

## PRELIMINARY PROGRAM



# SCA 2025

## Annual Meeting & Workshops

**April 26 - 29, 2025**  
Montréal, Canada  
Montréal Convention Center

Content last updated on December 2, 2024.

# SATURDAY, APRIL 26, 2025

## PLENARY SESSION

Saturday, April 26, 2025

8:00 AM - 10:00 AM

### Refresher Course Lectures – Tricuspid, Neuroprot, POCUS, Sustainability

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

Saturday, April 26, 2025

9:00 AM - 12:00 PM

### ECMO Workshop

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

Workshop Speakers: Pierre-Emmanuel Noly, MD, PhD

Workshop Faculty: 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; Audrey Spelde, MD; and Matthew Vanneman, MD, FASE

Saturday, April 26, 2025

9:00 AM - 12:00 PM

### Advanced Perioperative POCUS Workshop

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, Professor, Cardiac Anesthesiologist; Laeben Lester, MD; Chantal Mercier Laporte, MD, MEHP, FRCPC, FASE; Jacques Prince Neelankavil, MD; Sheela Pai Cole, MD, FASE, FASA; Clint Smart, MD; and Walker Thomas, MHPTT, FASE, RDCS

## GENERAL SESSION

Saturday, April 26, 2025

10:30 AM - 12:00 PM

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

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, MD

## GENERAL SESSION

Saturday, April 26, 2025

10:30 AM - 12:00 PM

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

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 the Management of Valvular Heart Disease: What's New in 2025?*

Annemarie Thompson, MD

# SATURDAY, APRIL 26, 2025

## RESEARCH/COR-PM

Saturday, April 26, 2025

10:30 AM - 12:00 PM

### Patient-Centered Outcomes in Cardiovascular Medicine and Surgery

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

*Quality of Life Research Instruments for Patients Undergoing Cardiovascular Procedures*

*Patient-centered Endpoints in Perioperative Clinical Research: StEP and Beyond*

Paul Myles, MD

*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

Saturday, April 26, 2025

11:00 AM - 12:00 PM

Fellow and Resident Posters: Session 1

## PROBLEM-BASED LEARNING DISCUSSIONS WITH LUNCH

Saturday, April 26, 2025

12:00 PM - 1:00 PM

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

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

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

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

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

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

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

Moderators: Amy Babb, MD and Calvin Kuan, MD, FAAP

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

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

## FELLOW/RESIDENT

Saturday, April 26, 2025

1:00 PM - 2:00 PM

Mission Possible

## GENERAL SESSION

Saturday, April 26, 2025

1:00 PM - 2:30 PM

**The Rise of the Machines: The Cardiopulmonary Bypass Snap Chat**

Moderator: Mariya Geube, MD, FASE

*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

## GENERAL SESSION

Saturday, April 26, 2025

1:00 PM - 2:30 PM

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

Moderator: Agnieszka Trzcinka, MD, FASE

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

*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

# SATURDAY, APRIL 26, 2025

## RESEARCH/COR-PM

Saturday, April 26, 2025

1:00 PM - 2:30 PM

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

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

*Essential Basic Science Techniques to Understand Bench Research Studies*

*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

Saturday, April 26, 2025

2:00 PM - 3:30 PM

### Echo Essentials Master Class

## WORKSHOPS

Saturday, April 26, 2025

2:00 PM - 5:00 PM

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

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

Saturday, April 26, 2025

2:00 PM - 5:00 PM

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

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

## GENERAL SESSION

Saturday, April 26, 2025

3:00 PM - 4:30 PM

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

Moderators: Michael Boisen, MD and Jiapeng Huang, MD, PHD, FASA, FASE

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

Harikesh Subramanian, MD MS ABPM-CI DABA

*Artificial Intelligence in Hemodynamic Monitoring & Management*

Tiffany Williams, MD PhD

*Artificial Intelligence in Cardiovascular Ultrasound*

Kirsten Steffner, MD

*Artificial Intelligence in Health Equity*

Yafen Liang, MD

## GENERAL SESSION

Saturday, April 26, 2025

3:00 PM - 4:30 PM

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

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*

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*

TBD

# SATURDAY, APRIL 26, 2025

## RESEARCH/COR-PM

Saturday, April 26, 2025

3:00 PM - 4:30 PM

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

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

*Maximizing Your Chance to Get NIH Funded*

Oluwaseun (Seun) Johnson-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

## FELLOW/RESIDENT

Saturday, April 26, 2025

4:00 PM - 5:00 PM

Fellow and Resident Posters: Session 2

Saturday, April 26, 2025

4:30 PM - 6:30 PM

**WELCOME RECEPTION  
WITH EXHIBITORS  
AND SCA MIXER**



Saturday, April 26, 2025

7:00 PM

**SCA GALA**  
(Ticketed Event)

## FELLOW/RESIDENT

Saturday, April 26, 2025

5:00 PM - 6:30 PM

Fellow and Resident Meet and Greet Session



## PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST

Sunday, April 27, 2025

6:45 AM - 8:00 AM

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

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

**PBLD #14: Perfusion Emergencies**

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

**PBLD #9: Perfusion Emergencies**

Moderators: Gurinder Gill, MD; Jessica Spence, MD, PhD, FRCPC; and Matthew Warner, MD

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

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

**PBLD #16: VAD Emergencies**

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

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

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

## GENERAL SESSION

Sunday, April 27, 2025

8:00 AM - 9:00 AM

**Earl Wynands Lecture**

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

Speaker: Andre Denault, MD PhD

## PLENARY SESSION

Sunday, April 27, 2025

9:00 AM - 10:30 AM

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

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

Sunday, April 27, 2025

9:30 AM - 11:30 AM

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

Workshop Moderator: Karsten Bartels, MD, PhD, MBA

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

Sunday, April 27, 2025

9:30 AM - 12:30 PM

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

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

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

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

## GENERAL SESSION

Sunday, April 27, 2025

11:00 AM - 12:30 PM

### Choosing Successful Strategies in Transplantation - Snapchat Talks

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

## GENERAL SESSION

Sunday, April 27, 2025

11:00 AM - 12:30 PM

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

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

## GENERAL SESSION

Sunday, April 27, 2025

11:00 AM - 12:30 PM

**EACTAIC Presents: Discussion of Leadership**

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

*Women in Leadership: The Challenges and Benefits*

Gabija Valauskaite, MD

*Can Leadership be Learnt? The Subtle Nuances*

Chirojit Mukherjee, MD, PhD, FASE, MBA

*Leadership in Medicine: A Different Ballgame*

Massimiliano Meineri, MD

## FELLOW/RESIDENT

Sunday, April 27, 2025

11:00 AM - 12:00 PM

**Fellow and Resident Posters: Session 3**

## FELLOW/RESIDENT

Sunday, April 27, 2025

12:00 PM - 1:00 PM

**Fellow and Resident Program: Complex Case Presentations "Best in Show"**

## RESEARCH/COR-PM

Sunday, April 27, 2025

12:30 PM - 1:30 PM

**Scientific Program: Poster Session 1**

# SUNDAY, APRIL 27, 2025

## GENERAL SESSION

Sunday, April 27, 2025

1:30 PM - 3:00 PM

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

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*

Heather Hayanga, MD, MPH

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

TBD

## GENERAL SESSION

Sunday, April 27, 2025

1:30 PM - 3:00 PM

**SCA/STS Session: I've Got Noisy Ants in my Pants - The Cardiac Surgical Team**

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

## RESEARCH/COR-PM

Sunday, April 27, 2025

1:30 PM - 3:00 PM

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

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

Sunday, April 27, 2025

1:30 PM - 4:30 PM

**Keys to Success: A Crash Course of Critical ACA Concepts**

## WORKSHOPS

Sunday, April 27, 2025

2:30 PM - 5:30 PM

**3D TEE Workshop**

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

Sunday, April 27, 2025

2:30 PM - 5:30 PM

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

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, MD, FRCA, FRCPC; Stanton Shernan, MD, FAHA, FASE; and Christopher Troianos, MD, FASE, FASA

# SUNDAY, APRIL 27, 2025

## GENERAL SESSION

Sunday, April 27, 2025

3:30 PM - 5:30 PM

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

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

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

Siavosh Saatee, MD Fellowship trained and board certified Cardiac Anesthesiologist

*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

## GENERAL SESSION

Sunday, April 27, 2025

3:30 PM - 5:30 PM

### **Dissecting the Coronary Artery Bypass Controversies**

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

Sunday, April 27, 2025

3:30 PM - 5:30 PM

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

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

## PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST

Monday, April 28, 2025

6:45 AM - 8:00 AM

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

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)**

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

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

Moderators: Diana Anca, MD and Sankalp Sehgal, MD

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

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

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

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

## GENERAL SESSION

Monday, April 28, 2025

7:00 AM - 10:00 AM

**Live Case Discussion: Tricuspid Regurgitation – Complex Isolated Tricuspid REDO Surgery, New Challenges in 2025**

Moderators: Himani Bhatt, DO, MPA, FASE; Marco Julien, MD, FRCPC; and Jean-Sebastien 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*

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

Speakers: Anita Asgar, MD, MSc, FSCAI and 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*

Gina Lingana, MD

# MONDAY, APRIL 28, 2025

*Return of the Endovascular Coronary Sinus Catheter*

Jean-Sebastien Lebon, MD

*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*

Anita Asgar, MD, MSc, FSCAI and Louis-Philippe David, MD

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

Marco Julien, MD, FRCPC

## PLENARY SESSION

**Monday, April 28, 2025**

**8:00 AM - 10:00 AM**

**Anti-coagulation and Hemostasis Challenges in Cardiac Surgery and ICU Patients**

Moderators: Roney 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*

Speakers: David Mazer, MD and Linda Shore-Lesserson, MD, FAHA, FASE, FASA



## WORKSHOPS

Monday, April 28, 2025

9:30 AM - 12:30 PM

### Advanced Perioperative POCUS Workshop

Workshop Moderators: McKenzie Hollon, MD, FASE; Agnieszka Trzcinka, MD, FASE; and Speaker Outstanding

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; Klint Smart, MD; and Walker Thomas, MHPTT, FASE, RDCS

## PLENARY SESSION

Monday, April 28, 2025

10:30 AM - 11:00 AM

### ASA Update

Monday, April 28, 2025

11:00 AM - 12:00 PM

### Keynote Address

Moderator: Kathryn Glas, MD, MBA

Monday, April 28, 2025

12:00 PM - 12:30 PM

### Business Meeting & Awards

## RESEARCH/COR-PM

Monday, April 28, 2025

12:30 PM - 1:30 PM

### Scientific Program: Poster Session 2

# MONDAY, APRIL 28, 2025

## GENERAL SESSION

Monday, April 28, 2025

1:30 PM - 3:30 PM

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

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!*

TBD

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

Daryl Oakes, MD

Monday, April 28, 2025

1:30 PM - 3:30 PM

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

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!*

Anita Asgar, MD, MSc, FSCAI

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

Charles Nyman, MBBCh

## GENERAL SESSION

Monday, April 28, 2025

1:30 PM - 3:30 PM

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

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

## GENERAL SESSION

Monday, April 28, 2025

3:45 PM - 5:45 PM

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

Moderator: 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*

Alina Nicoara, MD, FASE

# MONDAY, APRIL 28, 2025

## GENERAL SESSION

Monday, April 28, 2025

3:45 PM - 5:45 PM

### **Navigating the Opioid Crisis in Cardiothoracic Surgery**

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

*History of Opioids and Cardiac Anesthesia*

TBD

*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*

Michael Conrad Grant, MD

*Opioid Stewardship Initiatives and the Cardiothoracic Anesthesiologist*

TBD

## GENERAL SESSION

Monday, April 28, 2025

3:45 PM - 5:45 PM

### **Super Echo**

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

## RESEARCH/COR-PM

Monday, April 28, 2025

3:45 PM - 5:45 PM

### **Best of Meeting Oral Abstracts: Session 2**

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

## PROBLEM-BASED LEARNING DISCUSSIONS WITH BREAKFAST

Tuesday, April 29, 2025

6:45 AM - 8:00 AM

**PBLD #23: Sedation for High-risk Patients: The ABCs of Avoiding Disaster**

Moderators: Amy Duhachek-Stapelman, MD and Laeben Lester, MD

**PBLD #24: Complications in the ICU: Preventing Afib, Coagulopathy and AKI**

Moderators: Megan Kostibas, MD

**PBLD #25: Taking the Mystery Out of the Mitral Valve**

Moderators: Burkhard Mackensen, MD, PhD, FASE, FSCAI and Alina Nicoara, MD, FASE

**PBLD #26: Pulmonary Thromboendarterectomy Pearls and Pitfalls**

Moderators: Draginja Cvetkovic, MD and Timothy Maus, MD, FASE

**PBLD #27: My Patient Is on ECMO, Now What? Ask the Exp**

Moderators: Ashley Budd, MD and Jacob Gutsche, MD

## GENERAL SESSION

Tuesday, April 29, 2025

8:00 AM - 10:00 AM

**Live Case Discussion: Advanced Surgery for Aortic Valve Insufficiency**

Moderators: Himani Bhatt, DO, MPA, FASE and Marie-Eve Chamberland, MD

*Case Presentation: Isolated Aortic Insufficiency*

TBD

*Intraoperative TEE Evaluation for Aortic Valve Repair*

Georges Desjardins, 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 MSc; Marie-Eve Chamberland, MD; and Amine Mazine, MD, PhD

*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 and Georges Desjardins, MD

## GENERAL SESSION

Tuesday, April 29, 2025

8:00 AM - 10:00 AM

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

Moderators: Dalia Banks, MD and Reed Harvey, MD

*Echocardiographic Assessment of RV*

Alina Nicoara, MD, FASE

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

Andra Duncan, MD, MS

*Anesthesia for Pulmonary Thromboendarterectomy*

Timothy Maus, MD, FASE

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

Andre Denault, MD PhD

## GENERAL SESSION

Tuesday, April 29, 2025

8:00 AM - 10:00 AM

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

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

## WORKSHOPS

Tuesday, April 29, 2025

9:00 AM - 12:00 PM

### 3D TEE Workshop

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, MBBCh

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

## GENERAL SESSION

Tuesday, April 29, 2025

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

Jacob Raphael, MD, FAHA

*Caring for the Kidney in the ICU*

Andrew Shaw, MB, FRCA, FRCPC

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

Amanda Kleiman, MD

## GENERAL SESSION

Tuesday, April 29, 2025

10:30 AM - 12:00 PM

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

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

## RESEARCH/COR-PM

Tuesday, April 29, 2025

12:00 PM - 1:00 PM

Scientific Program: Poster Session 3

## GENERAL SESSION

Tuesday, April 29, 2025

1:00 PM - 2:30 PM

**Keeping Up with The EP Lab**

Moderators: Dalia Banks, MD

*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*

Swanpnil Khoche, MD

## GENERAL SESSION

Tuesday, April 29, 2025

1:00 PM - 2:30 PM

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

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*

Cardiac Surgery

Promise Ariyo, MD MPH

*Can They Do That? - Why CPT Codes May Change Your Practice*

Gordon Morewood, MD, MBA, FASE, FASA



## GENERAL SESSION

Tuesday, April 29, 2025

1:00 PM - 2:00 PM

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

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

Tuesday, April 29, 2025

2:30 PM - 4:00 PM

### Aortic Disasters and Rescues

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

## GENERAL SESSION

Tuesday, April 29, 2025

2:30 PM - 4:00 PM

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

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

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

Natalia Girardi, MD

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

Sivosh Saatee, MD

*ECPR - Exploration of Recent Clinical Trial Data*

Jai Madhok, MD

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

Audrey Spelde, MD

## PLENARY SESSION

Tuesday, April 29, 2025

4:00 PM - 5:30 PM

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

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*

Alina Nicoara, MD, FASE

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