

Perioperative Care Congress 2025 | Program

Friday November 7, 2025

Research competition

15:45-16:00 Welcome and opening remarks: Dr Emmanuelle Duceppe, Medicine, University of Montreal

16:00-17:00 Trainees, Residents, and Fellow

1. Cody Tran
Presentation 16:00-16:07
Questions 16:07-16:09

Melatonin use for perioperative sedation and analgesia: A survey of Canadian perioperative care providers
McMaster University, Hamilton (ON), Canada
2. Francesca Mulazzani
Presentation 16:10-16:17
Questions 16:17-16:19

Type of anesthesia, hemodynamics and myocardial injury after hip fracture surgery: a pooled analysis of the HIP ATTACK trial and VISION cohort study
University of Milano-Bicocca, Milan, Italy
3. Renee Fournier
Presentation 16:20-16:27
Questions 16:27-16:29

Temperature Management in Adult Cardiac Surgery: A prospective Cohort Sub-Study of the TheRAPy Trial
McMaster University, Hamilton (ON), Canada
4. Shirley Fan
Presentation 16:30-16:37
Questions 16:37-16:39

Perioperative Outcomes in Adult Surgical Patients on GLP-1 Receptor Agonists: A Systematic Review of Randomized Controlled Trials and Observational Studies
Western University, London (ON), Canada
5. Mutaz Mohamed
Presentation 16:40-16:47
Questions 16:47-16:49

Postoperative outcomes associated with preoperative oral hygiene in elective surgery: a systematic review and meta-analysis
McMaster University, Hamilton (ON), Canada
6. Varun Jain
Presentation 16:50-16:57
Questions 16:57-16:59

Perioperative Activity and Postoperative Complication Risk Following Lower Limb Arthroplasty: Retrospective Analysis from the All of Us Research Program
McMaster University, Hamilton (ON), Canada

17:10-18:00 **Early and mid-career**

1. Adam Komorowski Prevention of Infections in Cardiac Surgery study (PICS): a pragmatic cluster-randomized factorial crossover trial
Presentation 17:12-17:19 *McMaster University, Hamilton (ON), Canada*
Questions 17:19-17:21
2. Lambert Heatlie Patient experiences with perioperative glucose management: A mixed-method investigation
Presentation 17:22-17:29 *University of Calgary, Calgary (AB), Canada*
Questions 17:29-17:31
3. Micheal Prystajecy Evaluation of a Provincial Multidisciplinary Preoperative Assessment Pathway
Presentation 17:32-17:39 *University of Saskatchewan, Saskatoon (SA), Canada*
Questions 17:39-17:41
4. Micheal Wang Preoperative and postoperative inflammatory biomarkers to predict one-year adverse cardiovascular outcomes after noncardiac surgery
Presentation 17:42-17:49 *McMaster University, Hamilton (ON), Canada*
Questions 17:49-17:51

18:00-18:10 Closing remarks: Dr. Flavia Borges, Perioperative Care, McMaster University

18:10-19:00 **Welcome reception and e-poster presentation in the breakroom (Session A)**

Saturday November 8, 2025

08:00-08:10 Opening Remarks: Dr. PJ Devereaux, Medicine, McMaster University, Hamilton, Ontario, Canada

Session 1: Perioperative Bleeding

- 08:10-08:15 *Moderators: Drs. Deborah Siegal, Medicine, University of Ottawa and Rahima Nenshi, General Surgery, McMaster University*
- 08:15-08:27 Late-Breaking Trial Presentation – TRACTION: a cluster randomised trial to evaluate tranexamic acid in major noncardiac surgery: Ryan Zarychanski, Critical Care, University of Manitoba
- 08:27-08:35 Questions

- 08:40-08:50 Effects of perioperative aspirin across the range of kidney function in noncardiac surgery: POISE-2 substudy: Dr. Pavel Roshanov, Nephrology, Western University
- 08:50-08:55 Questions
- 09:00-09:12 Late-Breaking Trial Presentation – PRICE-2: a randomized controlled trial of hypovolemic phlebotomy in patients undergoing liver resection: Dr. Guillaume Martel, Surgery, University of Ottawa
- 09:12-09:20 Questions
- 09:25-09:35 Safety and efficacy of tranexamic acid in general surgery: A POISE-3 substudy: Dr. PJ Devereaux, Medicine, McMaster University
- 09:35-09:40 Questions
- 09:45-9:55 Effects of tranexamic acid in patients undergoing urologic procedures: Dr. Kari Tikkinen, Department of Urology, University of Helsinki and Helsinki University Hospital, Finland
- 9:55-10:00 Questions
- 10:05-10:15 Debate: Be it resolved that adults undergoing inpatient liver resection surgery should receive tranexamic acid.
Moderator: Donald Redelmeier, University of Toronto
Pro: P.J. Devereaux, Perioperative Care, McMaster University
Con: Paul Karanicolas, Surgery, University of Toronto

10:20-10:40 Break

Session 2: Cardiac Surgery

- 10:40-10:45 *Moderators: Drs. Iqbal Jaffer, Surgery, McMaster University and Richard Whitlock, Surgery, McMaster University*
- 10:45-10:55 Guideline recommendations and what is best for patients regarding management of GLP-1 agonists around the time of surgery: Dr. Su-Yin MacDonell, Anesthesiology, Vancouver, University of British Columbia
- 10:55-11:00 Questions
- 11:05-11:15 Perioperative complications and relationship to 30-day and 1-year mortality after cardiac surgery: The VISION Cardiac Surgery Study: Dr. Andre Lamy, Surgery, McMaster University
- 11:15-11:20 Questions

- 11:25-11:35 The impact of a restrictive versus liberal benzodiazepine cardiac anesthesia on perioperative delirium: The results from a large cluster crossover trial – The B-Free Trial: Dr. Jessica Spence, Anesthesiology, McMaster University
- 11:35-11:40 Questions
- 11:45-11:55 Management of atrial fibrillation after cardiac surgery: Dr. Emilie Belley-Côté, Medicine, McMaster University
- 11:55-12:00 Questions
- 12:05-12:25 Chain Reaction: Should anesthesiology, perioperative care, and surgery move away from individual parallel group randomized controlled trials and move towards cluster-crossover randomized clinical trials
Drs. Ryan Zarychanski, Critical Care, University of Manitoba; Deborah Siegal, Thrombosis, University of Ottawa; Jessica Spence, Anesthesiology, McMaster University.

12:30-13:30 Lunch

Session 3: Perioperative Neurocognitive Outcomes

- 13:30-13:35 *Moderators: Drs. Emmanuelle Duceppe, Medicine, University of Montreal and Su-Yin MacDonell, Anesthesiology, University of British Columbia*
- 13:35-13:45 Preoperative and postoperative cognitive trajectories: The Co-TELE-SURGE study: Dr. Maram Khaled, McMaster University
- 13:45- 13:50 Questions
- 13:55-14:05 The relationship between preoperative patent foramen ovale and perioperative ischemic stroke: Dr. Matthias Eikermann, Anesthesiology, Montefiore Medical Center and Albert Einstein College of Medicine, Bronx, New York, United States
- 14:05-14:10 Questions
- 14:15-14:30 Campfire session: who and how to screen for perioperative covert stroke after non-cardiac surgery: Drs. Dr. P.J. Devereaux, Perioperative Care, McMaster University; Gabriel Dion, Medicine, University of Montreal; Raed Joundi, Neurology, McMaster University
- 14:30-14:35 Questions
- 14:40-14:50 Covert stroke after neurosurgery: Results of the PRECISION study: Dr. Yuming Peng, Beijing Tiantan Hospital, Beijing, China

14:50-15:10 Break

Session 4: Perioperative monitoring

15:10-15:15 Moderators: Drs Wojciech Szczeklik, Anesthesiology, Critical Care, Jagiellonian University Medical College, Krakow, Poland and Jordan Leitch, Anesthesiology, Queen's University, Kingston, Ontario, Canada

15:15-15:25 Perioperative management of SGLT-2 inhibitors: Dr. Emmanuelle Duceppe, Medicine, University of Montreal

15:25-15:30 Questions

15:35-15:45 Point-of-care assessments for post-induction hypotension: Dr. James Khan, Anesthesiology, University of Toronto

15:45-15:50 Questions

15:55-16:05 Value of preoperative troponin measurement in patients with a hip fracture: Dr. Flavia Borges, Perioperative Care, McMaster University

16:05-16:10 Questions

16:15-16:25 Cardiac output-guided haemodynamic therapy for patients undergoing major gastrointestinal surgery: OPTIMISE II randomised clinical trial: Dr. Mark Edwards, Anesthesiology, Southampton General Hospital, United Kingdom

16:25-16:30 Questions

16:35-16:45 Impact of continuous and wireless monitoring of vital signs compared to intermittent monitoring or surgical floors: Dr. Sandra Ofori, Perioperative Care, McMaster University

16:45-16:50 Questions

16:55-17:05 Video Laryngoscopy vs Direct Laryngoscopy for Endotracheal Intubation in the Operating Room - A Cluster Randomized Clinical Trial: Dr. Kurt Ruetzler, Anesthesiology, Austria

17:05-17:10 Questions

17:15-17:25 Summary and wrap up: Dr. Emmanuelle Duceppe

17:35-18:30 e-poster presentation (Session B)

For any attendees interested, we will provide a tour and demonstration of our local surgical transitions laboratory, which enables us to actively manage patients discharged from the hospital after surgery via virtual care and remote automated monitoring of vital signs. Transportation is provided.

17:45–18:45 Tour of the PROTECT Laboratory at the Juravinski Hospital and Cancer Centre
699 Concession St., Hamilton, ON L8V 5C2

Sunday November 9, 2025

Session 5: Perioperative Drug Management

08:30-08:35 *Moderators: Drs Sandra Ofori and Flavia Borges, Perioperative Care, McMaster University*

08:35-08:45 Continuation vs discontinuation of renin-angiotensin system inhibitors before major noncardiac surgery: the Stop-or-Not Randomized Clinical Trial: Dr. PJ Devereaux, Perioperative Care, McMaster University

08:45-08:50 Questions

08:55-09:05 Fireside Chat: Putting results of POISE-3 and Stop-or-Not into context regarding management of chronic renin-angiotensin system inhibitors around the time of surgery: Drs. Flavia Borges, Perioperative Care, McMaster University (moderator); Pavel Roshanov, Nephrology, Western University; Francois-Martin Carrier, Anesthesiology, University of Montreal

09:05-09:10 Questions

09:15-09:25 How is myocardial injury after non-cardiac surgery managed: Dr. Maura Marcucci, Medicine, Humanitas University & IRCCS Humanitas Research Hospital, Milan, Italy

09:25-09:30 Questions

09:30-09:50 Break

Session 6: Hotline Sessions at the 2025 PCC

09:50-09:55 *Moderators: Drs PJ Devereaux, Perioperative Care, McMaster University and Drs. Juan Cata, Anesthesiology, University of Texas MD Anderson Cancer Center, Houston, Texas, US*

- 09:55-10:07 Late-Breaking Trial Presentation – PREVENT MINS Trial: Effect of ivabradine versus placebo on myocardial injury after non-cardiac surgery (MINS) in patients undergoing non-cardiac surgery: Wojciech Szczeklik, Anesthesiology, Critical Care, Jagiellonian University Medical College, Krakow, Poland
- 10:07-10:15 Questions
- 10:20-10:30 Late-Breaking Trial Presentation - PREVENT MINS Trial: additional results on MINS: Dr. Zbigniew Putowski, Anesthesiology, Krakow, Poland
- 10:30-10:35 Questions
- 10:40-10:52 The new 6th generation high-sensitivity troponin T identifies increased risk of perioperative mortality and major cardiovascular events in noncardiac surgery. A VISION substudy: Dr. Flavia Borges, Perioperative Care, McMaster University
- 10:52-11:00 Questions
- 11:05-11:17 Late-Breaking Trial Presentation – PVC-RAM-3: Effects of virtual care with remote automated monitoring in patients undergoing non-cardiac surgery with an expected length of hospital stay ≤ 3 days: Dr. Michael McGillion, Nursing, McMaster University
- 11:17-11:25 Questions

11:25-11:40 Break

Session 7: Prehabilitation, Chronic Postoperative Pain after Same-Day Surgery, Risk Factors for Readmission After Non-Cardiac Surgery

- 11:40-11:45 *Moderators: Drs. Juan Cata, Anesthesiology, University of Texas MD Anderson Cancer Center, Houston, Texas, US and Vikas Tandon, Perioperative Care, McMaster University*
- 11:45-11:55 Efficacy of prehabilitation interventions and their components: Systematic review with network and component network meta-analysis of randomized controlled trials: Chelsia Gillis, Nutrition, School of Human Nutrition, McGill University
- 11:55-12:00 Questions
- 12:05-12:15 Incidence and risk factors of chronic postoperative pain in same-day surgery: Dr. Emmanuelle Duceppe, Medicine, University of Montreal
- 12:15-12:20 Questions

12:25-12:35 Which patients are high-risk for 30-day readmission after non-cardiac surgery and warrant enhanced follow-up: Dr. Michael McGillion, Nursing, McMaster University

12:35-12:40 Questions

Session 8: Awards, feedback, and closing comments

12:40-12:55 Research Competition and Society Awards: Drs. Emmanuelle Duceppe, Medicine, University of Montreal and PJ Devereaux, Perioperative Care, McMaster University

12:55-13:00 Feedback and Closing Comments: Drs, Flavia Borges, Perioperative Care, McMaster University and Emmanuelle Duceppe, Medicine, University of Montreal

13:00-14:00 **Tour of the PROTECT Laboratory at the Juravinski Hospital and Cancer Centre**
699 Concession St., Hamilton, ON L8V 5C2