



**SOCIETY FOR
PERIOPERATIVE
RESEARCH AND CARE**



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SPRC Newsletter - August 2021

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President's Message

Dear Colleagues,

Globally over 100 million adults ≥ 45 years of age have major surgery annually; of these, 29% will suffer a prognostically important complication, $>1.5\%$ will die, and 7% will be re-admitted to hospital within 30 days of surgery. In Ontario Canada alone, surgical volumes have increased over 400% in the last decade. This growth in surgery, without a corresponding growth in hospital beds, has resulted in a widespread push to shorten length of hospital stay after surgery, and identify ways to prevent hospital readmission after discharge. After hospital discharge, upwards of 29% of patients have drug errors. These major health system challenges have been exacerbated recently by the Coronavirus Disease 2019 (COVID-19) pandemic. At the start of the pandemic, many hospitals canceled elective surgeries. As hospitals continue to struggle with increased patient volume due to COVID-19, there is a pressing need to facilitate management of the backlog of

individuals waiting for elective surgeries.

There has never been a greater need for improved perioperative care to address these issues. The Society for Perioperative Research and Care (SPRC) brings together learners, clinicians, and researchers engaged in perioperative care and promotes perioperative care globally. Members of the SPRC have access to many outstanding educational activities including the following: 1. weekly case rounds discussing interesting perioperative cases with overviews of the relevant evidence; 2. monthly perioperative journal clubs providing in-depth discussions of landmark studies with clinical take away points to inform care; and 3. special events where society members get to see presentations of major studies from the investigators who ran the studies as soon as they published.

If you are a member of the SPRC, we greatly appreciate your support and contributions to these activities. The SPRC encourages anesthesiologists, medicine physicians, nurses, rehabilitation healthcare providers, and surgeons to join, contribute to, and gain from the SPRC.

Sincerely,

PJ Devereaux, MD, PhD, FRCPC
President

SPRC Activities



Ask the Professor – Case of the Week Rounds

Please join us on **Tuesdays** from **12:00 to 1:00 pm ET** as perioperative fellows and trainees present live clinical case rounds (via Zoom) with professors available to answer questions and provide valuable insight. Open to all perioperative colleagues. Moderated by **Vikas Tandon**, Associate Professor, Perioperative Fellowship Program, McMaster University. The "Ask the Professor" rounds have adjourned for the summer but will resume on **Tuesday**,



Monthly Perioperative Care Journal Club

SPRC has been pleased to provide our members with monthly Perioperative Care Journal Club (PCJC) meetings. These monthly meetings provide an opportunity for in-depth discussion with colleagues on recent papers, publications and articles on a wide variety of perioperative care related topics. Organized and led by **Flavia Kessler Borges** (McMaster University) past meeting topics have included:

September 7.

Do you have a case you would like to present at an upcoming Ask the Professor weekly round? Or perhaps you have a trial or paper you think would be an appropriate topic for the Perioperative Care Journal Club to discuss at a monthly meeting? Reach out to the SPRC Secretariat at sprc@intertasconferences.com with your ideas or suggestions.

- Association of Unrecognized Obstructive Sleep Apnea With Postoperative Cardiovascular Events in Patients Undergoing Major Noncardiac Surgery - June 23
- BRIDGE Trial (Perioperative Bridging Anticoagulation in Patients with Atrial Fibrillation) - May 26
- Perioperative Corticosteroid administration: a systematic review and descriptive analysis - April 28
- PREVENTT Trial (Preoperative intravenous iron to treat anaemia before major abdominal surgery - March 24
- CHOCOLATE Trial (Laparoscopic cholecystectomy versus percutaneous catheter drainage for acute cholecystitis in high risk patients - Feb. 24

The next PCJC meetings are scheduled for 6:00 pm ET on Sept. 29th, Oct. 27th and Nov. 24th.

Special Events



SPRC was very pleased to have **Flavia Kessler Borges** present the key findings from the the **HIP ATTACK 1** study and gave a brief introduction to HIP ATTACK 2 on **January 13**. Panelists included:

Michael McGillion (McMaster University)
Gerard Slobogean (University of Maryland School of Medicine)
Wojciech Szczeklik (Jagiellonian University)
Kelly Zarnke (University of Calgary)
Moderated by **PJ Devereaux** (McMaster University)

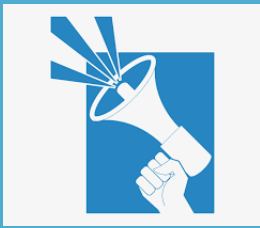


The Society was honoured to have **Richard Whitlock**, the Principal Investigator of the Left Atrial Appendage Occlusion Study during Cardiac Surgery to Prevent Stroke (LAAOS III) discuss the trial results in a special presentation held on **May 20**.

A panel discussion followed the presentation with:
PJ Devereaux (McMaster University)
Jean-François Légaré (New Brunswick Health Centre)
Daniel Sessler (Cleveland Clinic)
Steve Shadowitz (Sunnybrook Health Sciences Centre)
Moderated by **Ameen Patel** (McMaster University)

Recordings Available

Missed an event? No problem. The recordings for all SPRC events including Ask the Professor rounds, Perioperative Care Journal Club meetings and Special Events are available to SPRC members on the SPRC Member Site.



Call for Nominations SPRC Board of Directors

Want to get involved? Consider serving on the SPRC Board of Directors and help promote the concept of multi-disciplinary, evidence-based, perioperative care. Share your unique experiences with others and develop key professional and personal networks. The **Call for Nominations** is open until September 15th.



Perioperative Care Congress 2021

Perioperative Care Congress

(virtual event)

November 11-14, 2021

PLAN TO ATTEND PCC 2021 - Four informative sessions held over 3 days. Program provides research-based content from international, multi-disciplinary experts via short, interactive presentations, debates and panel discussions.

Thursday, November 11 • 5:00pm

Research Competition Oral Presentations - **Call for Abstracts NOW OPEN**

Friday, November 12 • 5:00pm to 8:30pm

Bariatric, Cardiac and Orthopedic Surgery and ERAS

Saturday, November 13

Virtual Care and RAM Technology • 10:00am to 12:45pm

Anesthesia and Intraoperative Care, Pain and OSA • 2:00pm to 4:30pm

Sunday, November 14 • 11:00am to 3:15pm

Vascular and Neurocognitive Complications

Note: times listed are Eastern Time zone



SPRC Awards

Interested in nominating an individual for a **SPRC award** in 2021? Awards include Early Investigator, Excellence in Clinical Teaching, Distinguished Service and Researcher of the Year. Check out the **Award Criteria** on the SPRC website. Deadline for nominations is October 15th.

Upcoming Trials/Trial Results



Do you have study/trial results you would like to share with colleagues? SPRC will gladly help you with organizing a virtual presentation, post information to our website and share the information with our members in an upcoming newsletter or communication. Contact the SPRC Secretariat sprc@intertaskconferences.com.



Job Postings

Nova Scotia Health

<https://jobs.nshealth.ca/>

Unity Health Network

<https://unityhealth.to/get-involved/work-at-unity-health/employment-opportunities/>

University Health Network

<https://www.recruitingsite.com/csbsites/uhn-careers/careers.asp>

Vancouver Coastal Health

<https://careers.vch.ca/>

Do you have a job posting that you would like to share? If so, please email any details to sprc@intertaskconferences.com.



Kudos Korner

Congratulations to SPRC President, Dr. PJ Devereaux. The Canadian Institutes for Health Research (CIHR) and the Canadian Cardiovascular Society (CCS) have selected Dr. Devereaux as the recipient of their 2021 Distinguished Lecturer Award in Cardiovascular Sciences. Dr. Devereaux will receive the award at the **Canadian Cardiovascular Congress** in October 2021 (virtual), and give a keynote lecture. Well done PJ!



Member Spotlight

In each issue, the SPRC will focus on a Society member whose contributions have greatly impacted perioperative medicine. In this issue, we are highlighting **Dr. Maura Marcucci**.



Dr. Marcucci is an internationally trained internist (Italy). She completed an MSc in Health Research Methodology and a clinical fellowship in Hematology/Internal Medicine at McMaster University. In 2013-2016 she was an Assistant Professor at the University of Milan, Department of internal and geriatric medicine. She is currently an Assistant Professor at the Departments of Health Research Methods, Evidence, and Impact (HEI), and Medicine at McMaster University. She is an attending physician in the Division of General Internal Medicine (GIM) and Division of Perioperative Care. She works with the Anesthesiology, Perioperative Medicine, and Surgical Research Group at the Population Health Research Institute. She is the Research Director

for the Division of GIM.

How did you become interested in perioperative medicine? Did you always plan to pursue a career in this area?

I had crossed the perioperative medicine pathway many times – in my research and clinical activity in thrombosis and in geriatrics – but I had never thought of perioperative medicine as a specialty. I was then at the right place at the right moment when I was given the opportunity, first, of being more intensively involved with my research in the perioperative field. I had soon the impression that I could not wish for more – everything I had studied that far in cardiovascular and geriatric medicine came to help me contribute to a discipline with a lot yet to understand and build. When at a certain point I more formally became a ‘perioperative doctor’, the magic happened.

What are the most rewarding and most challenging aspects of perioperative medicine?

There are many challenging aspects, I will mention two. One, moving into an area of medicine that was not really part of our training, and where there are many gaps to fill in the knowledge of physio-pathogenic mechanisms, as well as in what the best clinical standards are. Two, its interdisciplinary nature, and the need to have diverse types of expertise work together. To me, these two are also the most rewarding aspects, what give me energy and make me feel every day that our contribution as perioperative specialists is most important to the provision of the best care.

Can you tell us what you are currently researching or about a career highlight thus far?

I am currently involved in several areas of perioperative research, including reducing cardiovascular complications, helping transition from hospital to home after surgery, and evaluating the role of remote automated monitoring and virtual care. Specifically, my main areas of interest are *neurocognitive outcomes* of surgery (from postoperative delirium to postoperative cognitive dysfunction), i.e., understanding their mechanisms and look at possible interventions to reduce their incidence and/or impact on patient lives; and *frailty*, as a predictor of surgery outcome and as an outcome of surgery. The ultimate objective of my research is to help surgery be a positive experience also for increasingly older and medically complex patients, and for their families.

Newsletter Items

Have information you would like to share with colleagues? Send us your news, links to recently published research, event listings or an article for the an upcoming newsletter:

sprc@intertaskconferences.com

