

CAS

ANESTHESIA NEWS

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CANADIAN ANESTHESIOLOGISTS' SOCIETY

TABLE OF CONTENTS

- 01 Joint Message from the CAS President and CAS Chief Executive Officer
- 02 Board of Directors
- 03 Advocacy Update
- 05 Join Us - 2024 CAS Annual Meeting – Victoria, BC, June 7–10
- 08 CAS Education – 2024 First Half Wrap-Up
- 11 New CPD Module – Ambulatory Total Hip and Knee Arthroplasty: A Literature Review and Perioperative Considerations
- 12 CAS Member News
- 13 Research Review – Dr Daniel McIsaac
- 15 CJA on the Cutting Edge – 2024 CAS Annual Meeting Programming
- 16 Anesthesia History Corner - From the CAS Artifacts Collection: Trichloroethylene (Trilene) Vaporizer
- 17 Residents Corner – 2024 CAS Annual Meeting
- 18 CARF – Summer Update
- 19 CASIEF – Spring Update
- 20 CASIEF Donors – Thank You
- 22 CAS Ontario Division: Save the Date: Ontario Anesthesia Meeting and Conference Weekend, September 27-29, 2024
- 24 The Self-Assessment Program from the CJA – CPD Online

www.cas.ca

JOINT MESSAGE FROM



THE CANADIAN ANESTHESIOLOGISTS' SOCIETY PRESIDENT AND CEO



Dr Lucie Filteau,
CAS President



Vanessa Foran,
CAS Chief Executive Officer

As always, much is happening behind the scenes at CAS! Our Annual Meeting is right around the corner, and we hope that you'll join us in Victoria from June 7-10th. We have an incredible lineup of educational and social events planned, thanks to our Annual Meeting Scientific Planning Committee led by Dr Jason Chui, Ashley Smith, CAS Director of Programs and Member Engagement, and The Bayley Group, our event management team.

Check out our [website](#) or our [Annual Meeting preview](#) for event highlights. It's not too late to [register](#) so consider coming to Victoria for the best possible way to get your CME! A special thank you goes to our Continuing Education and Professional Development Committee for the laborious process of achieving meeting accreditation.

CAS' [educational offerings](#) have once again expanded significantly! There have been 9 virtual events (webinars and pinnacle rounds) since Jan 2024, and even more are being planned for the rest of the year. Recordings of past events can be accessed in the members' section of our website (login required). The CPD Modules Subcommittee, led by Dr Kathryn Sparrow, has launched a [new CPD Module](#) "Ambulatory total hip and knee arthroplasty: A literature review and perioperative considerations", which is highly relevant and a great way to earn valuable Section 3 CME credits.

We recently celebrated National Volunteer Week (April 14-20) and took the time to recognize the many volunteers that contribute to CAS. We are deeply indebted to their tireless efforts, which make the Annual Meeting and virtual educational offerings possible!

...continued on page 2

In addition, our Board of Directors has been hard at work finalizing the CAS' strategic plan, and we are now launching an extensive review of CAS' governance structure, bylaws, policies, and procedures, which will strengthen the foundation upon which to grow our organization. These important changes will be communicated with our members as they are developed, so stay tuned over the coming months.

Our advocacy efforts continue on several fronts. You can read more about these activities **in this newsletter edition**. The Nominations Committee, led by Past President Dr Dolores McKeen, conducted multiple interviews in their search for a new Vice President. The Committee has put forward Dr James (Jim) Kim as their recommended candidate. A formal election will take place through a vote by the general membership at the Annual Business Meeting June 9th.

Personal note from Dr Filteau: in the blink of an eye, my two-year term as CAS President is soon coming to an end! As such, this will be my last President/CEO joint newsletter update. Once Dr Giuseppe Fuda, your current Vice President, is voted in as President at the Annual Business Meeting, he'll be joining Vanessa in providing you with these quarterly updates. It has been an incredible honour and privilege to serve our membership and to give back to our specialty. I look forward to supporting Giuseppe for the next two years as Past President and watching the organization continue to grow and flourish under his and Vanessa's leadership.

Warm regards,



Dr Lucie Filteau,
CAS President



Vanessa Foran,
CAS CEO

BOARD OF DIRECTORS

AS OF JUNE 2024

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)

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Dr Jadon Harding (Newfoundland & Labrador)

Dr Dennis Drapeau (Nova Scotia)

Dr Joseph Desreux (Prince Edward Island)

Dr Jennifer Landry (New Brunswick)

Dr Melanie Orvold (Saskatchewan)

Dr Nikola Joly (Quebec)

Dr Jennifer Plester (Manitoba)

Dr Annika Vrana (British Columbia)

Dr Cindy Wang (Ontario)

Dr Matthew Banasch (Alberta)

EX-OFFICIO MEMBERS

Dr Mateen Raazi, ACUDA President

Dr Melissa Liu, Resident Representative

[CLICK HERE TO VIEW ONLINE](#)

ADVOCACY UPDATE



CAS continues to disseminate the recommendations put forward in the positions statement: **Strategies to Address the Surgical Backlog and Health Human Resource Issues in Anesthesia.** At the provincial level, representatives from CAS and BCAS will meet with members of BC's Health Sector Workforce and Beneficiary Services in the summer to discuss developments and practical strategies. CAS also made new in-roads at the federal level, planning a summer meeting with representatives from Health Workforce Canada. We have also submitted a request to meet with all three political parties.

CAS President, Dr Lucie Filteau, continues to be in regular contact with Health Canada's medication and equipment shortage branches. She and Dr Conor Mc Donnell, Chair of the CAS Quality and Patient Safety Committee, have established a strong relationship with key contacts there, enabling CAS to be aware of and help mitigate shortages. CAS will continue to provide front line information about the importance of various medications/devices which helps to inform Health Canada about the level of response required (e.g. importation of foreign supply for Canadian shortages that are deemed critical and impactful to patient care). CAS also continues to disseminate safety bulletins to our members to keep them informed of supply disruptions. If you're attending the upcoming CAS Annual Meeting in Victoria, you can learn more about healthcare supply chain logistics by attending the President's Symposium on Sunday June 9.



**CANADIAN
ANESTHESIOLOGISTS'
SOCIETY**



CANADIAN ANESTHESIOLOGISTS' SOCIETY
SOCIÉTÉ CANADIENNE DES ANESTHÉSIOLOGISTES

CAS
2024

ANNUAL MEETING
JUNE 7-10
VICTORIA, BC

JOIN US IN
Victoria, BC

JUNE 7-10, 2024

**Registration is
Now Open**

Mark Your Calendars!

The CAS Annual Meeting offers delegates an outstanding scientific program, the multi-tiered agenda will include:

- ★ Residents' Competition
- ★ Richard Knill Competition
- ★ Problem-Based Learning Discussions (PBLDs)
- ★ Workshops
- ★ Test-Enhanced Learning Sessions
- ★ Exhibits and Sponsor Showcase
- ★ Posters
- ★ Annual Business Meeting

AND much more...

www.cas.ca/annual-meeting

#CASAM2024



JOIN US - 2024 CAS ANNUAL MEETING VICTORIA, BC • JUNE 7-10, 2024

On June 7-10, CAS will host the 2024 CAS Annual Meeting (AM). The site of the meeting will be beautiful Victoria, BC, and we hope to see many of our colleagues there. For those who are not attending, a select program will be streamed virtually.

Register now for what promises to be a great conference. Visit www.cas.ca/annual-meeting and hit the register button for options.

MAKE SURE TO ALSO FOLLOW US ON SOCIAL MEDIA, USING THE HASHTAG #CASAM2024



VIEW FULL PROGRAM HERE

Expansive Scientific Program



Each year, the conference offers an extensive scientific program comprising workshops and sessions spanning diverse anesthesia streams. Led by groundbreaking speakers and specialists, the Annual Meeting provides a prime platform for staying at the forefront of anesthesiology best practices, fostering hands-on learning experiences, facilitating research endeavors, and networking with esteemed colleagues. With undeniable benefits, including the opportunity to earn CME credits, the CAS Annual Meeting is not to be missed. Seize the chance to engage with leading professionals, shape your personal meeting agenda, and immerse yourself in a weekend of enriching connections and insights.

EARN SECTION 1 and SECTION 3 CREDITS

The CAS conference is a great opportunity to gain CME credits, and this year we are offering up to 17 hours of Section 1 credits and a total of 48 hours of Section 3 credits through workshops, problem-based learning discussions and test-enhanced learning sessions.



Dr Gunisha Kaur

The AM will launch with an opening keynote from Dr Gunisha Kaur, titled, "Re-Imagining Global Health in Medicine." Dr Kaur has devoted her career as a physician-scientist to enhancing the well-being of forcibly displaced populations, including refugees and asylum seekers. Leveraging her profound expertise in neuroscience research, she has pioneered the application of scientific methodology to the study of human rights issues.



Hands-on Workshops, including Point-of-care Ultrasound (POCUS)



Looking to enhance your technique and hands-on abilities? Look no further than our **AM workshop format!** Gain immediate access to peer and instructor support to refine your skills. With various options like POCUS, ultrasound-guided regional workshops, career planning, workplace strategies and more, there's something for everyone.

Problem-based Learning Discussions - PBLDs



Back by popular demand in 2024 are the **Problem-based Learning Discussions (PBLDs)**. Dive into a more immersive learning journey with our problem-oriented approach. Explore various pathways in case evolution and leverage your expertise to make informed decisions and elevate your critical thinking skills.

Competitions



During the CAS Annual Meeting, various competitions take place on-site. These include the Richard Knill Competition: the oral presentations of the highest-rated abstracts submitted to the CAS Annual Meeting. Additionally, the Residents' Competition recognizes the finest resident abstracts, aiming to promote scientific excellence among physicians undergoing anesthesia training in Canada.

Resident SIM Olympics Returns

After a hiatus due to the pandemic, the CAS Residents Section is thrilled to host the **4th Annual CAS Resident Simulation Olympics**. This is a friendly competition run by the CAS Residents Section for the CAS anesthesia resident community. Resident teams from across the country will compete through critical event simulations, held at the SIM Centre at the **Royal Jubilee Hospital**.

The winner will be awarded a \$1,000 grand prize and bragging rights!

Annual Business Meeting (ABM)



The Annual Business Meeting (ABM) welcomes all members to stay informed about the progress of the Executive Committee and the latest initiatives of the association through comprehensive reports. Gain valuable insight into our financial status and the significance of our achievements throughout the year. Listen to updates from prominent organizations such as the *Canadian Journal of Anesthesia (CJA)*, CARF and CASIEF.

Exhibit Hall



Every year, CAS presents an informative and captivating platform to discover new initiatives, services, and programs from a diverse range of partners. If you're seeking the latest innovations in anesthesia, the Exhibit Hall is your destination. The Annual Meeting greatly benefits from the financial support and in-person participation of these partners. We kindly request your assistance in ensuring they have ample opportunity to engage with you and your colleagues during the meeting.



CANADIAN
ANESTHESIOLOGISTS'
SOCIETY

Social Events

Our charming host city, Victoria, offers the ideal setting in which to connect with your colleagues in a social gathering unlike any other. Explore the beauty of Victoria and ensure you are part of this remarkable experience—join us this year, support our exceptional foundations, and be a part of something truly exciting.

[CLICK HERE for SOCIAL EVENTS](#)



CAS Soirée

Date: Saturday, June 8, 2024
Time: 7:00 pm - 10:00 pm PST
Place: Victoria Conference Centre,
Upper Pavilion and Courtyard
Price: \$120 per person

CAS Soirée - Unwind, Connect, and Celebrate in Style!

Indulge in an enchanting evening at the CAS Soirée, on Saturday June 8, 2024, in the Upper Pavilion and Courtyard of the Victoria Conference Centre (VCC). The VCC is a vibrant celebration of Victoria's diverse cultures and traditions, offering a sustainable venue for the CAS Soirée.

This event isn't just a gathering—it's a chance to reconnect with old friends and forge new connections with colleagues from every corner of the country. Delight your palate with a handpicked selection of gourmet hors d'oeuvres, sample a local beer or wine, all while enjoying a live musical performance by Lust Life Jazz Band.

The CAS Soirée is a perfect way to unwind after a day of learning at the 2024 CAS Annual Meeting, while sparking conversations and memories that will last a lifetime. And that's not all—your ticket includes two complimentary drink tickets.

[CLICK HERE to REGISTER](#)



CARF and CASIEF Kick Off Party

Date: Friday, June 7, 2024
Time: 6:30 pm - 11:00 pm PST
Place: Victoria Public Market,
1701 Douglas Street # 6, Victoria, BC
Price: \$120 per person

Get ready for an epic mash-up! For the very first time, **CARF** and **CASIEF** are teaming up to throw an unforgettable bash at the 2024 CAS Annual Meeting. Mark your calendars for Friday, June 7, 2024, as we kick off #CASAM2024 with a bang at Victoria Public Market. Nestled in the historic Hudson building in downtown Victoria, Victoria Public Market is a treasure trove of local goodies. Picture locally-made cheese, farm-fresh groceries, delicious pies and pastries, artisanal oils and vinegars, unique retail finds, and much more.

It's not just about the freshest, tastiest treats on Vancouver Island; it's a buzzing hub of community spirit, where food, art, and entertainment collide in the most spectacular way—all under one roof! Expect a night filled with delicious food and drinks, networking with colleagues, live music, and a **silent auction** – all in support of the incredible work done by CARF and CASIEF.

[CLICK HERE to REGISTER](#)

CAS EDUCATION

2024 FIRST HALF RECAP

The 2024 Education Season has been a busy one, with several topical webinars available for CAS members. Below is what we've launched so far. Stay tuned as we prepare for an equally exciting second half of the year for education in 2024.

WHAT'S HAPPENED SO FAR?



1st World Day of Regional Anesthesia and Acute Pain Medicine Webinar

January 27, 2024
12 pm ET

CANADIAN ANESTHESIOLOGISTS' SOCIETY

A webinar commemorating the 1st World Day of Regional Anesthesia and Pain Medicine, consisting of informative talks on spinal anesthesia drugs and recipes, regional anesthesia techniques, trauma, and pediatric anesthesia.

www.cas.ca/regional-webinar

MODERATOR: DR VISHAL UPPAL
PRESENTER: DR PATRICK WONG
PRESENTER: DR KWESI KWOFIE
PRESENTER: DR VIVIAN IP
PRESENTER: DR USHMA SHAH

1st World Day of Regional Anesthesia and Acute Pain Medicine Webinar

January 27, 2024

This webinar was conducted in celebration of the 1st World Day of Regional Anaesthesia and Pain Medicine in collaboration with the European Society of Regional Anesthesia. The event featured four informative talks tailored to the needs of practicing anesthesiologists, covering topics such as spinal anesthesia drugs and recipes, regional anesthesia techniques for shoulder surgery, trauma, and pediatric anaesthesia.

[WATCH A VIDEO of the webinar](#)



CAS NEUROANESTHESIA SECTION PRESENTS:

NATIONAL VIRTUAL ROUND

Wednesday, February 7, 2024
8 PM ET

Dr Anuja Rathore - "Role of Point-of-Care Ultrasound in Neuroanesthesia and Neurocritical Care"

Dr Wesley Rajaleelan - "Neuroanesthesiology Training, a Global Perspective"

WWW.CAS.CA/NEURO-EVENTS

Neuroanesthesia National Virtual Round # 1

February 7, 2024

This event focused on the role of Point-of-Care ultrasounds in neuroanesthesia, as well as global neuroanesthesia training.

[WATCH A VIDEO of the webinar](#)



2024 CAS PINNACLE ROUNDS SERIES

Canadian Airway Training: Guideline-Based or Choose Your Own Adventure?

February 15, 2024 - 8 PM ET

Moderator: Dr Greg Manning
Presenter: Dr Laura Duggan

www.cas.ca/pinnacle-rounds

Canadian Airway Training: Guideline-Based or Choose Your Own Adventure?

February 15, 2024

Airway education is a highly variable among Canadian universities and within programs, with a noticeable gap in emphasizing individual skills over teamwork. Compared to other emergencies like trauma and cardiac arrest, the recognition and coordinated team response during airway emergencies has been lacking. This round aimed to tackle these challenges and assist in evaluating airway guidelines effectively.

[WATCH A VIDEO of the webinar](#)

...continued on page 9



2024 CAS PINNACLE ROUNDS SERIES

**Perioperative Mental Health:
The Elephant in the (Operating) Room**

March 6, 2024 - 8 PM ET

Moderator:
Dr Angela Jerath

Presenter:
Dr Renee El-Gabalawy

www.cas.ca/pinnacle-rounds

The banner features a blue background with a white bar at the top containing the title. Below the title, the date and time are listed. Two circular headshots of the moderator and presenter are shown, along with the CAS logo on the right.

Perioperative Mental Health: The Elephant in the (Operating) Room

March 6, 2024

The event highlighted that 1 in 5 Canadians face diagnosable mental disorders yearly, with surgical patients facing an elevated risk. Recognizing the significant impact of psychological factors on critical surgical outcomes, the session aimed to address the lack of targeted interventions and the infancy of perioperative mental health research, focusing on reviewing existing literature and introducing approaches to optimize mental health before surgery.

[Watch a video of the webinar](#)



**Connecting
Edges in
Percutaneous
Mitral Valve
Repairs – The
Future is Here**

APRIL 11, 2024 - 8 PM ET

WWW.CAS.CA/CVT-WEBINAR

Dr Diem Tran
Moderator

Dr Kendra Derry
Speaker

Dr Adam Dryden
Speaker

The banner has a blue and purple background. It features three circular headshots of the moderator and two speakers on the left. The title is in large white text in the center, with the date and website below it. The CAS logo is also present.

Connecting Edges in Percutaneous Mitral Valve Repairs – The Future is Here

April 11, 2024

This webinar featured two experts discussing anesthesia management for edge-to-edge valve repairs with percutaneous clips using intraoperative TEE guidance.

[WATCH A VIDEO of the webinar](#)



**CAS NEUROANESTHESIA
SECTION PRESENTS:**

NATIONAL VIRTUAL ROUND

Wednesday, April 17, 2024
8 PM ET

Dr Peter Hedlin - " Postoperative delirium: Where are we at? "

Dr Sudhakar Subramaniam - "Neuromonitoring in Spine Surgery "

WWW.CAS.CA/NEURO-EVENTS

The banner is blue with a white bar at the top for the section name. The title is in large white text. Below it, the date and time are listed. Two lines of speaker information are provided. A red arrow points to the website URL at the bottom. A brain icon is next to the section name.

CAS Neuroanesthesia National Virtual Round # 2

April 17, 2024

This Round focused on post-operative delirium, and neuromonitoring in spine surgery.

[WATCH A VIDEO of the webinar](#)



Earth Day Webinar 2024

A webinar on the invisible plastics in our daily practice in health care, and how we can be the leaders in advocating environmentally sustainable practice

Dr Matthew Walker
Moderator

Dr Carole Lin
Presenter

Dr Anita Rao
Presenter

April 22, 2024
8 pm ET
www.cas.ca/earth-day-2024

CANADIAN ANESTHESIOLOGISTS' SOCIETY

CAS 2024 Earth Day Webinar

April 22, 2024

The climate crisis continues to affect humanity and our health. Many healthcare institutions are prioritizing 'green' practice. The theme for Earth Day 2024 was "Planet and Plastics." This webinar discussed the invisible plastics in our daily practice in healthcare, and how to be the leaders in advocating for environmentally sustainable practice.

[WATCH A VIDEO of the webinar](#)



2024 CAS PINNACLE ROUNDS SERIES

Perioperative Care for the Transgender Patient

May 1, 2024 - 8 PM ET

Moderator:
Dr Greg Manning

Presenter:
Dr Derek Dionne

www.cas.ca/pinnacle-rounds

CANADIAN ANESTHESIOLOGISTS' SOCIETY

Perioperative Care for the Transgender Patient

May 1, 2024 - 8 PM ET

Our CAS Pinnacle Rounds Series continues throughout 2024.

This webinar addressed the challenges faced by transgender patients, who make up about 2% of the population. It highlighted advancements in surgical options for gender affirming care beyond traditional procedures and discussed complexities in airway assessment, scar tissue, chronic pain from chest binders, comorbidities, and perioperative care strategies.

[WATCH A VIDEO of the webinar](#)

Check Out our remaining PINACLE ROUNDS

Secondary Trauma in Operating Room Healthcare Providers
September 4, 2024

Perioperative Frailty
October 2, 2024

The Perioperative Breastfeeding Patient
December 4, 2024

REGISTER AT www.cas.ca/pinnacle-rounds

NEW CPD MODULE

AMBULATORY TOTAL HIP AND KNEE ARTHROPLASTY: A LITERATURE REVIEW AND PERIOPERATIVE CONSIDERATIONS

CAS is excited to announce a new Continuing Professional Development (CPD) Self-Assessment Module - *Ambulatory Total Hip and Knee Arthroplasty: A Literature Review and Perioperative Considerations*. Total joint arthroplasty (TJA), particularly for the hip and knee, is one of the most commonly performed surgical procedures. The advancement/evolution of surgical and anesthesia techniques have allowed TJA to be performed on an ambulatory/same-day discharge basis. In this CPD module, we synthesize the perioperative evidence that may aid the development of successful ambulatory TJA pathways.

This activity is 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. You may claim a maximum of 4 hours (credits are automatically calculated).

ACCESS ONLINE

CAS offers CPD Self-assessment Modules co-developed with the *Canadian Journal of Anesthesia*, as well as several education courses, accessible to both members and non-members. CAS members can access these resources for free or at a discounted price.

You can also access older modules on [our CPD page](#), including:

- Anesthetic Considerations for Endovascular Treatment of Acute Ischemic Stroke
(Accredited until April 20, 2025)
- Equity, Diversity and Inclusion in Anesthesiology: A Primer
(Accredited until May 19, 2026)

CAS MEMBER NEWS



Remembering Dr David Richard Bevan (1941–2024)

We were deeply saddened to learn that Emeritus member **Dr David Richard Bevan** passed away on May 9, 2024. Born in Mountain Ash, Wales, Dr Bevan graduated with distinction from Guy's Hospital Medical School, London, before immigrating to Canada in 1978. A leader in the specialty, he helped shape McGill University's Anesthesia Department, and spearheaded research into neuromuscular blocking agents for clinical anesthesia practice.

Throughout his career, Dr Bevan was instrumental in promoting Canada's contributions to anesthesia. He was Editor-in-Chief of the *Canadian Journal of Anesthesia* from 1988 to 2000, authored or co-authored 186 peer-reviewed publications, and made 245 presentations to various societies globally. Before retiring in 2006, Dr Bevan worked tirelessly to introduce the Anesthesia Care Team concept in Ontario hospitals. He was awarded the CAS Gold Metal Award for outstanding service to the profession in 2002.

We are enormously grateful for all Dr Bevan's work to advance anesthesia practice and send our heartfelt condolences to his friends and family.



Congratulations to member **Dr Sujoy Banik** on winning the Dwayne Andrews Glioblastoma Grant issued by Brain Cancer Canada. The \$80,000 award will fund a study at the London Health Sciences Centre (LHSC) titled: "Comparison of intravenous and inhaled anesthetics on brain tumour proliferation: an in-vitro study." Dr Banik, the principal investigator, along with his team at Lawson Health Research Institute, will assess if anesthetics used during glioblastoma brain tumour surgery can impact tumour growth, invasion, and metastasis.

Dr Banik is a member of the Abstracts Subcommittee for the CAS Annual Meeting Scientific Program Committee. He is a physician anesthesiologist at LHSC and an Associate Scientist at Lawson Health Research Institute.

[READ MORE](#)



In March 2024, **Dr Vishal Uppal** received the prestigious Presidential Scholar Award from The American Society of Regional Anesthesia and Pain Medicine (ASRA). Dr Uppal is the current Chair of the CAS Regional and Acute Pain Anesthesia Section, as well as an Associate Editor of the *Canadian Journal of Anesthesia*.

[READ MORE](#)



Dr Keyvan Karkouti has been re-appointed as Anesthesiologist-in-Chief at Sinai Health, University Health Network and Women's College Hospital. During his first term, Dr Karkouti made professional development a priority through leadership development, mentoring, and continuing medical education.

[READ MORE](#)

The Vinyl Institute of Canada (VIC) has announced that its groundbreaking PVC Medical Device Recycling program continues to see robust growth from Hospitals in the GTA and surrounding areas, thanks in large part to the fantastic work of CAS member **Dr Syed Ali Akbar Abbass**. The original pilot for the project began in February 2020 as a partnership between Environment and Climate Change Canada, the Vinyl Institute of Canada, Norwich Plastics, and Dr Abbass. Through his ongoing efforts with the program, Dr Abbass has played a significant role in expanding the project province-wide. The VIC presented the award to Dr Abbass on April 23, 2024, in Ottawa, Canada during the 4th Session of the Global Treaty on Plastics pollution.

[READ MORE](#)

RESEARCH REVIEW – DR DANIEL MCISAAC

This a research feature on Dr Daniel McIsaac, winner of the 2017 CAS Career Scientist Award.

Addressing the needs of our aging perioperative population: Identifying, evaluating, and implementing evidence-based strategies to improve postoperative outcomes

More than 1 million older Canadians have major surgery each year. In fact, the rapid aging of the Canadian population means that most Canadian anesthesiologists (save those who mostly practice pediatric or obstetrical anesthesia) primarily care for older adults each day.

While we all recognize that advanced age is strongly correlated with increased risk of adverse postoperative outcomes, the excellent perioperative care provided at hospitals across Canada means that most older surgical patients experience good outcomes after surgery. However, amongst older patients, there is huge variation in rates of postoperative morbidity, mortality, and impaired functional recovery. This means that there is an important and high-priority opportunity to improve the care and outcomes for some of our most vulnerable surgical patients through patient-oriented, multidisciplinary research.

Supported by the CAS Career Scientist Award, our Aging Innovations in perioperative Medicine and Surgery (AIMS) research group has established an internationally recognized research program focused on improving care and outcomes for older surgical patients. First, we aimed to understand amongst older surgical patients what characteristics most strongly predicted adverse outcomes. This led to the identification of older surgical patients living with frailty as a key population to focus on. Next, we worked with our team of patient partners and multidisciplinary collaborators to lay out a map for knowledge translation. In other words, what did we think the required steps, and sequence of steps, would be that could allow us to meaningfully and positively impact practice to support these high-risk older people with frailty?

Together, we hypothesized that to improve outcomes for older surgical patients with frailty we needed to embark on a four step journey: (1) Develop and implement accurate and feasible approaches to preoperative frailty assessment; (2) Identify and evaluate the outcome measures that were most highly prioritized by older adults with frailty; (3) Develop and evaluate interventions that were most likely to improve these highly prioritized outcomes; (4) Implement these interventions using best practices in implementation science.

Through collaboration with researchers, clinicians, and patients across Canada, we've pursued these key steps, supported by funding from CARF and CAS, Canadian Institutes of Health Research (CIHR), the International Anesthesia Research Society (IARS), as well as crucial and generous support from the Departments of Anesthesiology & Pain Medicine at the University of Ottawa and The Ottawa Hospital. Based on our findings, we've clearly established that the Clinical Frailty Scale (CFS) is the most accurate and the most feasible frailty instrument available for routine clinical use. To support clinicians in effectively implementing frailty assessment, we developed a free, online training module that has been used over 15,000 times by clinicians across the world, and which has been incorporated into standard training procedures in the UK's National Health System (NHS), several Canadian provinces, as well as in several health authorities in Australia and New Zealand.

Next, we completed patient-focused research that helped us to understand that vulnerable older patients most highly value: (1) Avoiding postoperative complications, and (2) Returning home after surgery with the ability to function independently. This meant that we needed to identify, develop, and evaluate interventions that were most likely to help this high-risk patient group avoid serious complications and get home effectively. Together with our patient partners, we identified prehabilitation as a key intervention that required high-quality and robust research focused on older people with frailty. We also worked to adapt existing evidence-informed prehab programs to meet the unique needs of older people, including home-based delivery.

To understand whether prehabilitation would be effective in improving outcomes, we conducted two randomized trials. First, we conducted a two center, 200-patient trial in older adults with frailty having cancer surgery that identified that if we can help older people be highly adherent to a prehabilitation program, it is likely that their functional recovery and risk of complications will be improved. The next step was a multi-center trial to understand the generalizability of these results.



Dr Daniel McIsaac - 2017 CAS Career Scientist Award Winner

Our team then obtained funding for conduct of the PREPARE Trial, which we have just completed (and will report our results in Fall 2024). The PREPARE Trial is the largest completed prehabilitation trial in the world and compared a home-based multi-modal prehabilitation program to usual care in older surgical patients with frailty. Through collaboration outstanding colleagues at 11 centers across Canada (uOttawa, Queen's University, University of Toronto, McMaster University, University of Alberta, University of Calgary, and University of British Columbia) the trial was completed early and enrolled 850 participants. We will soon have robust RCT data on whether prehabilitation can improve patient-reported recovery and complications rates in older surgical patients with frailty from across Canada.

Lastly, we continue to focus on health system implementation of prehabilitation. Through partnership with CARF, CAS and a number of other partners, we have developed the Canadian Prehabilitation Knowledge Network, a multi-disciplinary group

focused on integrated knowledge translation for prehabilitation. This network has completed some of the most comprehensive reviews of prehabilitation to date, identifying key knowledge gaps that must be addressed by future research, and establishing a living systematic review. This living review acts as a constantly updating database of all prehabilitation trials that can be used by network members, collaborators, and guideline writers to synthesize the most up-to-date knowledge about prehabilitation.

Anesthesiologists are uniquely positioned to drive evidence-based optimization of patients, and of the healthcare system, to best support our most vulnerable patients. Through timely support from the CAS Career Scientist Award, our team has been able to develop a research program focused on collaborative, multi-disciplinary perioperative care. We look forward to sharing our latest results and extend our thanks to the support provided by the CAS and colleagues across Canada.

CJA ON THE CUTTING EDGE

2024 CAS ANNUAL MEETING

PROGRAMMING

We look forward to connecting with colleagues at the upcoming 2024 CAS Annual Meeting, taking place from June 7 to 10, 2024 in beautiful Victoria, BC. This event promises to be a highlight of 2024, with a packed schedule of events and educational activities, to which the *Canadian Journal of Anesthesia* (CJA) will also be contributing.

On Saturday, June 8, from 12:45 – 2:30 p.m., PT don't miss the annual **Richard Knill Competition**, featuring the oral presentation of top-rated abstracts selected by the CAS Abstracts Subcommittee. Each year, this competition showcases the outstanding research and innovation within the CAS community.

The same day, at 3:30 p.m. PT we host our annual CJA symposium: **"Just Published a Paper. Then Got Sued. A Past Editor's Perspective on Existential Threat to Academic Research and Scholarly Debate."** This symposium will review notable articles from the past year and explore their implications for practice and limitations. Moderated by CJA Editor-in-Chief Dr Stephan Schwarz and Deputy Editor-in-Chief Dr Phillip Jones, with esteemed speaker Dr Evan D. Kharasch, this promises to be a stimulating discussion you won't want to miss.

We also invite you to delve into our **latest issues** of the CJA, where you'll find a treasure trove of cutting-edge research and expert analysis.



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



Canadian Journal of Anesthesia at 2023 CAS Annual Meeting, Quebec City, QC.

ANESTHESIA HISTORY CORNER

FROM THE CAS ARTIFACTS COLLECTION: Trichloroethylene (Trilene) vaporizer

By Dr Michael Wong



This trichloroethylene (Trilene) vaporizer was likely donated to the CAS artifacts collection by Montréal's Dr Harry Slater (1915-1993), one of the leading pediatric anesthesiologists of his day.

Trichloroethylene was a somewhat unlikely anesthetic agent. It first synthesized in 1864 and was primarily used as a commercial de-greasing and dry-cleaning agent.

Inadvertent inhalation by workers soon revealed its analgesic and intoxicating properties, and its abuse was thought to be relatively common. However, it was not until the late 1930s that serious investigations into its use as an anesthetic were conducted. This work was carried out by British anesthesiologist Dr Langton Hewer at the suggestion of chemist C. Chalmers, who had himself experienced the psychoactive effects of trichloroethylene. Soon thereafter, procedural sedation and general anesthesia with trichloroethylene became fairly commonplace, particularly in the United Kingdom.

Trichloroethylene offered significant advantages. For one, it was not prone to explosiveness, which was valuable with the advent of electrosurgical devices. It also had relatively mild effects on cardiac function and respiration, and it did not impair uteroplacental perfusion nor cause fetal depression. Its potent analgesia and slow elimination made it popular in obstetrics and ambulance transportation. Moreover, it was extremely inexpensive. Unfortunately, trichloroethylene had some drawbacks, including postoperative nausea and vomiting, a relative lack of muscle relaxation, and a tendency to react with soda lime to form the neurotoxic gas phosgene.

In spite of its shortcomings, it continued to be used for many years after ostensibly superior alternatives like halothane were introduced. Eventually, pharmaceutical-grade trichloroethylene production ceased in most countries by the 1980 due to dwindling demand. Due to its cost-effectiveness and ease of use, there continue to be advocates for the re-introduction of trichloroethylene into clinic practice, particularly in variable resource settings.

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Announcements

Follow us on social media for updates and interesting glimpses from yesteryear!

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If you have suggestions on future History Corner topics, please contact history@cas.ca

RESIDENTS CORNER

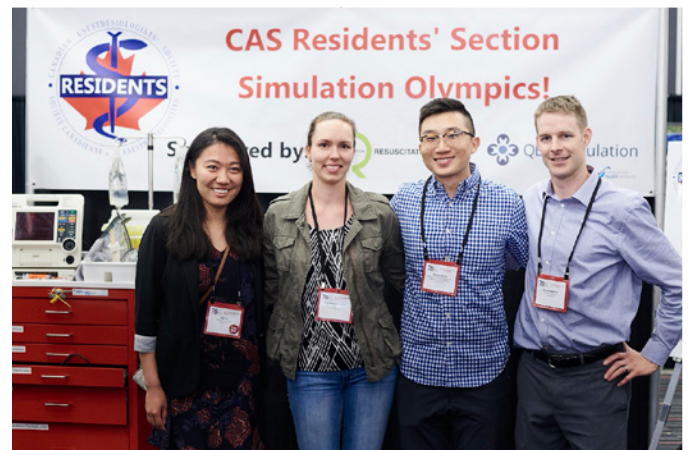
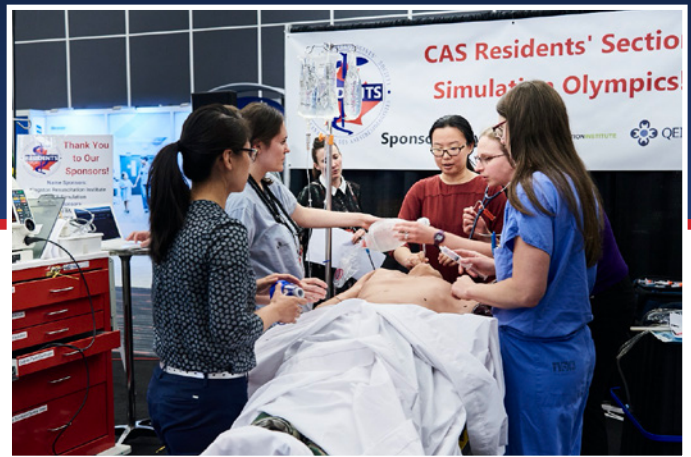
2024 CAS ANNUAL MEETING

We're excited to share the 2024 CAS Annual Meeting lineup of resident-focused programming! The Annual Meeting will take place from June 7-10 in the beautiful city of Victoria, British Columbia. Friday afternoon kicks off with the first **CAS Resident Simulation Olympics** competition to happen since 2019. Teams of 2-4 residents will participate in critical event simulations that test their technical and non-technical skills. After the first round, two teams of finalists will be declared and then face off to win a \$1,000 grand prize.

On Saturday morning, members will gather for the annual **Residents Oral Competition**. This year, 6 top-rated abstracts will be presented before a live audience and judges from all Canadian University Departments of Anesthesia (ACUDA). A winner will be announced during Monday's Closing Symposium. In the evening, residents are invited to the **CAS Soirée** at no cost. Join us in the Victoria Conference Centre's breathtaking Upper Pavilion & Courtyard to relax and connect with your peers. Your ticket is included with your Annual Meeting registration – please **contact us** if you don't wish to attend.

On Sunday afternoon, this year's **Resident Speaker Panel** will focus on the topic: "Careers Outside the Conventional OR." Panelists this year hold diverse roles in leadership and administration, global health, and healthcare improvement. They will discuss their practice journeys and take questions to provide you with insights for mapping your anesthesiology career.

Helping you get the most out of your CAS membership during residency is one of our top priorities. We encourage you contact us at casresidents@gmail.com with suggestions on how we can improve the Annual Meeting programming and member benefits overall. We look forward to seeing you in Victoria!



CAS Resident SIM Olympics in 2018 (Montreal) and 2019 (Calgary).



Canadian Anesthesia Research Foundation La Fondation canadienne de recherche en anesthésie

CARF is pleased to announce that we will be providing **\$175,000 for research grants in 2024**. In addition, we have once again teamed up with CAS Sections to offer a total of **\$200,000 for anesthesia research** and we would like to help to do much more.

CAREER SCIENTIST AWARD	<i>CAS Career Scientist Award in Anesthesia</i>	\$60,000
NEW INVESTIGATOR OPERATING GRANTS	<i>Canadian Anesthesiologists' Society Research Award</i>	\$30,000
NEW INVESTIGATOR OPERATING GRANTS	<i>Dr James Beckstead Award</i>	\$20,000
OPEN OPERATING GRANTS	<i>Dr R A Gordon Research Award</i>	\$30,000
OPEN OPERATING SECTION GRANTS	<i>Ambulatory Section Research Grant</i>	\$10,000
OPEN OPERATING SECTION GRANTS	<i>Section for Education and Simulation in Anesthesia Research Grant</i>	\$10,000
OPEN OPERATING SECTION GRANTS	<i>Obstetric Anesthesia Section Research Grant</i>	\$20,000
OPEN OPERATING SECTION GRANTS	<i>The Su Ganapathy Regional Anesthesia Research Award</i>	\$10,000
RESIDENTS' RESEARCH GRANT	<i>Ontario's Anesthesiologists CAS Residents' Research Grant</i>	\$10,000

TOTAL IN GRANTS AND AWARDS: \$200,000

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 interested in getting more involved or know someone interested, please contact me at Stuart.McCluskey@UHN.ca. We are actively looking for Trustees from the industry and the general public. We are also in need of a vice chair for CARF to keep us moving into the future.

All our proceeds from the **CAS Annual Meeting Kick-Off Celebrations** and silent auction will be supporting CARF's Young Career Scientist Award, which has helped support some of our most influential clinical scientists, including Drs Karim Ladha, Manoj Lalu, Harsha Shanthanna, Jessica Spence, Mandeep Singh and Daniel McIsaac

In the **silent auction**, you can bid on vacation stays in Muskoka, Blue Mountain, and/or Whistler with many more items up for auction. See you in Victoria!

Stuart McCluskey, MD, PhD • CARF Chair

CANADIAN ANESTHESIOLOGISTS' SOCIETY INTERNATIONAL EDUCATION FOUNDATION (CASIEF) SUMMER UPDATE



CASIEF

Canadian Anesthesiologists' Society
International Education Foundation
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Société canadienne des anesthésiologistes

VOLUNTEER TEACHERS NEEDED FOR OUR OVERSEAS PROGRAMS!

Dozens of Canadian anesthesiologists have travelled to our programs in Rwanda, Ethiopia, and Guyana, and found these trips exciting, rewarding and fun! Our partners need the experience of our anesthesiology educators to move their medical systems forward. Travel costs and accommodations are reimbursed, so this is also a great opportunity to see the world! Please contact us at info@casief.ca if you'd like to get involved – you will never regret it!

CASIEF at the 2024 CAS ANNUAL MEETING June 7–10, Victoria, BC!

The two CAS Foundations, **CASIEF** and **CARF**, are joining forces:

Friday, June 7

6:30 pm – 11:00 pm PST

for the **CARF & CASIEF Kick-Off Party:**

Victoria Public Market at the Hudson,
1701 Douglas Street, Victoria, B.C.

There will be great food, drinks, fun!

ITEMS NEEDED FOR CASIEF-CARF SILENT AUCTION FUNDRAISER

Everyone knows someone who can donate an item or experience for our fundraiser. **So far, donations** have included a stay at a Whistler chalet and a week at a cottage in Muskoka. Wine baskets, art, jewellery, and show/sports tickets would all make great donations.

Contact info@casief.ca to donate.

CASIEF SYMPOSIUM

On Sunday, June 9, the CASIEF annual Symposium will take place at the CAS Annual Meeting. This year, we are featuring a fascinating and diverse panel of speakers on the topic of “Physician Burnout in High-, Low-, and Middle-Income Countries: A Global Phenomenon!” Please plan to make this part of your CAS Victoria experience!

Please visit our [website](#), and if you haven't yet seen the fantastic [videos](#) about CASIEF's partnerships, please visit our YouTube channel [HERE](#).

Through CASIEF and its partners, Canadian anesthesiologists are known around the world for their charity and dedication to promote safe anesthesia for all. Please consider providing your expertise and **donations** to support our very worthy cause. Thank you for continuing or considering supporting YOUR charity!

Joel Parlow, MD, FRCPC

Chair, CASIEF, Joel.Parlow@casief.ca



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CAS ONTARIO DIVISION - SAVE THE DATE: ONTARIO ANESTHESIA MEETING AND CONFERENCE WEEKEND SEPTEMBER 27-29, 2024

Ontario's Anesthesiologists, a Section of the Ontario Medical Association, invites you to join us this fall for our annual Ontario Anesthesia Meeting! This year's conference returns to the Marriott Downtown at CF Toronto Eaton Centre from Friday, September 27 to Sunday, September 29, with an optional Leadership Development Day for anesthesiologists on Thursday, September 26.

The conference will feature an exciting academic program built around current and clinically relevant topics. It will be led by engaging speakers representing academic and community practice across Ontario who will aim to elevate the quality of anesthesia care and deliver presentations that are both insightful and practical.

Registration for the OAM will open this summer. To learn more about the conference, please visit us online or contact us by email.

SAVE THE DATE!

Registration opens this summer. Learn more at OntariosAnesthesiologists.ca

2024 ONTARIO ANESTHESIA MEETING
September 27-29
Marriott Downtown at
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- The incidence, risk, presentation, pathophysiology, treatment, and effects of perioperative acute kidney injury - **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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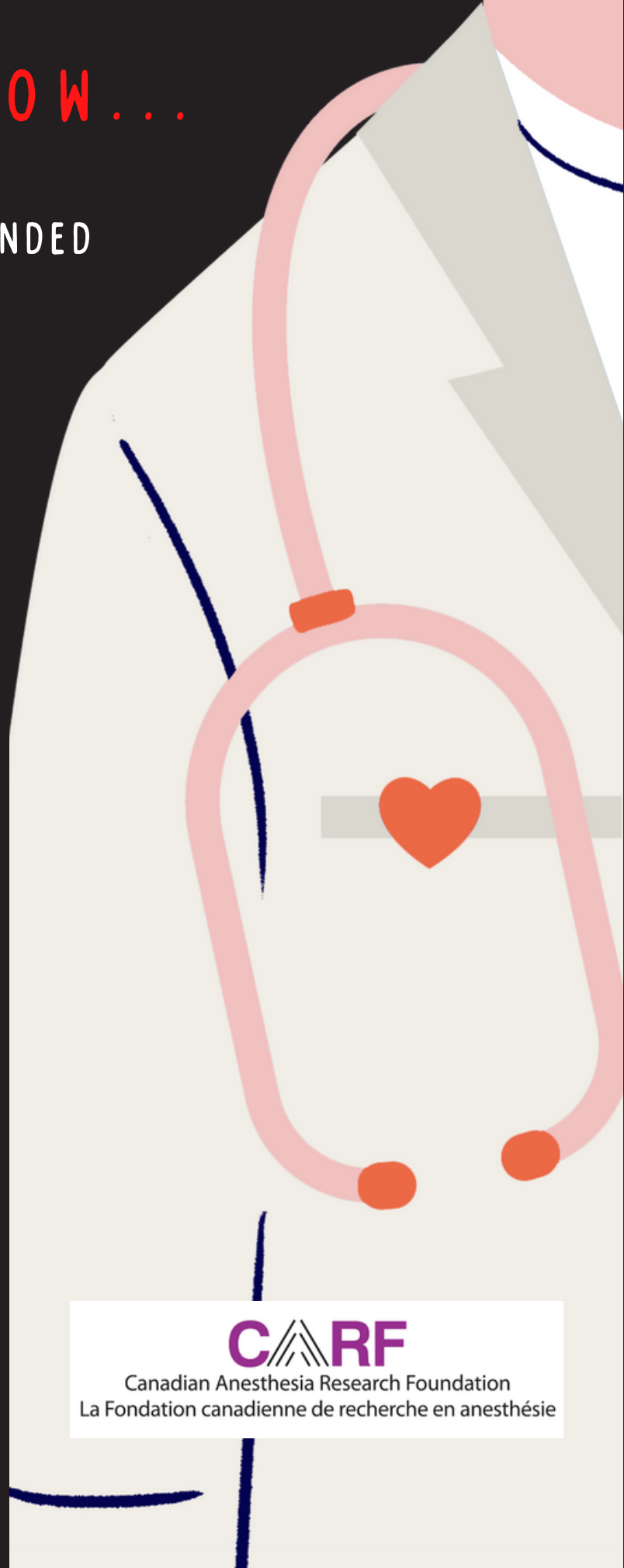
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Thank You!

CAS 2024

ANNUAL MEETING



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