



CANADIAN ANESTHESIOLOGISTS' SOCIETY

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www.cas.ca

MESSAGE FROM THE

CAS CEO AND CAS PRESIDENT



Dr Lucie Filteau, CAS President



Vanessa Foran,
CAS Chief Executive Officer

Message from the CAS President and Chief Executive Officer

As we complete our first year in our respective leadership roles at the CAS, we've been reflecting on our progress to date and looking ahead to our future plans. The transition from our previous President and CEO has been smooth, thanks to the guidance and support from our tireless office staff, Executive Committee and Board. Our various stakeholders' openness to reconsidering the status quo has led to productive explorations of how we can better serve our membership and the specialty.

One of our main focuses over the past year has been to ramp up our advocacy efforts through a targeted government relations initiative. With the help of our government relations consulting firm, we have managed to meet with key health care decision makers across most provinces throughout the year. We have used these meetings to discuss the critical anesthesia shortage and promote effective strategies to tackle the surgical backlog (as delineated in our CAS Position Statement, released in October). We have also used this opportunity to empower our provincial anesthesia leaders and ensure that they are "at the table" for ongoing discussions involving perioperative care. Supply chain issues (medication and equipment shortages) have resulted in us interacting with Health Canada with increasing frequency and reaching out to our membership with time sensitive information. Lastly, once we finalize our Environmental Sustainability position statement, we will focus our outreach efforts in this area. When considering whether or not to renew your membership (due Dec 31), please keep in mind that your fees help us to continue with these crucial advocacy activities on your behalf.

2023 was a successful year for CAS. We published our **first annual report** to ensure accountability of your membership dollars and keep you informed of ongoing CAS initiatives, increased the **number of CME offerings available to members**, quadrupling education opportunities over the past two years, and successfully implemented a **new member platform** to make it easier to connect with CAS.

A number of other initiatives are in the early stages of implementation and have so far been very well received. A new educational offering, a national grand rounds series, has been developed to increased year-round access to existing quality content from our academic centres across the country. This initiative is ready to be launched in early 2024 and we look forward to your feedback on these sessions as well as increasing participation (submissions) from a growing number of centres. Our recently created Annual Meeting Scientific Planning Committee have now come together and are well into the process of planning our next Annual Meeting (June 7-10, Victoria, BC). Our national office has also begun some foundational planning to host the World Congress of Anesthesia (WCA) in Vancouver in 2028. This successful bid, led by Dr Hilary Grocott, will be the first WCA on Canadian soil since it was held in Montreal in 2000. Our Clinical Practice Guidelines Committee, led by Committee Chair Dr Gregory Dobson, is hard at work finalizing the 2024 Canadian Guidelines to the Practice of Anesthesia, which will be published soon after Board approval. Our Canadian Journal of Anesthesia (CJA) publishing contract is up for renewal this year and we, along with Editor in Chief Dr Stephan Schwarz, are openly exploring our options. As you will have been aware from CAS emails to our membership, we also are in the midst of a strategic planning exercise, to focus our efforts and finite resources on what matters most. We have surveyed our membership and other stakeholders

and are grateful for those that took the time to provide their valuable insights and diverse perspectives. We look forward to sharing the strategic plan once the collected data has been collated, reviewed and discussed by our Board of Directors. As we look ahead to 2024, we also expect to undertake a thorough governance review, which will involve taking a critical look at our society's existing bylaws and policies (last updated in 2014) and making significant changes to improve our organization's functionality and effectiveness. Lastly, our succession planning by our Nominations Committee is well under way, led by Past President Dr Dolores McKeen. The committee has started their search for the CAS' new Vice President who will start in the Fall of 2024 as our current Vice President, Dr Giuseppe Fuda, takes on his new role as President. Never a dull moment!

As always, we welcome your feedback and ideas on how to strengthen our organization and enhance the member experience. If you are interested in becoming involved in professional activities on a national level, check out our website for current **volunteer opportunities** at CAS.

Sincerely,

Lucie Filteau, MD, FRCPC President Vanessa Foran, CAE Chief Executive Officer

BOARD OF DIRECTORS

AS OF DECEMBER 2023

EXECUTIVE COMMITTEE

Dr Lucie Filteau, President
Dr Giuseppe Fuda, Vice-President
Dr Andrew Nice, Secretary
Dr Hilary Grocott, Treasurer
Dr Dolores McKeen, Past President
Vanessa Foran, CEO (non-voting)

DIVISIONAL REPRESENTATIVES

Dr Jadon Harding Dr Dennis Drapeau Dr Joseph Desreux Dr Vatsal Trivedi

Dr Nikola Joly

Dr Jennifer Landry

Dr Jennifer Plester

Dr Melanie Orvold

Dr Saifee Rashiq Dr Annika Vrana

EX-OFFICIO MEMBERS

(Voting) - Invited Guests

Dr Mateen Raazi, ACUDA President **Dr Melissa Liu**, Resident Representative

CLICK HERE TO VIEW ONLINE

ADVOCACY UPDATE AND **2023 WRAP-UP**

CAS continues the momentum of our advocacy work; we began the fall with the position statement **Strategies to Address the Surgical Backlog and Health Human Resource Issues in Anesthesia**, published in October. This statement will help inform our discussions with provincial and federal policy makers as we discuss how to address current issues in anesthesia care and delivery, with the goal of having an open dialogue about practical strategies and solutions.

CAS President, Dr Lucie Filteau and CAS CEO, Vanessa Foran, along with CAS Board provincial representatives continue to meet with provincial policy makers including:



PEI:

 Lisa Thibeau: Deputy Minister, Health and Wellness

New Brunswick:

• Eric Beaulieu: Deputy Minister of Health

Newfoundland & Labrador:

- John McGrath: Deputy Minister, Health and Community Services
- Jeannine Herritt: Assistant Deputy Minister, Health and Community Services

Manitoba:

• Scott Sinclair: Deputy Minister of Health

British Columbia:

- Mark Armitage: Assistant Deputy Minister for Health Sector Workforce and Beneficiary Services Division
- Miranda Mason: Executive Director for Health Workforce Planning and Implementation

Initial meetings with provincial policy makers will continue throughout the first quarter of 2024.

CAS has also been meeting with Health Canada about various medication and equipment supply chain issues. In addition to informing Health Canada about specific shortages, we're able to bring our specialty's perspective on the direct impact of these shortages. This helps to inform decision making by Health Canada about the seriousness of the shortage and the need (in some cases) to seek alternative supplies internationally. When indicated, CAS releases bulletins to its membership, such as that recently sent about the **succinylcholine shortage**.

To plan for 2024, **The Public Affairs Advisory Committee** met in early November to discuss progress to date and next steps. Several ideas were discussed including promoting the ACT model as a gold standard in anesthesia delivery, with the inclusion of increased anesthesia assistant positions to support; progress on the environmental position statement, and potential models to promote for rural/remote anesthesia delivery. CAS will continue to keep members informed of our plans as we move forward in this work.

THE BENEFITS OF BEING A CAS MEMBER

- 2024 CAS MEMBERSHIP RENEWAL

CAS puts members first. We strive to provide the right support for members at all stages of their respective journeys in anesthesia. For over 80 years we've acted as a collective voice for the profession. Check out the **benefits available** when you renew your membership. There's something available for everyone!

EDUCATION & PROFESSIONAL DEVELOPMENT

Using member feedback, CAS works to ensure its education offerings remain topical with rapidly evolving perspectives to help you fulfill your Royal College CME requirements (Section 1, 2, and 3)

- CAS Annual Meeting, the largest anesthesia conference in Canada, with significant discounts for members (with savings outweighing the cost of a membership for anesthesiologists)
- CPD Online Modules at either a significant discount, or complimentary, to CAS members
- Webinars & Town Halls member exclusive and public webinars at a discount (both soft skills and anesthesia related)
- Members Only Videos (login required), including webinar recordings to ensure education is always available

ADVOCACY

Be part of the collective voice for the profession. Advocacy work is a key pillar of CAS; we promote patient health and safety, elevate the profession, and represent your interests. Our advocacy efforts include:

- Advocating for the interests of anesthesiologists, and the betterment of patient health and safety, including in the ongoing work with government to address the HHR crisis and surgical backlog.
- Supporting best practices and patient safety; members receive Medication Safety Bulletins to ensure you are up to date on supply shortages and new risks
- Updating and publishing annual revisions to the Guidelines to Anesthesia
- Representing the profession's interests on national and international committees focused on anesthesiology or medicine in general, extending CAS' influence for the betterment of the profession on the global stage.
- Build sustainable training programs for anesthesiologists in low resource settings across the globe through the Canadian Anesthesiologists' Society International Education Fund (CASIEF)

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RESEARCH

- CAS is dedicated to empowering innovation and encouraging new researchers in the specialty, supporting members in both continuous learning and in funding.
- The Canadian Journal of Anesthesia (CJA), is provided as an electronic subscription to all members; this academic journal is a source of clinical knowledge and research in anesthesia in Canada
- The CAS Research Program, delivered through CAS' foundation Canadian Anesthesia Research Foundation (CARF), and in conjunction with various CAS Sections, providing approximately \$200,000 annually in funding to CAS members
- The opportunity to present your Abstract at our Annual Meeting
- Member-only Survey Program have your research survey distributed to the CAS membership (CAS administered surveys available exclusively to members at a cost).

NETWORKING & RECOGNITION

- Connect with other anesthesia leaders and contribute to the future of your association with participation in various CAS roles. Click here to see open volunteer opportunities
- Share your knowledge on your specialty, join a CAS Section and build a reputation as a resource with your fellow members
- Make lasting connections with anesthesia professionals from across the country at the CAS Annual Meeting, the largest anesthesiology meeting in Canada, and at a significant discount for members.
- Elevating the profession and recognizing excellence, both within the anesthesia community and to the broader public. This is achieved through the annual CAS Honour Awards, Best Abstract Awards, social media channels and media relations



Renew now and join us for an exciting year at CAS!

CLICK HERE TO RENEW

ADDITIONAL BENEFITS

- CAS members also benefit from discounts on CPD accreditation, and personal insurance coverage.
- As an **accredited CPD provider** of the Royal College of Physicians and Surgeons of Canada, the CAS CEPD team can provide you with assistance in organizing and accrediting your meeting/program. Members that meet accreditation criteria get 1/3 off the regular rate (\$750 \$1,500).
- With **MD Financial** members can access customized financial services through the CAS website, including a full range of educational content, advice and financial planning solutions tailored to your specific needs as a healthcare provider caring for patients before, during and after surgery.
- Exclusive group rates and customized coverage on home and auto insurance with The Personal
- · Special Discounts on other society meeting registration including ASA, Australia, AAGBI, etc.



ANNUAL MEETING SCIENTIFIC PROGRAM COMMITTEE UPDATE

In the summer, we established the new Annual Meeting Scientific Program Committee (AMSPC) which is the scientific planning committee for the CAS Annual Meeting. They are tasked with the comprehensive planning and execution of the event's scientific program, as well as overseeing abstract competitions and presentations. The CAS Abstracts Subcommittee operates under the umbrella of AMSPC and is responsible for ensuring the equitable and prompt evaluation of all submitted abstracts for the Annual Meeting. The primary objective of the AMSPC is to curate a program that offers our members the highest quality content.

It's a pleasure to announce the Annual Meeting Scientific Program Committee for 2023-2024!

- Dr Jason Chui, Chair
- Dr Virendra K Arya, At Large
- Dr Pablo Perez D'Empaire, At Large
- Dr Camila Machado de Souza, At Large
- Dr Wesley Rajaleelan, At Large
- Dr Fahad Alam, Continuing Education and Professional Development Representative
- Dr Shalini Dhir, Abstract Subcommittee Chair

The committee is currently reviewing all the session proposals from our sections, committees and affiliates to form a comprehensive and engaging scientific program of the upcoming Annual Meeting. Stay tuned for registration details and the release of the program in February 2024.



Dr Jason Chui Chair, Annual Meeting Scientific Program Committee





2024 RESEARCH PROGRAM

The CAS research program provides essential funds to develop and grow Canadian anesthesia research. The 2024 research program offers two types of research grants through CARF: Operating Grants and the CAS Career Scientist Award in Anesthesia.

Deadline to apply is January 7, 2024. Check out our website for guidelines, criteria and more details.

www.cas.ca/research-program



Three of 2023's CAS Research Program Winners - Dr Ahtsham Niazi, Dr Lorraine Chow, Dr Karim Ladha

PROGRAMME DE RECHERCHE

Le programme de recherche procure des fonds essentiels pour faire évoluer et croître la recherche en anesthésie au Canada. Le programme de recherche 2024 offre deux types de subventions de recherche par l'entremise de la FCRA : les subventions de fonctionnement et la Bourse de carrière de recherche de la SCA dans le domaine de l'anesthésie.

Visitez notre site Web pour plus de détails

http://www.cas.ca/programme-de-recherche

CAS MEMBER NEWS

The Honourable Elizabeth Dowdeswell, Lieutenant Governor of Ontario and Chancellor of the Order of Ontario, announced 26 new appointments to the Order of Ontario for 2022. Since it's creation in 1986, more than 800 people have been recognized with the province's highest civilian honour for their extraordinary contributions. Among them is **Dr Beverley Orser**, a leading Canadian anesthesiologist and prominent CAS member.

Dr Beverley Orser

A physician/scientist at Canada's largest trauma centre, Sunnybrook Health Sciences Centre, Dr Beverley Orser is one of the world's leading researchers in anesthesiology whose ground-breaking work is focused on optimizing anesthesia, improving access to safe care in rural communities and mitigating post-operative delirium and cognitive decline. A global leader in medication safety, Dr Orser is serving with the International Anesthesia Research Society and other international organizations, dedicating her life to pioneering research and advancing understanding of how anesthetic drugs alter brain function.



Read More

CAS Members Appointed to 2024 WFSA Committees

Several CAS members have been appointed to World Federation of Societies of Anesthesiologists (WFA) committees. Final membership will be announced to the **General Assembly in Singapore**, with the first 2024 Committee meetings taking place in person in Singapore.

A full list of committees members can be found on their website.

Congratulations to all appointees!



CAS FALL EVENT RECAP

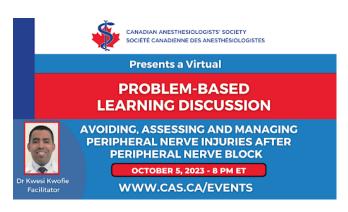
- AN EXCITING END TO A BUSY YEAR

The Canadian Anesthesiologists' Society wrapped up a busy year with an action-packed event schedule in the fall. We were happy to see so many CAS members take advantage of these exciting webinars. All video recordings are available on the CAS Member Portal.



CAS Neuroanesthesia National Virtual Rounds #3 - September 20, 2023

The third neuroanesthesia national virtual round featured two exciting topics. Dr Jaeun Yang spoke on Hemodynamic Management of Acute Traumatic and Non-Traumatic Spinal Cord Injury Patients, while Dr Abduladem Alshabeb explored Mannitol vs Hypertonic Saline.



PBLD – Avoiding, Assessing and Managing Peripheral Nerve Injuries After Peripheral Nerve Block - October 5, 2023

Dr Kwesi Kwofie led an online Problem-Based Learning Discussion, focusing on peripheral nerve injuries and nerve blocks.



CAS Chronic Pain Webinar - Outcomes Of Neuromodulation In Chronic Pain Conditions

The Chronic Pain Section held a Neuromodulation webinar on September 27, 2023. The webinar promoted the advancement of neuromodulation in the treatment of chronic pain and provided leadership in the responsible and safe use of neuromodulation therapies.



The Canadian Anesthesiologists' Society -Looking Back On 80 Years - October 12, 2023

In October, the Archives and Artifacts Committee, led by Chair Dr Michael Wong, examined the 80 Year history of CAS.

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CAS Perioperative Webinar – The Role Of Resuscitative Transesophageal Echocardiography - October 24, 2023

The CAS Perioperative Section led a webinar on October 24, 2023, to address the role of resuscitative transesophageal echocardiography (TEE). Throughout the session, Dr Pablo Perez D'Empaire highlighted the importance of resuscitative TEE as an innovative form of point of care ultrasound that is especially relevant in the perioperative period.



Brain-Based Definition and Determination of Death in Canada - November 15, 2023

In November, the *Canadian Journal of Anesthesia* discussed a special issue entitled, "A brain-based definition of death and criteria for its determination after arrest of circulation or neurlogic function in Canada: a 2023 clinical practice guideline."



CAS Neuroanesthesia National Virtual Rounds #4 - November 8, 2023

The CAS Neuroanesthesia Section hosted its last national virtual round of the year in November. Dr Amy Mitchell discussed perioperative considerations for the Moyamoya patient, while Dr Kieran Nunn examined perioperative blood pressure management for stroke thrombectomy.



PBLD - Everyone's Nightmare: The Dreaded Outof-OR Difficult Airway - November 20, 2023

The final event on the CAS' calendar was a Problem-Based Learning Discussion, focusing on the decision points of managing an out-of-OR difficult airway, a situation that is associated with significant morbidity.

SAVE THE DATE • JANUARY 27th • 2024

Join the Regional and Acute Pain Section for a webinar in celebration of the 1st World Day of Regional Anesthesia and Pain Medicine. The webinar will include four talks relevant to most practicing anesthesiologists.

REGISTER AT **www.cas.ca/regional-webinar**VIEW ALL UPCOMING EVENTS ON OUR WEBISTE



CJA ON THE CUTTING EDGE

- SHOULD WE BE CONCERNED ABOUT THE PERIOPERATIVE USE OF GLP-1 AGONISTS?

By Philip Jones, Deputy Editor-in-Chief of the CJA

The August 2023 issue of the Journal focused on gastric ultrasound. In this issue, an editorial highlighted the potential risks of glucagon-like peptide-1 (GLP-1) receptor agonists. These drugs are used to improve glycemic control in people with type 2 diabetes mellitus and for weight loss. Many of these drugs have long half-lives (e.g. semaglutide, whose half-life is approximately one week). GLP-1 receptor agonists have seen impressive growth in North America. They figure prominently in popular culture, with many influential people taking a GLP-1 agonist and posting about it on *Tik Tok, X, Instagram*, or *Facebook*.

From a population health perspective, GLP-1 receptor agonists appear to be drugs that may have an enormous positive effect, particularly given our society's problem with both obesity and type 2 diabetes. But, there is now emerging data that there may be a safety concern with the perioperative usage of GLP-1 receptor agonists, specifically with a potentially increased incidence of regurgitation of gastric contents and pulmonary aspiration. In March 2023, the CJA published the first description of aspiration of gastric contents in a patient taking semaglutide for weight loss (despite 18 hrs of appropriate fasting). In June 2023, another case report was published in the Journal that involved a patient (non-diabetic, and non-obese, who had been fasting for 20 hrs for solids and 8 hrs for clear fluids) undergoing general anesthesia for elective breast surgery. This patient regurgitated a large volume of gastric contents but fortunately did not aspirate.

Apart from case reports, there is limited information available from prior studies of patients undergoing upper gastrointestinal endoscopy. These studies, although limited by small sample sizes, showed residual gastric content occurred anywhere from 4-10 times as much in patients taking GLP-1 agonists compared to people not taking these drugs.

Where do we stand right now? Case reports and retrospective observational studies have a limited ability to directly inform clinical care. It is possible these are nothing but spurious associations and that there is no increased aspiration risk with GLP-1 receptor agonists. Nevertheless, until more data is available, if clinicians deem it desirable to hold these medications perioperatively, clinicians need to fall back on their knowledge of pharmacokinetics to guide how long a patient should stop taking these drugs. To eliminate 88% of, for example, semaglutide, it would need to be held for three weeks (three half-lives). Multiple groups have provided considerations for the perioperative management of GLP-1 agonists, but, due to the very limited evidence base, the considerations are not yet congruent. This will get better with time as the evidence base enlarges. Until then, caution is likely in order to avoid the potentially catastrophic consequences of aspiration. This may involve full stomach precautions being used when they otherwise would not have been. All risks should be discussed openly and transparently with patients, including the very limited evidence base currently available to guide our clinical care. We would encourage readers of the Anesthesia News to read the CJA editorial and other articles on the subject.

Access CJA issue



Canadian Journal of Anesthesia Journal canadien d'anesthésie

Excellence in research and knowledge translation in anesthesia, pain, perioperative medicine, and critical care / L'excellence en recherche et en transfert des connaissances en anesthésie, en douleur, en médecine périopératoire et en soins critiques

QUALITY AND PATIENT SAFETY BULLETIN

- PIV Injuries in OR

Dear Friends and Colleagues,

Since I became Chair of QPSC, we have all faced great challenges and an environment of almost constant change. We face significant resource restrictions at a time of low resilience yet, colleagues continue to carry out important local QI projects that fly under the radar. I am acutely aware of how easy it is for me to perform my own QI work when I am so wonderfully supported by my colleagues at SickKids, and amply rewarded by way of recognition through publications, invitations to present our work, and the wonderful opportunity I was given in 2020/2021 to chair this committee. I remain cognizant that many within our profession are carrying out high-quality, successful, impactful projects which are of considerable benefit to their patients but little or no recognition is available (and probably not even sought). It is also possible that our colleagues cannot afford the time or resources to travel to conferences, present posters and abstracts, write up lengthy manuscripts, etc. I am also reminded of the following words, which were published in the Winter 2021 edition of CAS **Newsletter** by way of introducing me to my current role:

'Regarding my personal aspirations for the Quality & Patient Safety Committee, over the next three years I would like to see Quality Improvement (QI) elevated to a nation-wide platform whereby QI is practiced, taught and discussed within as many departments and clinical groups as we can reach between now and 2024.'

I am most proud of my committee colleagues, the dedication they have brought to our meetings, the content they have provided and delivered at the Annual Meeting(s), and, maybe most of all, their enthusiasm for what we can do next. On behalf of QPSC, we intend to create and launch a space / platform from which our committee and society can highlight and share QI work within Canadian Anesthesiology.

As a collective effort of CAS QPSC, we ask that you send us your QI work so we might hold it up for all to see. Of course, there are a few ground rules to explain but not many:

- 1. Who can submit? Anyone: Consultants, Residents, Fellows. We would prefer that submissions have at least 1 local attending name attached but are willing to consider exceptions on an ad hoc basis.
- 2. What should '1' submit? Great question, I'm glad you asked. If you are part of a large, dedicated QI team and your project is likely to be submitted for publication or presented at conferences then maybe you don't need

- this forum as much as colleagues with less resources, i.e., colleagues doing this work solo off the edge of a desk they share with three other people. If in doubt, do please contact us and we will help you decide.
- **3.** Are you asking me to write a paper? Nope! We are including an example in this month's Newsletter of a small project carried out by one of my own colleagues (admittedly at a large institution) as an excellent example of, "well, it just needed to be done but it's not like I'm going to publish it anywhere". This is a template for how we would like to consider and showcase your work.
- **4.** I've looked at your example, I don't have the software to do that. That's okay, we can assign a committee member to help/coach/mentor you through that part of the process.
- 5. So, what would a submission look like? Well, either a PDF that looks something like the example we are showing today, or a word document [1-2 pages] that outlines the problem, why you tackled it, how you tackled it, and how things turned out in the end. We also ask that you provide a contact email so others can reach out to discuss your work in more detail should they desire.
- 6. Please do not submit projects already published.
- 7. Who decides whether to 'accept a submission'?
 Well, this isn't a journal, it's an open call. Should we get deluged with submissions we will obviously have to make some judgement calls, however, our intention is to start a conversation, create a network, let people know who is doing what and where so, the more the merrier.

We look forward to hearing from you all. For further enquiries, and/or to send us your submissions, please email us at anesthesia@cas.ca.



Dr Conor Mc DonnellChair, Quality and Patient Safety Committee

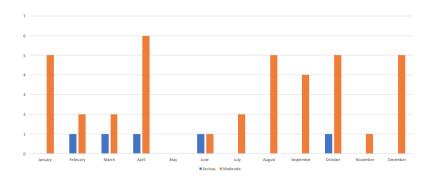
PIV Injuries in OR

What is a serious PIV injury?

- Fasciotomy required
- Skin graft or tissue transfer at any time after extravasation event
- No palpable distal pulse on initial assessment (exclude chronic low blood flow conditions)
- Full thickness skin loss
- Deep partial thickness burns that extend deeply into the second layer of skin and can quickly evolve into a full thickness (or third degree) burn. Symptoms include: Red and white skin that does not blanch readily, Bloody blisters are present

Is this a real concern?

Local IV intravasation data



Yes, there have been many events reported in our hospital. We also, sought input on email listserv from other departments and hospitals re concerns, work carried out to date, local guidelines if any existed. We received confirmation this is a concern across multiple sites. We also received many helpful comments and insights

Can we predict who is at risk?

We analyzed 12-15 local events and added these to benchmarking data to identify 7 common factors ...

- a. Extremes of size (prems, neonates, high BMI)
 - b. Difficulty securing access (> 3 attempts)
 - c. Likely need for rapid fluid/blood infusion
- d. Pre-existing cannulas with long dwell time
 - e. Prolonged surgery

f. IV sites not visible (drapes, surgical tables, personnel, etc)

g. Type of infusate (e.g. Calcium, High K)

Can we prevent injuries, or at least detect them early enough to avoid harm?

The presence of 3 or more risk factor (A-G above) prompts team discussion pre-incision regarding risk of interstitial IV during surgery and need for access to the site in order to perform hourly visual checks. Action Items 1-9 include...

- 1. Notify parents of at risk patients regarding the possibility of interstitial IV as part of the consent process.
- 2. Identify ideal PIV Cannula size for different patient populations
- 3. Consider clear drapes wherever possible, especially consider:
- [a] laparotomies in neonates and infants
- [b] where possible, use clear drapes over at risk limbs when clear drapes cannot be used over surgical site, e.g. craniotomy, limb surgery, etc.
- 4. Avoid tucking in of limbs to provide better access for PIV inspection
- [a] Minimize wrapping limbs in all patients
- [b] Use arm-boards rather than tucking for larger patients where possible
- 5. Institute hourly visual PIV inspection for cases lasting longer than two hours
- [a] Shared responsibility between anesthesia and nursing
- [b] Anesthesiologists document IV checks on anesthetic record
- 6. Recognize that despite the above recommendations, there will be circumstances e.g. need for rapid transfusion using blood pumps where PIV infiltration may not be preventable.
- 7. All interstitial IV's (both pre-existing IV's and those inserted in the OR) must be reported via the Safety Reporting System.
- 8. In the event that an IV becomes interstitial intra-operatively, the division of plastic surgery will be consulted using the hospital wide guidelines regarding PIV injuries.
- 9. This topic should be covered during the semi-annual orientation for all residents and fellows.

Follow-up & Future Directions**

- *Zero incidence of SEVERE IV extravasation in last three years
- **Identify methods (e.g. Ultrasound) to enable/confirm placement of at risk IV's
- **Hourly EHR-alerts to check at-risk IV
- **Consider use of new Interstitial IV detection devices in high risk patients if / when these become available

For more information: mark.levine@sickkids.ca

ANESTHESIA HISTORY CORNER – **EXPLORING CAS' ARCHIVES**

By Michael Wong

"What to do with old pieces of anesthesia equipment? The short answer: not throw them away, but find a good home for them...These items deserve to be seen, instead of being hidden away in storage." David Shephard, 2003

[Note from author: Please do not send us old anesthesia equipment]

Since its inception, CAS has maintained archival holdings of society correspondence and historical relics, an objective alluded to in its original bylaws. David Shephard, the well-known CAS historiographer and author of the society's definitive history, *Watching Closely Those Who Sleep*, emphasized the preservation of Canada's anesthetic history and encouraged members to retain outdated equipment otherwise to be discarded.

Internationally, a number of anesthesia societies boast permanent collections for public display and education, such as the American Society of Anesthesiology (Wood Library-Museum), Australian Society of Anaesthetists (Harry Daly Museum), Australian and New Zealand College of Anaesthetists (Geoffrey Kaye Museum of Anaesthetic History), Association of Anaesthetists (Anaesthesia Heritage Centre), and Japanese Society of Anesthesiologists (Japanese Museum of Anesthesiology). However, we in Canada have not had such a dedicated museum to call our own. The transition of our CAS headquarters from its physical location at 1 Eglinton Ave to a virtual office during the pandemic further diminishes the possibility of establishing such a museum.

So, where is CAS' historical artifact collection? After consultation with professional archivist Felicity Pope, some were transferred to the Canadian Science and Technology Museum in Ottawa or the Museum of Health Care in Kingston, where they have enjoyed professional conservation for the past decade. The remaining items are now in storage, with many of them having been further catalogued by archivist Stephanie Zaslov before vacating our former office. Furthermore, several dozen boxes of unsorted CAS archival materials await inventory at a later time.

Now, at popular request, our available catalogue will be made available on the **CAS website**, **under the History > Archival Resources section** for all to peruse. A select few items from our collection are showcased here.



Emotril Trichloroethylene Analgesia Apparatus



Assorted facemask adaptors



Cyclopropane flow meter



Harold Griffith's Presidential Badge, from the World Federation of Associations of Anaesthesiologists. "ANAESTHESIA DEORUM ARS"

References

- Canadian Anesthesiologists' Society. Annual Report. 2014
- Pope F. A report concerning the artefact collection of the Canadian Anesthesiologists' Society. Toronto; 2006.
- Shephard DAE. Historic anesthesia equipment. *Anesthesia News.* 2003; 18(2).
- Shephard DAE. The future of CAS archives. *Anesthesia News*. 2004; 19(2).

Announcements

CANADIAN ANESTHESIOLOGISTS' SOCIETY INTERNATIONAL EDUCATION FOUNDATION (CASIEF) – WINTER UPDATE

Dear CAS Colleagues:

Did you know our partner program at Black Lion Hospital in Ethiopia is now accepting 30 residents per year into its residency program? You can imagine the challenges facing the limited number of teaching faculty in providing quality education. As highly trained Canadian anesthesiologists, CASIEF represents YOUR ability to share your knowledge and experience with our colleagues in resource-limited areas. Since the pandemic, CASIEF has now ramped up all of its partner programs, in Rwanda, Guyana, and two in Ethiopia. Please visit us at www.casief.ca, and let us know if you are interested in becoming a volunteer educator- we would love to talk to you about the opportunities available.

2024 CAS Annual Meeting - Victoria, BC

We are excited to plan CASIEF's activities in Victoria! Our annual Symposium will feature fascinating talks from Canada and abroad about physician burnout, giving this important topic a global perspective. Also, for the first time, CASIEF is pairing up with our sister foundation, Canadian Anesthesia Research Foundation (CARF), to put on a joint fundraising evening of food, drinks, talks and entertainment. This will take place at the Victoria Public Market, on Friday June 7, and will be an evening not to be missed! More details to follow.

Thank you donors!

CASIEF would like to thank all of our onetime, annual and monthly donors; without your generosity we could not carry out our important programs (see list next page). Are you a monthly donor? If you have not signed up, please think about doing so- monthly donations help provide consistency and predictability in our partnerships to train new anesthesiologists in areas in the world that need assistance the most.

Exciting educational tool for sale!

Anesthesiology programs across Canada are being offered a chance to be the first to purchase a set of Virtual Reality goggles, donated by the Drager group. They have included a subscription to their impressive VR program for **anesthesia education**; they can also be used with any gaming platform! These goggles would be an ideal educational tool for anesthesiology residency programs and simulation. Further information at **info@casief.ca**.

Please support CASIEF, the Canadian anesthesiology community's contribution to anesthesia education in less fortunate areas of the world. Are you interested in volunteering in any of our partner programs to Ethiopia, Rwanda and Guyana? Make 2024 your year for a first or repeat trip; our volunteers always find their experiences to be satisfying and unforgettable! For more information please email <code>info@casief.ca</code>. If you have not seen our videos about CASIEF's partnerships please visit our <code>YouTube channel</code>, and find us on <code>Twitter</code>, <code>Facebook</code> and <code>Linkedin</code>.

Thank you for your support!

Joel Parlow, Chair, CASIEF





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(January 1 - September 30, 2023) Monthly donors are depicted in colour and their anticipated donations are estimated for the entire year



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Thank you for your ongoing support!



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CANADIAN ANESTHESIA RESEARCH FOUNDATION (CARF)

- WINTER UPDATE

CARF is pleased to announce that we will be providing \$245,000 for research grants in 2024. In addition, we have once again teamed up with CAS Sections to offer \$300,000 for anesthesia research and we would like to do much more.

Applications are open now and the deadline for submission is January 7, 2024. All applications will

be adjudicated by the Research Advisory Committee chaired by Dr Philip Jones.



Career Scientist Award	CAS Career Scientist Award in Anesthesia x 2	\$120,000.00
New Investigator Operating Grants	Canadian Anesthesiologists' Society Research Award	\$30,000.00
New Investigator Operating Grants	Dr James Beckstead Award	\$20,000.00
Open Operating Grants	Dr R A Gordon Research Award	\$30,000.00
Open Operating Section Grants	Ambulatory Section Research Grant	\$10,000.00
Open Operating Section Grants	Section for Education and Simulation in Anesthesia Research Grant	\$10,000.00
Open Operating Section Grants	Environmental Sustainability Section Research Grant	\$10,000.00
Open Operating Section Grants	Obstetric Anesthesia Section Research Grant	\$20,000.00
Open Operating Section Grants	The Su Ganapathy Regional Anesthesia Research Award	\$10,000.00
Open Operating Section Grants	Dr Earl Wynands CVT Section Grant	\$30,000.00
Residents' Research Grant	Ontario's Anesthesiologists – CAS Residents' Research Grant	\$10,000.00

Total \$300,000.00

While we have some things to be proud of, CARF would like to do a lot more. Research is a fundamental part of what it means to be a profession and it is key to our development. Please give generously to CARF and if you are you are interesting in getting more involved or know someone interest please contact me at **stuart.mccluskey@uhn.ca**. We are actively looking for Trustees from industry and the general public. We are also in need of a Vice Chair for CARF to keep us moving into the future.

In the coming year, we will be bring back Change4CARF Version 2.0 as the first initiative was savagely attacked by COVID-19. Keep an eye out for funding requests and know that your support will help a young investigator make change happen.

At next year's **CAS Annual Meeting in Victoria**, we will be cohosting with **CASIEF** a welcome event at Victoria

Public Market. The event will include an impressive silent auction where you might be able to purchase time at a 3-bedroom lakefront home in the Muskoka or 5-bedroom, o a log cabin which is a 5 min walk from Whistler. All proceeds will support CARF and CASIEF. The auction will be appearing online, and if you have item for the silent auctions please send us the details.

Save the date and place, Friday, June 7th, 2024 at Victoria Public Market, Victoria BC.

Give generous to support the future of our profession.

Stuart McCluskey, MD, PhD CARF Chair

Doreen Yee, MD

Past Chair

SINCE 1985, CARF HAS FUNDED

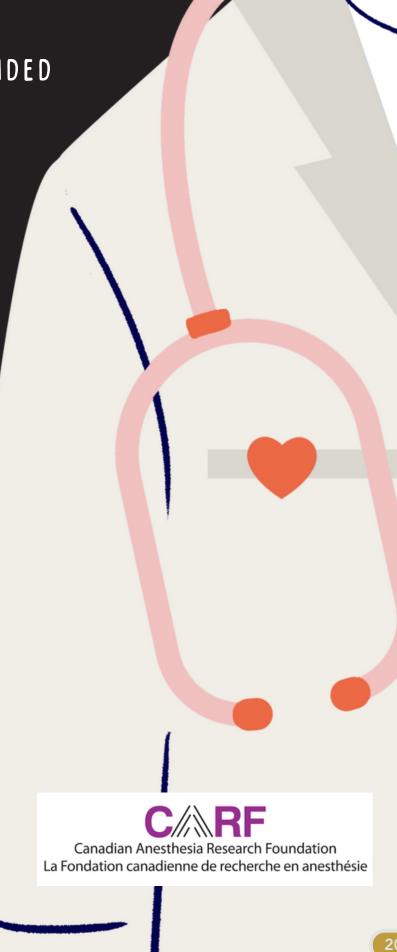
DID YOU KNOW...

276 RESEARCH AWARDS?

PLEASE GIVE TO CARF TODAY AND HELP US CONTINUE TO BE THE LEADERS OF ANESTHESIA RESEARCH IN CANADA!

SCAN THE QR CODE BELOW TO MAKE AN ONLINE DONATION AND RECEIVE YOUR TAX RECEIPT INSTANTLY!





RESIDENTS REPORT

As we end 2023, we are excited for the events to come in 2024 and beyond! We are working on planning the resident specific programming for the **2024 CAS Annual Meeting** which will occur in Victoria, BC in June 2024. We will be sure to have sessions for residents at all stages in their careers. Another initiative we are *hoping* to bring back to the upcoming conference is the much-anticipated Simulation Olympics which has not occurred since prior to the pandemic. Please keep Friday, June 7, 2024, in mind if you would like to participate!. Stay tuned for further details.

It is also a pleasure to announce your CAS Residents' Executive Section for 2023 to 2024!

Chair: Dr April Liu

Vice-Chair: Dr Jessie Liu

Wellness Officer: Dr Shane Leyen

Communications Officer: Dr Rex Park

Resident Engagement Representative: Dr Kristin Ko

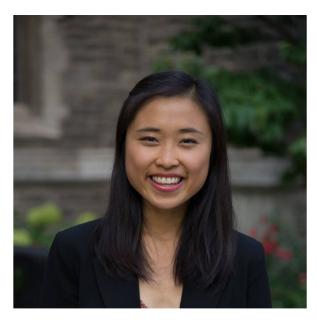
Simulation Olympics: Dr Allan Meldrum

Simulation Olympics: Dr Claire Moura

Board of Directors Representative: Dr Melissa Liu

As always, don't hesitate to reach out if we can support you in any way or if you have any ideas you would like to propose to us. We can be reached at **casresidents@gmail.com**. We are also on **Twitter** and **Facebook**.

CAS is happy to be able to support you with **complimentary membership** during your studies. Good luck as you continue your residency!



Dr April Liu,PGY3 Anesthesia Resident, McMaster University,
Chair, Residents Section

Visit the CAS Residents Webpage

EXCITING UPDATES FROM THE CAS AMBULATORY SECTION

I am truly privileged and honoured to serve as the Chair of the **CAS Ambulatory Section**, building upon the legacy of our past efforts and the recent success of our sessions from the previous year. The positive feedback we received speaks volumes about the dedication and enthusiasm of our members, and I'm thrilled to share some exciting updates for the upcoming year.

1. New Leadership Appointments:

- Dr Natalie Clavel, Vice Chair.

Dr Clavel brings a wealth of experience in ambulatory anesthesia, with a focus on patient-centered care. Her innovative approaches and commitment to education make her a valuable addition to our leadership team.

- Dr Mahesh Nagappa, Past Chair.

Dr Nagappa's past contributions have significantly shaped our section, and we are grateful for his continued involvement. As Past Chair, he will provide valuable insights and continuity to guide us toward future success.

2. CAS Ambulatory Section Research Grant:

- Research Areas:

The grant supports research initiatives across various areas of ambulatory anesthesia, such as perioperative management, patient-centered outcomes, and innovative technologies. Your research has the potential to contribute significantly to the evolution of our field and improve patient outcomes.

- Application Process:

Visit the provided link for detailed information on eligibility, application requirements, and deadlines. We encourage members to actively participate and contribute to the growth of ambulatory anesthesia research.

3. Invitation to the 2024 CAS Annual Meeting in Victoria, BC

- Engaging Sessions:

Anticipate interactive sessions featuring renowned speakers, case discussions, and the latest advancements in ambulatory anesthesia. Your participation will be key in making these sessions truly enriching.

- Networking Opportunities:

Join fellow members for networking events where you can connect with peers, share experiences, and build professional relationships. The CAS meeting in Victoria is an excellent platform to expand your professional network.

4. Upcoming Initiatives:

- Around-the-Year Webinars:

Topics will include emerging trends, case studies, and discussions led by experts in ambulatory anesthesia. These webinars provide ongoing opportunities for learning and professional development.

- New Initiatives at the 2024 CAS Annual Meeting:

Attend our member engagement networking event to connect with colleagues from around the country. Workshops will delve into practical skills, and PBLDs offer a collaborative learning environment. Your active participation will make these initiatives a success.

5. Continued Engagement with the Section Executive:

We value your input and encourage continued engagement with the Ambulatory Section Executive. If you are passionate about shaping the future of ambulatory anesthesia within CAS, we invite you to apply for the Treasurer-Secretary position on our section executive team. Your unique skills and perspectives will be invaluable as we work together to advance our field.

Please submit your application and a brief statement of interest to anesthesia@cas.ca. We look forward to welcoming a dedicated individual to our executive team.

As we embark on this journey together, I encourage you to actively participate in the initiatives, share your insights, and be a driving force in shaping the future of ambulatory anesthesia within the CAS community.

Thank you for your continued support, and I look forward to a year filled with collaboration, growth, and success.

Best regards,



Dr Mandeep SinghChair, CAS Ambulatory Section

AN UPDATE FROM THE CAS

HOSPITAL CHIEFS OF ANESTHESIA SECTION

The Hospital Chiefs of Anesthesiology (HCA) Section was formed in 2018 by Dr Pascal Labrecque, Dr Colin McCartney and Dr Susan O'Leary, who shared in the Chair duties. The aim was to create a national anesthesia leadership forum to facilitate communication, sharing of ideas, solutions to problems and more. Understandably, the COVID-19 pandemic slowed the momentum of the newly founded section. The members of the current section executive are Dr Sylvie Aucoin (Chair), Dr Mateen Raazi (Vice Chair) and Dr Robert Doyle (Secretary-Treasurer). We are looking forward to increasing our presence and providing a national forum that provides resources to support anesthesia leaders from across the country.

The HCA Section held a successful and well-attended session at the 2023 CAS Annual Meeting

in Quebec City on "Strategies for Managing Unprofessional Behaviour in the Perioperative Environment". In response to feedback received following the session, plans are in place to run a longer, more in-depth workshop on this important topic at next year's annual meeting.

There has been interest in starting a national Anesthesiology Chiefs WhatsApp group to share information and advice. If you currently hold a position as a Hospital Chief in Canada and are interested in joining, please contact Dr Sylvie Aucoin directly at **syaucoin@toh.ca**.

We will be holding a virtual section meeting in the spring of 2024. This will be an opportunity to identify section priorities and elect our new section executive as the terms for current section executive end in summer 2024.

HCA Section Executive:



Chair:Dr Sylvie Aucoin

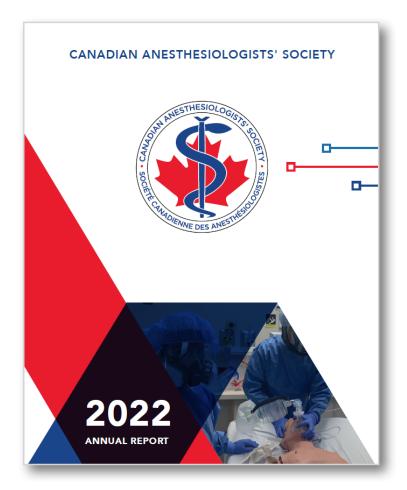


Secretary-Treasurer: Dr Robert Doyle



Vice-Chair:Dr Mateen Raazi

- A YEAR OF CELEBRATION AND CHANGE



Have you seen the CAS' **2022 CAS Annual Report?** The CAS Annual Report stands as a comprehensive reflection of the achievements, progress, and endeavors of CAS throughout the year. Thank you to our members and volunteer leaders for making 2022 a successful year.

Highlights include:

- Reports from the CEO and President
- An Anesthesia Advocacy Update
- 2022 Membership Summary
- Education A Year of Learning
- Celebrating our Members CAS Award Winners
- Canadian Journal of Anesthesia Report
- Section, Committee and Foundation Highlights
- CAS Teams and Leaders

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RENEWAL FOR 2024 IS OPEN!

CAS puts members first. We strive to provide the right support for members at all stages of their respective journeys in anesthesia. For over 80 years we've acted as a collective voice for the profession. Find out what CAS membership can do for you.

WWW.CAS.CA/MEMBER-BENEFITS









For membership-related inquiries, please contact membership@cas.ca



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 March 2021
- An updated introduction to electroencephalogram-based brain monitoring during intended general anesthesia - December 2020

How to Access the Modules:

Instructions can be found on the Canadian Anesthesiologists' Society website at: www.cas.ca/cpd-online

All modules are an Accredited Self-Assessment Program (Section 3) 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.

Successful completion of a module entitles readers to claim up to four hours (credits are automatically calculated), for a total of 12 maintenance of certification credits.



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