

Perioperative Care Congress 2025 | Program

Friday November 7, 2025

Session 1: Research competition

- 15:45-16:00 Welcome and opening remarks
- 16:00-17:00 Trainees, Residents, and Fellow research competition
- 17:00-17:45 Early and mid-career research competition
- 17:45-18:00 Closing remarks
- 18:00 Welcome reception
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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, Ontario, Canada and Rahima Nenshi, General Surgery, McMaster University, Hamilton, Ontario, Canada*
- 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, Winnipeg, Manitoba, Canada
- 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, London, Ontario, Canada
- 08:50-09:00 Questions

- 09:05-09:17 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, Canada
- 09:17-09:25 Questions
- 09:30-09:40 Safety and efficacy of tranexamic acid in general surgery: A POISE-3 substudy: Dr. Lily Park, Surgery, McMaster University, Hamilton, Ontario, Canada
- 09:40-09:45 Questions
- 09:50-10:00 Effects of tranexamic acid in patients undergoing urologic procedures: Dr. Kari Tikkinen, Department of Urology, University of Helsinki and Helsinki University Hospital, Helsinki, Finland
- 10:00-10:05 Questions
- 10:10-10:20 Debate: Be it resolved that adults undergoing inpatient liver resection surgery should receive tranexamic acid.
Moderator: Donald Redelmeier, University of Toronto, Toronto, Ontario, Canada
Pro: P.J. Devereaux, Perioperative Care, McMaster University, Hamilton, Ontario, Canada
Con: Paul Karanicolas, Surgery, University of Toronto, Toronto, Ontario, Canada

10:20-10:40 Break

Session 2: Cardiac Surgery

- 10:40-10:45 *Moderators: Drs. Iqbal Jaffer, Surgery, McMaster University, Hamilton, Ontario, Canada and Richard Whitlock, Surgery, McMaster University, Hamilton, Ontario, Canada*
- 10:45-10:55 Guideline recommendations and what is best for patients regarding management of GLP-1 inhibitors around the time of surgery: Dr. Su-Yin MacDonell, Anesthesiology, Vancouver, University of British Columbia, British Columbia, Canada
- 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, Hamilton, Ontario, Canada and Austin Browne, Population Health Research Institute, Hamilton, Ontario, Canada
- 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, Hamilton, Ontario, Canada
- 11:35-11:40 Questions
- 11:45-11:55 Management of atrial fibrillation after cardiac surgery: Dr. Emilie Belley-Côté, Medicine, McMaster University, Hamilton, Ontario, Canada
- 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, Winnipeg, Manitoba, Canada; Deborah Siegal, Thrombosis, University of Ottawa, Ottawa, Ontario, Canada; Jessica Spence, Anesthesiology, McMaster University, Hamilton, Ontario, Canada; Alben Sigamani, Bangalore, India

12:30-13:30 Lunch

Session 3: Perioperative Neurocognitive Outcomes

- 13:30-13:35 *Moderators: Drs. Emmanuelle Duceppe, Medicine, University of Montreal, Montreal, Quebec, Canada and Su-Yin MacDonell, Anesthesiology, University of British Columbia, Vancouver, British Columbia, Canada*
- 13:35-13:45 Covert stroke after neurosurgery: Results of the PRECISION study: Dr. Yuming Peng, Beijing Tiantan Hospital, Beijing, China
- 13:45- 13:50 Questions
- 13:55-14:05 Preoperative and postoperative cognitive trajectories: The Co-TELE-SURGE study: Dr. Maram Khaled, McMaster University, Hamilton, Ontario, Canada
- 14:05-14:10 Questions
- 14:15-14:25 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
- 14:25-14:30 Questions

14:35-14:50 Campfire session: who and how to screen for perioperative covert stroke after non-cardiac surgery: Drs. Dr. P.J. Devereaux, Perioperative Care, McMaster University, Hamilton, Ontario, Canada; Gabriel Dion, Medicine, University of Montreal, Montreal, Quebec, Canada; Mike Sharma, Neurology, McMaster University, Hamilton, Ontario, Canada.

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*

15:15-15:27 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, Hamilton, Ontario, Canada.

15:27-15:35 Questions

15:40-15:50 Point-of-care assessments for post-induction hypotension: Dr. James Khan, Anesthesiology, University of Toronto, Toronto, Ontario, Canada

15:50-15:55 Questions

16:00-16:10 Value of preoperative troponin measurement in patients with a hip fracture: Dr. Flavia Borges, Perioperative Care, McMaster University, Hamilton, Ontario, Canada

16:10-16:15 Questions

16:20-16:30 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

16:30-16:35 Questions

16:40-16:50 Impact of continuous and wireless monitoring of vital signs compared to intermittent monitoring or surgical floors: Dr. Sandra Ofori, Perioperative Care, McMaster University, Hamilton, Ontario Canada

16:50-16:55 Questions

17:00 – 17:10 Summary and wrap up: Dr. Emmanuelle Duceppe

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

17:45 – 18:30 Tour of the PROTECT Laboratory at the Juravinski Hospital and Cancer Centre

699 Concession St., Hamilton, ON L8V 5C2

Demonstration of the perioperative virtual care with remote automated monitoring program: Drs. Michael McGillion, Nursing, McMaster University, Hamilton, Ontario, Canada and Sandra Ofori, Perioperative Care, McMaster University, Hamilton, Ontario Canada

Sunday November 9, 2025

Session 5: Perioperative Drug Management

08:30-08:35 *Moderators: Drs Sandra Ofori, Perioperative Care, McMaster University, Hamilton, Ontario, Canada and Alben Sigamani, Bangalore, India*

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, Hamilton, Ontario, Canada

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, Hamilton, Ontario, Canada (moderator); Pavel Roshanov, Nephrology, Western University, London, Ontario, Canada; Francois-Martin Carrier, Anesthesiology, University of Montreal, Montreal, Quebec, Canada

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

09:35-09:45 Perioperative management of SGLT-2 inhibitors: Dr. Emmanuelle Duceppe, Medicine, University of Montreal, Montreal, Quebec, Canada

09:45-09:50 Questions

- 09:55-10:05 Video Laryngoscopy vs Direct Laryngoscopy for Endotracheal Intubation in the Operating Room - A Cluster Randomized Clinical Trial: Dr. Kurt Ruetzler, Anesthesiology, Austria
- 10:05-10:10 Questions

10:10-10:30 Break

Session 6: Ivabradine, Prehabilitation, Chronic Postoperative Pain after Same-Day Surgery, Risk Factors for Readmission After Non-Cardiac Surgery

- 10:30-10:35 *Moderators: Drs. Juan Cata, Anesthesiology, University of Texas MD Anderson Cancer Center, Houston, Texas, US and Vikas Tandon, Perioperative Care, McMaster University, Hamilton, Ontario, Canada*
- 10:35-10:47 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
- 10:47-10:55 Questions
- 11:00-11:10 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, Montreal, Quebec, Canada
- 11:10-11:15 Questions
- 11:20-11:30 Incidence and risk factors of chronic postoperative pain in same-day surgery: Dr. Emmanuelle Duceppe, Medicine, University of Montreal, Montreal, Quebec, Canada
- 11:30-11:35 Questions
- 11:40-11:50 Which patients are high-risk for 30-day readmission after non-cardiac surgery and warrant enhanced follow-up: Dr. Michael McGillion, Nursing, McMaster University, Hamilton, Ontario, Canada
- 11:50-11:55 Questions
- 12:00-12:10 Late-Breaking Trial Presentation - PREVENT MINS Trial: additional results on MINS: Dr. Zbigniew Putowski, Anesthesiology, Krakow, Poland
- 12:10-12:15 Questions

Session 7: Awards, feedback, and closing comments

- 12:15-12:30 Research Competition and Society Awards: Drs. Emmanuelle Duceppe, Medicine, University of Montreal, Montreal, Quebec, Canada and PJ Devereaux, Perioperative Care, McMaster University, Hamilton, Ontario, Canada
- 12:30-12:40 Feedback and Closing Comments: Drs, Flavia Borges, Perioperative Care, McMaster University, Hamilton, Ontario, Canada