOT Reconstruction in an Adult with Congenital Dual Chamber Right Ventricle
Poster 4	<b>Mia Fatuzzo, MD</b>	Many Mountains to Climb: Ventriculo-atrial Shunt, Atrial thrombus, CTEPH and Multiple Opioid Allergies in a Patient for Pulmonary Thromboendarterectomy
Poster 5	<b>Anna Donovan, MD</b>	Successful Heart Transplantation In a Highly-Sensitized Patient After Desensitization
Poster 6	<b>Naveen Kotha, MD</b>	Morbidity and Mortality of Surgical Aortic Valve Replacement After Transcatheter Aortic Valve Replacement
Poster 7	<b>Sarah Taylor, MD</b>	Open Surgical Repair of Mycotic Aortic Arch Aneurysm

### KIOSK 12

Moderator: **Kan Zhang, MD**

Poster 1	<b>Richard Jordan, MD</b>	Second Time's the Charm: Echocardiographic Guidance of a Transcatheter Closure of an Unroofed Coronary Sinus After the Failed First Attempt
Poster 2	<b>Christine Shen, MD</b>	Right Ventricular Volume Overload in the Setting of a Superior Sinus Venosus Atrial Septal Defect
Poster 3	<b>Chukwuma Azoba, MD</b>	Traumatic Inferior Vena Cava Rupture and Repair
Poster 4	<b>Michael Schultz, DO</b>	Not All Ventricular Septal Defects Created Equally: Impella Bridge to Surgical Repair
Poster 5	<b>Cheng-Hao Jacky Chen, MD</b>	Transesophageal Echocardiography After Esophageal Variceal Band Ligation
Poster 6	<b>Miles McNeir, DO</b>	Outpatient Cryoablation for Lumbar Spondylosis in a Patient with Left Ventricular Assist Device as Destination Therapy
Poster 7	<b>Henry "Sandy" Sanders, DO, MPH</b>	Oxygenator Failure Before Reperfusion in Heart - Lung Transplant

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 ■ Sunday, April 27 ■ 11:00am-12:00pm

### KIOSK 13

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

Poster 1	<b>Thomas Cho, DO</b>	Vancomycin Induced Anaphylaxis During a Bilateral Orthotopic Lung Transplant
Poster 2	<b>Ario Ramezani, DO</b>	Severe Right Heart Failure from Ventricular Septal Defect and Aorto-Pulmonary Fistula as a Complication of Infective Endocarditis
Poster 3	<b>Michael Leary, MD</b>	Tricuspid Valve Lipoma: A Case Report
Poster 4	<b>Jamal Egbaria, MD</b>	Adrenalectomy in a Patient with a Pheochromocytoma and Left Ventricular Ejection Fraction of 4%
Poster 5	<b>Angel Pagan, MD</b>	A Continuum with Consequences: When Emergency ECMO Becomes E-CPR: A Case Report
Poster 6	<b>Muna Oli, MD, MPH</b>	TEE Guidance for Impella Bridge Therapy in Post Myocardial Infarction Ventricular Septal Rupture
Poster 7	<b>Tyler Tupper, MD</b>	Pacemaker Lead Perforation of the Interventricular Septum Resulting in Mitral Valve Injury

### KIOSK 14

Moderator: **Shanna Hill Sykes, MD**

Poster 1	<b>Sara Kaliszak, MD</b>	A Case of Coxiella Burnetti Endocarditis Requiring Combined Multidisciplinary Surgery for Splenectomy and Aortic Valve Replacement
Poster 2	<b>Blaire Lutes, DO</b>	Successful LVAD Implantation in a Patient with Severe Myasthenia Gravis and Complex Comorbidities: A Multidisciplinary Approach
Poster 3	<b>Ye Rin Koh, MD</b>	Anesthetic Considerations for Propionic Acidemia Patients Undergoing Heart Transplantation
Poster 4	<b>Carter Abicht, DO</b>	Coronary Artery Occlusion During Orthotopic Heart Transplantation
Poster 5	<b>Jean Yang, MD</b>	An Uncommon Left Atrial Appendage Membrane in a Jehovah's Witness Undergoing Aortic Valve Replacement: A Rare Case with Unique Surgical Insights
Poster 6	<b>Turki Almutairi, MD</b>	Too Close for Comfort: Implications of Left Circumflex Artery Injury in a Patient Undergoing Mitral Valve Repair
Poster 7	<b>Nirav Mathur, MD</b>	Systolic Anterior Motion of the Mitral Valve Post Heart Transplant Secondary to an Unusual Mechanism

### KIOSK 15

Moderator: **Albert Tsai, MD**

Poster 1	<b>Jennifer Bromwell, DO</b>	Ascending Aortic Rupture with Dissection Secondary to TAVR Injury
Poster 2	<b>Travis Barker, MD</b>	Which to Address First? A Case of a Type a Thoracic Aortic Dissection Complicated by Ischemic Stroke and a Novel Approach to Treatment
Poster 3	<b>Emily Nagourney, MD, MSPH</b>	Disruption of Leadless Pacemaker Positioning During TriClip Placement
Poster 4	<b>Jeric Israel Julian, DO</b>	Perioperative Complication in a Parturient with Aortic Dissection and MYH11 Gene Mutation
Poster 5	<b>Ashfique Nazib, DO</b>	Case Report: Incidental Finding of Aortic Valve Mass via Transesophageal Echocardiogram During Elective Coronary Artery Bypass Graft
Poster 6	<b>Quan Pham, MD</b>	Diffuse Coronary Artery Spasm After Cardiopulmonary Bypass for Aortic Valve Replacement
Poster 7	<b>Allyson Tragesser, MD</b>	Two Tales of "CPP" During Transcatheter Aortic Valve Replacement (TAVR)

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 • Sunday, April 27 • 11:00am-12:00pm

### KIOSK 16

Moderator: **Shanna Hill Sykes, MD**

Poster 1	<b>Afif Kraitem, MD</b>	Assessing Paravalvular Leak in a Prosthetic Mitral Valve: To Reoperate, or Not to Reoperate?
Poster 2	<b>Kayla Robinson, MD, MS</b>	Every Cell Counts! Setting up for Successful LVAD Implantation in Jehovah's Witness Patient
Poster 3	<b>Jay Shah, MD</b>	Excision of Right Atrial Tumor with Complete Superior Vena Cava Obstruction: A Case Report
Poster 4	<b>Jerry Cuenca</b>	Pulmonary Valve Replacement Following Tetralogy of Fallot Repair: Is There a Right Time?
Poster 5	<b>John Wolf, MD</b>	Cerebral Oximetry, Worth the Headache?
Poster 6	<b>Marcus Cluse, MD, MPH</b>	Hemodynamic Rollercoaster During Carotid Body Tumor Resection
Poster 7	<b>Stephen Lockwood, MD</b>	A Case of Left Ventricle Inferior Wall Aneurysm with Thrombus

### KIOSK 17

Moderator: **Ellen Richter, MD, FASE**

Poster 1	<b>Aakash Saxena, DO</b>	Complex Adult Congenital Endocarditis: Heart Transplant Hail Mary
Poster 2	<b>Mohammad Siddiqi, MD</b>	Anesthetic Considerations for a Patient with Fontan Physiology and Pacemaker Malfunction
Poster 3	<b>Brett Wester, MD</b>	Expanding Epicardial Hematoma After CABG
Poster 4	<b>Mark Danila, MD</b>	Severe Disseminated Intravascular Coagulation After Prolonged Cardiopulmonary Bypass Time from Adult Congenital Heart Reconstruction
Poster 5	<b>Vaibhav Murali, MD</b>	Complete Heart Block Triggered by Interbody Disc Space Expansion During Lumbar Spine Surgery
Poster 6	<b>Drew Morgan, MD</b>	Heparin Resistance in the Patient with Multiple Sclerosis: When ATIII Is Not the Answer
Poster 7	<b>Brian Barron, MD</b>	Intraoperative Lead Dislodgement in a Patient with Preferential Left Ventricular Pacing

### KIOSK 18

Moderator: **Stuart Sacks, MD**

Poster 1	<b>Sheddie Gonzalez-Castillo, MD</b>	In the or No One Can Hear You Scream: Resection of a Massive Mediastinal Mass
Poster 2	<b>Charlie Thai, DO</b>	Heart in Crisis: Perioperative Anesthetic Approach to LVAD-Induced Ventricular Perforation
Poster 3	<b>Parthik Patel, MD</b>	Perioperative Management of a Cardiac Surgery Patient on High Dose Buprenorphine-Naloxone
Poster 4	<b>Nicholas Cavanaugh, DO</b>	Valve Sparing Aortic Root Replacement and Pulmonary Homograft Replacement Following Prior Ross Procedure
Poster 5	<b>Kevin Rivera, MD, MA</b>	Evaluation of Intraoperative ST Elevation Myocardial Infarction
Poster 6	<b>Kellen Creech, DO</b>	Opioid Free Anesthesia for Bilateral Lung Transplantation
Poster 7	<b>Ricardo Kaempfen, MD</b>	Resection of Left Atrial Myxoma with Prolapse Through the Mitral Valve

# FELLOW AND RESIDENT ABSTRACTS

## Poster 3 ■ Sunday, April 27 ■ 11:00am-12:00pm

### KIOSK 19 - FR PS3

Moderator: **Louis Saddic, MD, PhD**

Poster 1	<b>Dip Patel, DO</b>	Intraoperative TEE in Radical Nephrectomy with IVC Thrombus
Poster 2	<b>Andrew Sinson, DO, MS</b>	Management of VA ECMO in the Setting of Severe Pulmonary Hypertension and Right Ventricular Injury
Poster 3	<b>Jeffrey Chen, MD</b>	Repair of Partial Anomalous Pulmonary Venous Return and Sinus Venosus Atrial Septal Defect
Poster 4	<b>Subasish Bhowmik, MD</b>	Valve-Sparing Aortic Root Replacement in a Pregnant Patient with Marfan Syndrome
Poster 5	<b>Akaash Sheth, MD</b>	Sorting Through Obstructions to Laminar LV Outflow
Poster 6	<b>Tyler Mattingly, MD</b>	Sub-Valvular Mitral Stenosis Following Mitral Valve Replacement in Patient with a Persistent Left Superior Vena Cava
Poster 7	<b>Kyle Farrell, MD</b>	Robotic Mitral Valve Repair in a Patient with Prior Ante-Sternal Colonic Interposition

### KIOSK 20 - FR PS3

Moderator: **Jennie Ngai, MD**

Poster 1	<b>Rachelle Palmieri-McBride, MD</b>	Spontaneous Coronary Artery Dissection in Pregnancy
Poster 2	<b>San Yoon, MD</b>	Sinus of Valsalva Aneurysm Rupture in the Adult, a Rare Complication
Poster 3	<b>Zachary Miller, DO</b>	Transcatheter Aortic Valve Replacement: When the Valve Decides to Go Rogue
Poster 4	<b>Yen-Yen Gee, MD</b>	When You Can't See the IVC: An Interrupted Inferior Vena Cava with Azygous Continuation
Poster 5	<b>Maria Nanez, MD</b>	Transcatheter Aortic Valve Replacement in a Patient with Bicuspid Aortic Valve Stenosis on Veno-Arterial Extracorporeal Membrane Oxygenation Complicated by Aorto-Right Ventricular Fistula
Poster 6	<b>Blake Primi, MD</b>	The Impact of Cortriatriatum Sinister on Robotic Mitral Valve Surgery
Poster 7	<b>William Dillon, MD</b>	Successful Management of Post-Infarction Ventricular Septal Rupture with Delayed Surgical Intervention

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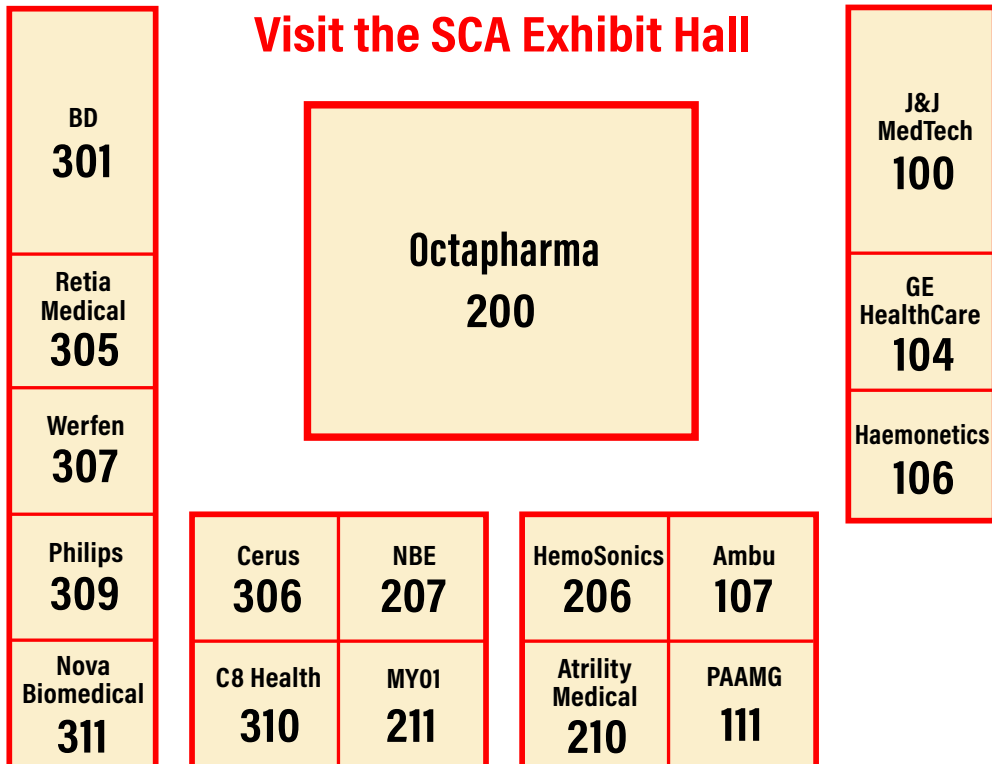
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