

PRELIMINARY PROGRAM



SCA 2025

Annual Meeting & Workshops

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

Content last updated on February 12, 2025.

SATURDAY, APRIL 26, 2025

BREAKFAST

6:45 AM - 8:00 AM

PLENARY SESSION

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

9:00 AM - 12:00 PM

ECMO Workshop

Extracorporeal membrane oxygenation (ECMO) has evolved from a salvage therapy of last resort to a cornerstone of life support therapy in patients with cardiopulmonary failure. Cardiovascular anesthesiologists frequently are involved in the complex care of adult ECMO patients in both the operating room and intensive care unit. In this workshop, participants will cover many aspects of contemporary ECMO care, including program development and staffing, circuitry, cannulation basics, and troubleshooting of common problems. The session will end with an interactive group discussion of complex cases.

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

Advanced Perioperative POCUS Workshop

This expert-led workshop is centered on the basics of transthoracic echocardiography (TTE). In addition to cardiac evaluation, the workshop will cover the use of lung ultrasound, vascular access, shock states, as well as the FAST (Focused Assessment with Sonography in Trauma) protocol. Special emphasis is placed on clinical applications of these techniques, as well as tips and tricks for image acquisition of these various modalities of PoCUS.

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

COFFEE BREAK

10:00 AM - 10:30 AM

GENERAL SESSION

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, Jr., MD

SATURDAY, APRIL 26, 2025

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

RESEARCH/COR-PM

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

Detlef Obal, MD, PhD, DESA

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

11:00 AM - 12:00 PM

Fellow and Resident Posters: Session 1

LUNCH ON YOUR OWN

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

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

1:00 PM - 2:00 PM

Echo Essentials Master Class

GENERAL SESSION

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

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

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

1:00 PM - 2:30 PM

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

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

Fellow and Resident Program: Case-based

COFFEE BREAK

2:30 PM - 3:00 PM

WORKSHOPS

2:00 PM - 5:00 PM

Advanced TEE Workshop: Advanced Echo Modalities for Practical Use

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

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

In this hands-on workshop, participants will be introduced to the most up-to-date regional anesthesia techniques in cardiothoracic surgery. This expert-led workshop centers on the basics of chest wall innervation, regional anesthesia techniques for various surgical approaches, advanced strategies for ultrasound image optimization, and understanding the best practices for patient safety. Participants will get first-hand experience in imaging for cardiothoracic anesthesiology-relevant regional techniques including tips on how to improve ultrasound guidance of these fascial plane blocks and will be given the tools to incorporate regional anesthesia into their future practice.

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

Workshop Faculty: Alexander Gregory, MD FRCPC; 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

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 and Management

Tiffany Williams, MD PhD

Artificial Intelligence in Cardiovascular Ultrasound

Kirsten Steffner, MD

Artificial Intelligence in Health Equity

Yafen Liang, MD

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

Michael Eaton, MD

RESEARCH/COR-PM

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 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

4:00 PM - 5:00 PM

Fellow and Resident Posters: Session 2

Saturday, April 26, 2025

4:30 PM - 6:30 PM

SCA NETWORKING EVENT AND WELCOME RECEPTION WITH EXHIBITORS



Saturday, April 26, 2025

7:00 PM

SCA GALA (Ticketed Event)

FELLOW/RESIDENT

5:00 PM - 6:30 PM

Fellow and Resident Meet and Greet Session

SUNDAY, APRIL 27, 2025

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

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: HOCLM and the Laboring Parturient

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

BREAKFAST WITH EXHIBITORS

7:00 AM - 8:00 AM

PLENARY SESSION

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

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 Alfircic, 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

Exciting new workshop this year hosted by Anesthesia and Analgesia editors. They will personally work with participants to guide them in how to do peer review for journal articles. This workshop provides tips and tricks from the editors themselves on ways to jumpstart your career and is open to fellows and SCA members at all levels of experience. Small group with personal attention, so sign up soon!

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

Structural Heart and Electrophysiology Workshop: Ensuring Success in the Lab

This new workshop will explore the latest technologies of the Electrophysiology and Structural Heart lab in an interactive, hands-on format. You will learn about the newest TAVI and valve device clip technology along with techniques to refine TEE guidance. Experts will take you step-by-step through the most harrowing ICD lead extraction cases and how to manage the worst complications. You will also take a deep dive into the latest structural heart studies to understand interventional and surgical decision making.

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

COFFEE BREAK WITH EXHIBITORS

10:30 AM - 11:00 AM

GENERAL SESSION

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

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

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

11:00 AM - 12:00 PM

Fellow and Resident Posters: Session 3

12:00 PM - 1:00 PM

Fellow and Resident Program: Complex Case Presentations “Best in Show”

RESEARCH/COR-PM

12:30 PM - 1:30 PM

Scientific Program: Poster Session 1

LUNCH BREAK WITH EXHIBITORS

12:30 PM - 1:30 PM

GENERAL SESSION

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

Seema Deshpande, MBBS, FASA

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

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 MICO R 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

WORKSHOPS

2:30 PM - 5:30 PM

3D TEE Workshop

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

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: Andrej Alfircvic, MD; Marie-Eve Chamberland, MD; Abimbola Faloye, MD, FASE, FASA; Marco Julien, MD, FRCPC; and 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

This unique, interactive workshop will integrate expertise from both the academic and business worlds to help SCA members navigate and succeed in both the academic and private practice landscape, with the goal of fostering future leaders. Specifically, attendees will work on skill development in networking, mentorship, negotiation, and presentation. Take-home lessons include how to perfect the “elevator pitch,” cultivate healthy mentor and sponsor relationships, negotiate for time and compensation, and create and deliver an effective presentation.

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

3:00 PM - 3:30 PM

GENERAL SESSION

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

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

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

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

BREAKFAST WITH EXHIBITORS

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

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

Jean-Sebastien Lebon, MD, FRCPC, BPharm

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

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

MONDAY, APRIL 28, 2025

Endovascular Aortic Clamping – Clinical Use and TEE Positioning

Regina Lingana, 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

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

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

WORKSHOPS

9:30 AM - 12:30 PM

Advanced Perioperative POCUS Workshop

This expert-led workshop is centered on the basics of transthoracic echocardiography (TTE). In addition to cardiac evaluation, the workshop will cover the use of lung ultrasound, vascular access, shock states, as well as the FAST (Focused Assessment with Sonography in Trauma) protocol. Special emphasis is placed on clinical applications of these techniques, as well as tips and tricks for image acquisition of these various modalities of PoCUS.

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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

COFFEE BREAK WITH EXHIBITORS

10:00 AM - 10:30 AM

PLENARY SESSION

10:30 AM - 11:00 AM

ASA Update

Donald Arnold, MD, FACHE, FASA

11:00 AM - 12:00 PM

Keynote Address: The Importance of Physician Leadership for Today's Healthcare Challenges

Moderator: Kathryn Glas, MD, MBA

Speaker: Christopher Troianos, MD, FASE, FASA

12:00 PM - 12:30 PM

Business Meeting and Awards

LUNCH WITH EXHIBITORS

12:30 PM - 1:30 PM

RESEARCH/COR-PM

12:30 PM - 1:30 PM

Scientific Program: Poster Session 2

GENERAL SESSION

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!

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!

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, MBCh

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

COFFEE BREAK

3:30 PM - 3:45 PM

GENERAL SESSION

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

Ingrid Moreno-Duarte, MD

GENERAL SESSION

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

Glenn Gravlee, 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

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

RESEARCH/COR-PM

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

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

BREAKFAST

7:00 AM - 8:00 AM

GENERAL SESSION

8:00 AM - 10:00 AM

Live Case Discussion with the Montreal Heart Institute Team: Advanced Surgery for Aortic Valve Insufficiency

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

Case Presentation: Isolated Aortic Insufficiency

Edward Lowenstein, MD

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 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 and Georges Desjardins, MD

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

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

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

9:00 AM - 12:00 PM

3D TEE Workshop

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

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, MBCh

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

COFFEE BREAK

10:00 AM - 10:30 AM

GENERAL SESSION

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

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

LUNCH ON YOUR OWN

12:00 PM - 1:00 PM

RESEARCH/COR-PM

12:00 PM - 1:00 PM

Scientific Program: Poster Session 3

GENERAL SESSION

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

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

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

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 SESSION

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

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

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

Annette Vegas, MD, FRCPC, FASE

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