

Perioperative Care Congress Program



Science, Evidence and Practice

June 2-4, 2017
Chelsea Hotel, Toronto

Perioperative Care Congress: Science, Evidence and Practice
June 2-4, 2017 • Chelsea Hotel, Toronto, Ontario

Program

GENERAL INFORMATION

Registration Desk Hours

Friday, June 2: 17:00 - 21:15
Saturday, June 3: 07:00 - 18:00
Sunday, June 4: 07:30 - 1:00

Meeting Room

All sessions are taking place in the Mountbatten Salon (2nd Floor).

WiFi

Complimentary WiFi available. Instructions to connect to the wireless network will be provided in the meeting room.

Exhibitors

All breaks and lunches will be served in Mountbatten Lane. Delegates are encouraged to network with Exhibitors.

Name Badges

Badges must be worn at all times. Only delegates wearing a badge will be admitted to sessions.

Message Board

Messages may be left on the message board near the registration desk.

Evaluations

Presentation evaluations will be printed and provided to you at the registration desk when you check in.

Speaker Presentations

Speaker presentations will be shared following the Congress. Registered participants will be sent a link to the presentations.

Certificate of Attendance

Participants will be sent a certificate of attendance by email.

PLANNING COMMITTEE

Ameen Patel, McMaster University
Rebecca Auer, University of Ottawa
Daniel Bainbridge, Western University
Gregory Bryson, University of Ottawa
Marcel Dore, McMaster University
Michelle Graham, University of Alberta
Manoj Lalu, University of Ottawa
Finlay McAlister, University of Alberta
Valerie Palda, University of Toronto
Donald Redelmeier, University of Toronto
Steve Shadowitz, University of Toronto
Sadeesh Srinathan, University of Manitoba
Vikas Tandon, McMaster University
Gerrit Winkelaar, University of Alberta

Accreditation

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada, and approved by the Canadian Anesthesiologists' Society.

The Perioperative Care Congress is approved for a maximum of 13 hours. Participants are asked to keep a record of the number of session hours they attend during the conference. Each hour of attendance at sessions during the Scientific Program is equal to one credit. Your registration receipt is accepted by the RCPSC as proof of attendance.

Abstracts

All abstracts presented during the Research Competitions held Friday, June 2 will be available on the Perioperative Care Congress website after the event.

Friday, June 2: 17:30 to 22:00

Light Supper: 17:30
Break: 18:45 - 19:05
Break: 19:50 - 20:35

Saturday, June 3: 08:00 to 18:00

Continental Breakfast: 08:00 - 08:30
Break: 10:30 - 11:00
Lunch: 12:30 - 13:45
Break: 15:30 - 15:45

Networking Reception

Saturday, June 3: 18:00 - 20:00

Sunday, June 4: 08:00 to 1:00

Continental Breakfast: 08:00 - 08:25
Break: 10:15 - 10:30

PJ Devereaux, McMaster University
Khalid Azzam, McMaster University
Mohit Bhandari, McMaster University
Davy Cheng, Western University
Emmanuelle Duceppe, University of Montreal
John Harlock, McMaster University
Paul MacDonald, Cape Breton University
Michael McGillion, McMaster University
Joel Parlow, Queen's University
Daniel Sessler, Case Western University, Ohio
Erin Sloan, University of British Columbia
Maria Tiboni, McMaster University
Duminda Wijeyesundera, University of Toronto

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Dedicated question and answer time has been included in each session

FRIDAY, JUNE 2

17:00 - 17:30 Registration, Poster Viewing and Light Supper

17:30 - 22:00 RESEARCH COMPETITIONS

The top 5 abstracts in each category will have 7 minutes to present their abstracts and 3 minutes to answer questions.

Moderators

PJ Devereaux, McMaster University
Sadeesh Srinathan, University of Manitoba
Duminda Wijeyesundera, University of Toronto

17:30 - 17:35 Welcome

17:35 - 18:45 Resident and Fellows Oral Research Presentation Competition

70 minutes

Judges

Bruce Biccard, University of Cape Town and Groote Schuur Hospital, South Africa
Gordon Guyatt, McMaster University
Donald Redelmeier, University of Toronto
Sadeesh Srinathan, University of Manitoba
Duminda Wijeyesundera, University of Toronto

18:45 - 19:05 Activity Break, Networking

19:05 - 19:35 Junior and Mid-career faculty Oral Research Presentation Competition

30 minutes

Judges

Finlay McAlister, University of Alberta
Rupert Pearse, Royal London Hospital
Wojtek Szczeklik, Jagiellonian University Medical College, Poland
Juan Carlos Villar, Hospital Universitario de Santander, Columbia

19:35 - 19:50 How to Set up a Research Program to Recruit Patients at Your Hospital

15 minutes

Joel Parlow, Queen's University

19:50 - 20:35 Activity break, Networking and Research Poster Session

45 minutes

Judges

Otavio Berwanger, Research Institute Heart Hospital, Brazil
Gregory Bryson, University of Ottawa
Matthew Chan, Chinese University of Hong Kong
Wang Cy, University Malaya Medical Centre, Malaysia
Denis Xavier, St. John's Research Institute, India

20:40 - 20:55 The Debaters

15 minutes

Moderator: *Donald Redelmeier, University of Toronto*

Should we move from traditional large individual patient randomized controlled trials (RCTs) towards cluster cross-over RCTs in the perioperative setting?

PRO: *PJ Devereaux, McMaster University*

CON: *Gordon Guyatt, McMaster University*

20:55 - 21:15 Competition Winners Announced and Wrap Up

SATURDAY, JUNE 3

08:00 - 08:30 Continental Breakfast

08:30 - 08:45 Welcome

08:45 - 12:30 SESSION 1
Canadian Cardiovascular Society (CCS) Perioperative Guideline Recommendations and Related Implementation Sessions
Moderator: *Emmanuelle Duceppe, University of Montreal*

08:45 - 09:15 CCS Perioperative Guideline Recommendations Related to Preoperative Cardiac Risk Assessment
30 minutes

Sadeesh Srinathan, University of Manitoba

- i. Which patients should undergo cardiac risk assessment before non cardiac surgery
- ii. How to communicate perioperative cardiovascular risk

Vikas Tandon, McMaster University

- iii. Methods of preoperative cardiac risk assessment
- iv. Clinical risk indices
- v. Self-reported functional capacity
- vi. Cardiac biomarkers
- vii. Non-invasive cardiac testing

09:20 - 09:40 How to Set up a Program to Measure Preoperative BNP/NTproBNP
20 minutes

PJ Devereaux, McMaster University

09:45-10:25 CCS Perioperative Guideline Recommendations Related to Perioperative Cardiac Risk Modification
40 minutes

Joel Parlow, Queen's University

- i. Perioperative aspirin initiation and continuation
- ii. Perioperative β -blocker initiation and continuation
- iii. Perioperative α 2-agonist initiation
- iv. Perioperative calcium channel blocker initiation

Paul MacDonald, Cape Breton University

- v. Perioperative angiotensin-converting enzyme inhibitor (ACEI) or angiotensin II receptor blocker (ARB) continuation
- vi. Perioperative statin initiation and continuation
- vii. Preoperative coronary revascularization
- viii. Perioperative smoking cessation

10:30 - 11:00 Activity Break, Networking

11:00 - 11:15 How to Set up a Preoperative Smoking Cessation Program
15 minutes

Jean Wong, University of Toronto

11:20 - 11:55 CCS Perioperative Guideline Recommendations Related To Monitoring For Perioperative Cardiac Events
35 minutes

Emmanuelle Duceppe, University of Montreal

- i. Troponin monitoring
- ii. Electrocardiography

Amal Bessissow, McGill University

- iii. Telemetry
- iv. Pulmonary artery catheter
- v. Shared-care management

11:55 - 12:10 How to Set up a Program to Monitor Perioperative Troponins
15 minutes

Vikas Tandon, McMaster University

SATURDAY, JUNE 3

12:10 - 12:30 **CCS Perioperative Guideline Recommendations Related to Management of Myocardial Injury After Noncardiac Surgery (MINS)**
20 minutes
Kim Styles, Dalhousie University

12:30 - 13:45 Lunch, Networking

13:45 - 15:30 SESSION 2
Intraoperative Session
Moderator: *Daniel Bainbridge, Western University*

13:45 - 14:05 **Impact and Response to Intraoperative Hemodynamics**
20 minutes
Gareth Ackland, Queen Mary University of London

14:10 - 14:30 **Evidence to Support Intraoperative Temperature Control and Methods to Achieve Goal**
20 minutes
Gregory Bryson, University of Ottawa

14:35 - 14:55 **Intraoperative Fluid Management**
20 minutes
Bruce Biccard, University of Cape Town and Groote Schuur Hospital, South Africa

The Debaters

Moderator: *Daniel Bainbridge, Western University*

15:00 - 15:15 **Should we Monitor Intraoperative Brain Function with Devices Such as the Bispectral Index (BIS)?**
15 minutes
PRO: *Hilary Grocott, University of Manitoba*
CON: *Gregory Bryson, University of Ottawa*

15:15 - 15:30 **Should we Monitor Intraoperative Brain Oximetry with Devices such as Near-infrared Spectroscopy (NIRS)?**
15 minutes
PRO: *Summer Syed, McMaster University*
CON: *George Djaiani, University of Toronto*

15:30 - 15:45 Activity Break, Networking

15:45 - 18:00 SESSION 3
Perioperative Venous Thrombo Embolism (VTE) and Management of Anticoagulants
Moderator: *Ameen Patel, McMaster University*

15:45 - 16:05 **Which Patients and How to Reverse Anticoagulation Before Surgery**
20 minutes
Sam Schulman, McMaster University

16:10 - 16:30 **What Patients and What Measures for Venous Thrombosis Embolism (VTE) Prevention in Patients Undergoing Orthopedic Surgery**
20 minutes
Mark Crowther, McMaster University

16:35 - 16:55 **To Bridge or Not to Bridge Patients on Chronic Anticoagulation**
20 minutes
Sam Schulman, McMaster University

17:00 - 17:20 **What Patients and What Measures for VTE Prevention in Patients Undergoing Non-Orthopedic Noncardiac Surgery**
20 minutes
Noel Chan, McMaster University

17:25 - 17:40 **How to Set up a Perioperative VTE Prevention Program**
15 minutes
Sam Schulman, McMaster University

17:45 - 18:00 **Wrap up, feedback, and overview of next day's agenda**
15 minutes

Reception to follow

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SUNDAY, JUNE 4

08:00 - 08:25 Continental Breakfast

08:25 - 08:30 Welcome

08:30 - 09:20 SESSION 4
Perioperative Acute and Chronic Pain
Moderator: *Michael McGillion, McMaster University*

08:30 - 08:55 **Management of Acute Postoperative Pain**
25 minutes
Claudia Gomez, University of Ottawa

09:00 - 09:20 **How Big an Issue is Chronic Incisional Pain and Can Anything be Done for This Entity**
20 minutes
Hance Clarke, University of Toronto

09:25 - 10:10 SESSION 5
Perioperative Bleeding and Transfusion
Moderator: *Keyvan, Karkouti, University of Toronto*

09:25 - 09:50 **Diagnostic Criteria For Important Perioperative Bleeding, Prediction, Impact, Management**
25 minutes
Pavel Roshanov, McMaster University

09:55 - 10:15 **Who Should I Transfuse**
20 minutes
Keyvan Karkouti, University of Toronto

10:15 - 10:30 Activity Break, Networking

10:30 - 11:40 SESSION 6
Perioperative Pneumonia, Wound Infection, and Sepsis
Moderator: *Maria Tiboni, McMaster University*

10:30 - 10:50 **Prediction, Prevention, and Management of Perioperative Pneumonia**
20 minutes
Finlay McAlister, University of Alberta

10:55 - 11:15 **Perioperative Wound Infection – Incidence, Prediction, Prevention, and Management**
20 minutes
Shariq Haider, McMaster University

11:20 - 11:40 **Diagnosis, Prevention, and Management of Perioperative Sepsis**
20 minutes
Rupert Pearse, Royal London Hospital

11:45 - 12:30 SESSION 7
Perioperative Acute Kidney Injury and Electrolyte Imbalances
Moderator: *Gregory Bryson, University of Ottawa*

11:45 - 12:05 **Perioperative Acute Kidney Injury – Incidence, Prediction, Prevention, and Management**
20 minutes
Ron Wald, University of Toronto

12:10 - 12:30 **Management Strategies for Common Perioperative Electrolyte Abnormalities**
20 minutes
John Neary, McMaster University

12:35 - 12:50 SESSION 8
Query Paradigm Shift
Moderator: *Manoj Lalu, University of Ottawa*

12:35 - 12:50 **The Debaters**
15 minutes
Do remote automated non-invasive monitors represent the next major paradigm change in perioperative medicine?
PRO: *PJ Devereaux, McMaster University*
CON: *John Neary, McMaster University*

12:50 - 13:00 Wrap up session