



Perioperative Care Symposium | Preliminary Program November 5th, 2022

09:50 **Perioperative Care Congress Welcome and Overview – Ameen Patel**

Session 1: Perioperative Hemodynamics and Monitoring

10:00 **Welcome Remarks**

Moderator: Dr. Flavia Borges (Hamilton)

10:05 **Intraoperative MAPs of 60 or greater versus 75 or greater**

Speaker: Dr. Patrick Wanner, (Switzerland)

At the end of this workshop the learners will be able to:

- ▶ Appraise and apply latest evidence for intraoperative on BP targets and outcomes;
- ▶ Discuss strategies for intraoperative BP control;
- ▶ Compare different intraoperative MAPs on outcomes.

10:25 **Intraoperative hypertension and myocardial injury or mortality and acute kidney injury after noncardiac surgery**

Speaker: Dr. Kamal Maheshwari (United States)

At the end of this workshop the learners will be able to:

- ▶ Appraise and apply latest evidence for intraoperative on BP targets and outcomes;
- ▶ Discuss strategies for intraoperative BP control;
- ▶ Compare different intraoperative MAPs on outcomes;
- ▶ Assess if hypertension is associated with worse outcomes.

10:40 **What's the right blood pressure during cardiac surgery?**

Speaker: Dr. Jessica Spence (Hamilton)

At the end of this workshop the learners will be able to:

- ▶ Appraise and apply latest evidence for intraoperative on BP targets and outcomes in cardiac surgery;
- ▶ Discuss strategies for intraoperative BP control;
- ▶ Compare different intraoperative MAPs on outcomes;
- ▶ Identify if hypo/hypertension is associated with worse outcomes.

10:55 **POISE-3 BP management strategy results**

Speaker: Dr. Maura Marcucci (Hamilton)

At the end of this workshop the learners will be able to:

- ▶ Compare and discuss a hypotension or hypertension permissive strategy;
- ▶ Review and discuss optimal management of BP meds perioperatively.

BREAK



- 11:25 **Welcome Remarks**
Moderator: Dr. Emmanuelle Duceppe (Montreal)
- 11:30 **Continuously monitored vital signs for detection of myocardial injury in high-risk patients – An observational study**
Speaker: Dr. Christian Meyhoff (Denmark)
At the end of this workshop the learners will be able to:
- ▶ Identify the indications for perioperative monitoring;
 - ▶ Define the optimal patient population, timing and duration of monitoring;
 - ▶ Review options for monitoring devices and use in hospital and after discharge;
 - ▶ Discuss and review monitoring for identification of myocardial injury;
 - ▶ Identify the use of monitoring into clinical practice and its implications on outcomes and management options.
- 11:45 **Effect of Continuous Electrocardiogram Monitoring on Detection of Undiagnosed Atrial Fibrillation After Hospitalization for Cardiac Surgery. A Randomized Clinical Trial**
Speaker: Dr. Andrew Ha (Toronto)
At the end of this workshop the learners will be able to:
- ▶ Define the optimal patient population, timing and duration of monitoring;
 - ▶ Review options for monitoring devices and use in hospital and after discharge;
 - ▶ Discuss and review monitoring for identification of arrhythmia;
 - ▶ Identify the use of monitoring into clinical practice and its implications on outcomes and management options.
- 12:00 **Chain Reaction: Discussion of who and how to monitor hemodynamics in patients after surgery on a surgical ward**
Speaker: Dr. Su-Yin MacDonell (Vancouver)
Speaker: Dr. Amal Bessissow (Montreal)
Speaker: Dr. Alexandra Allard-Coutu (Ottawa)
At the end of this workshop the learners will be able to:
- ▶ Assess and compare practices by three different disciplines and advocate for monitoring in their centers;
 - ▶ Describe the utility of data from monitoring and recognize which patients may benefit most from monitoring;
 - ▶ Identify the pros and cons of standard care versus standard care and monitoring versus monitoring alone.

LUNCH



Session 2: Perioperative Bleeding and Thrombosis

1:15 pm

Welcome Remarks

Moderator: Noel Chan (Hamilton)

1:20 pm

POISE-3 TXA results

Speaker: Dr. PJ Devereaux (Hamilton)

At the end of this workshop the learners will be able to:

- ▶ Recognize the implications of perioperative bleeding and the role of TXA to prevent bleeding and optimize product use;
- ▶ Discuss the blood product need and shortage globally and impact of use of TXA.

1:35 pm

TXA in patients having vascular surgery

Speaker: Dr. Sandra Ofori (Hamilton)

At the end of this workshop the learners will be able to:

- ▶ Define and discuss the role of TXA in vascular surgery;
- ▶ Review adverse effects of TXA and patient population/surgery where TXA is contra-indicated.

Session 3: Patients with Renal Insufficiency and Surgery and Renal Transplantation

1:50 pm

Welcome Remarks

Moderator: Dr. Darin Treleaven (Hamilton)

1:55 pm

Relationship between eGFR and the incidence of major surgery and mortality and cardiovascular events in adults with kidney failure after major non-cardiac surgery

Speaker: Dr. Tyrone Harrison (Calgary)

- ▶ At the end of this workshop the learners will be able to:
- ▶ Recognize renal insufficiency as a risk for post-op vascular events;
- ▶ Identify patients and different levels of risk;
- ▶ Describe the relationship between impaired renal function and vascular risk in patients undergoing surgery.

2:10 pm

Effect of perioperative dexmedetomidine on delayed graft function following a donation-after-cardiac-death kidney transplant

Speaker: Dr. Christine Ribic (Hamilton)

At the end of this workshop the learners will be able to:

- ▶ Identify factors that contribute to transplant failure/success;
- ▶ Recognize the role of organ micro-circulation in transplant;
- ▶ Discuss emerging pharmacologic interventions to preserve renal graft function;
- ▶ Discuss ways to optimize graft function.



2:25 pm

Invasive cardiac strategy before renal transplantation

Speaker: Dr. John Gill (Vancouver)

At the end of this workshop the learners will be able to:

- ▶ Discuss the role of renal insufficiency as a risk factor for post-op vascular complications;
- ▶ Recognize the pros and cons of pre-op cardiac/vascular assessment for patients with renal insufficiency;
- ▶ List the pros and cons of undertaking pre-op vascular assessment and use the results to optimize patients.

BREAK

Session 4: Intraoperative Care

2:55 pm

Welcome Remarks

Moderator: Dr. MacDonell (Vancouver)

3:00 pm

Mild perioperative hypothermia versus aggressive warming (PROTECT Trial)

Speaker: Dr. Stephen Yang

At the end of this workshop the learners will be able to:

- ▶ Recognize the natural cooling associated with anesthesia;
- ▶ Review and discuss the role of intra-op warming and its impact on outcomes;
- ▶ Identify the importance of reviewing full anesthesia record post-operatively.

3:15 pm

Transversus abdominis plane block versus epidural for major abdominal surgery (EXPLANE trial)

Speaker: Dr. Alparslan Turan (United States)

At the end of this workshop the learners will be able to:

- ▶ Discuss and compare TAB and epidural analgesia;
- ▶ Recognize when each may be indicated;
- ▶ Compare the impact on pain control intra-op and pressure and length of stay.



Session 5: Hip Fracture

- 3:30 pm **Welcome Remarks**
Moderator: Dr. PJ Devereaux ((Hamilton)
- 3:35 pm **Should physicians order a preoperative troponin in all hip fracture patients**
Speaker: Dr. Flavia Borges (Hamilton)
At the end of this workshop the learners will be able to:
- ▶ Describe the association between pre-op troponin and hip fracture surgery;
 - ▶ List the pros and cons of urgent surgery versus standard care;
 - ▶ Discuss how pre-op troponin can help stratify vascular risk for hip fracture patients.
- 3:50 pm **Debate: Be it resolved hip fractures patients should have a medical specialist as the most responsible physician and a surgeon as consultant.**
Speaker: Pro: Dr. PJ. Devereaux (Hamilton)
Speaker: Con: Dr. Steve Shadowitz (Toronto)
Moderator: Dr. Donald Redelmeier (Toronto)
At the end of this workshop the learners will be able to:
- ▶ Identify different models of perioperative care;
 - ▶ Compare advantages and disadvantages of surgeon versus medicine versus joint MRP.
- 4:05 pm **Feedback and Closing Remarks**
Ameen Patel

Accreditation:

This activity 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 McMaster University Continuing Professional Development Program. You may claim a maximum of 4 MOC Section 1 hours (credits are automatically calculated).