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Canadian Anesthesiologists' Society

ANESTHESIA NEWS

PRESIDENT'S MESSAGE



This message is reaching you as the summer passes and the "normal" year's activities are resuming. I hope that you were all able to enjoy a respite from your usual routine and which was accompanied by some agreeable Canadian weather!

In this issue of *Anesthesia News*, you will find reports relating to the Canadian Anesthesiologists' Society (CAS) Annual Meeting (AM) in Niagara Falls last June. This was the first time in this location for our meeting. Attendees found the meeting

content to be of high quality and overall there was a great deal of positive feedback attesting to the success of the scientific and educational programming. Full accounting of the meeting financials has not been completed as of this writing.

At the CAS Annual Business Meeting on June 24, Dr James Kim of Vancouver was elected Treasurer, replacing Dr François Gobeil, whose term expires September 1, 2017. My sincere thanks to Dr Gobeil for his exemplary service and for his contribution to a budgetary surplus in 2016. I extend my congratulations and welcome to Dr James Kim!

Congratulations are also due to the recipients of the CAS Honour Awards, Canadian Anesthesia Research Foundation (CARF) Research Awards and Medical Student Prizes, and as well to winners of the Residents' Competition, Richard Knill Competition and Best Papers of 2017 who were recognized at the Awards Ceremony on June 26. It is especially noteworthy that this year's Gold Medalist, Dr Beverley Orser has also recently been appointed Chair of the University of Toronto, the largest Department of Anesthesiology in the country. We are honoured that Dr. Orser has agreed to speak on June 16, 2018 at the Plenary Opening Session of the CAS Annual Meeting in Montreal, which will celebrate the 75th anniversary of our society.

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VOLUME 32
NUMBER 3
SEPTEMBER
2017

www.cas.ca

Innovative leadership and
excellence in anesthesia,
perioperative care, and
patient **safety**

I am pleased to report that CAS membership has undergone an appreciable increase in 2017 over 2016. Credit for this development goes primarily to CAS Executive Director Debra Thomson who, in conjunction with office staff, has worked diligently to promote the value of membership, as well as to amend the processes and timelines for membership renewals. This work will be ongoing.

I appreciate communication from CAS members, which may be directed to me at president@cas.ca.

Best wishes to you all at the beginning of a new work year, which for many residents and staff anesthesiologists in teaching centres will be characterized by the new reality of "Competence by Design". Embrace the future!

Dr Douglas DuVal, FRCPC
President



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HIGHLIGHTS OF THE 2017 ANNUAL MEETING IN NIAGARA FALLS

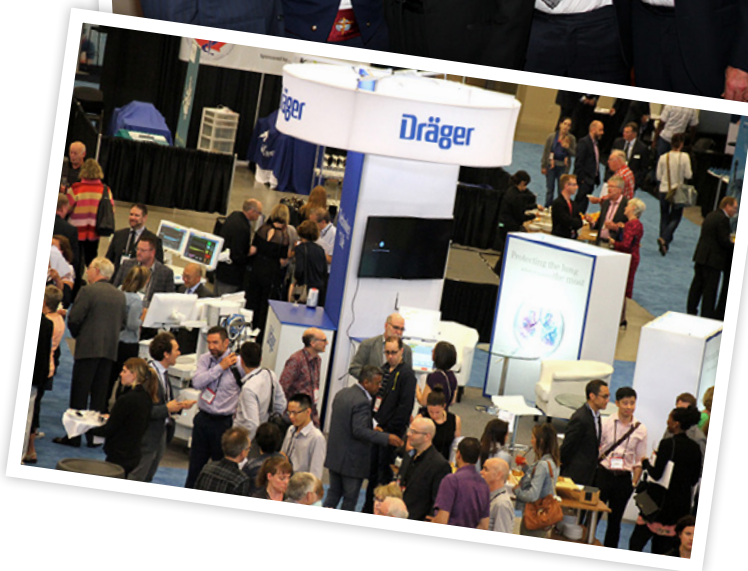
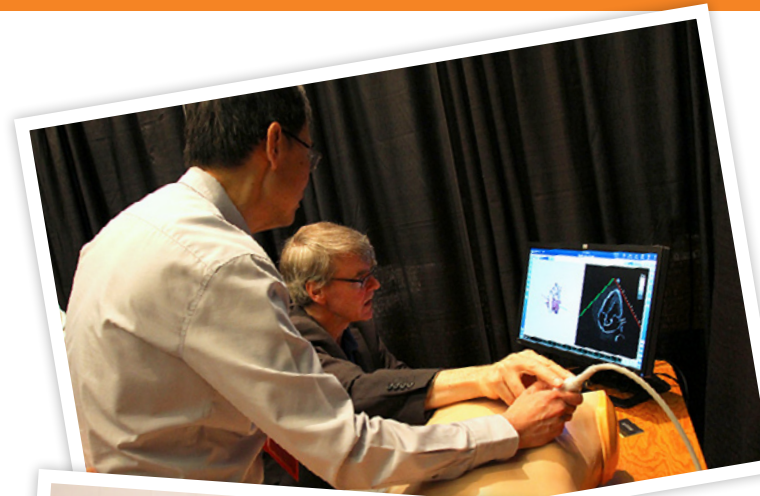
It is with great appreciation that we thank all CAS members who joined us in Niagara Falls in June for the Annual Meeting. It was a vibrant and multifaceted event that represented CAS' growing membership and addressed your educational needs. The theme this year was *Competence by Design: The Future of Education and Assessment in Anesthesiology – From Residency to Retirement*.

Our speakers did not disappoint! From leaders in patient safety and vital practice areas to those willing to spearhead conversation on controversial topics such as pain medication dependence, this year's presenters were eclectic and well-received. Our enduring commitment to what's to come was demonstrated during symposiums such as *Ethics of Privacy in an Electronic World* and the President's symposium on *Pride, Patriotism and Professional Association*. Resident anesthesiologists also took center stage in the first annual CAS Residents' Section Simulation Olympics!

In response to needs assessments and membership feedback, this meeting offered an increased number of interactive and hands-on learning sessions, including Problem-based Learning Discussions (PBLDs) that highlighted tools, management principles, and strategies for care. Specialized knowledge transfer and networking were paramount at section events, which provided exclusive access to discussions and events only accessible to members. The exhibit hall housed industry partners who were eager to work with CAS members in innovating, as well as multiple engaging poster sessions and discussions.

A pre-conference workshop on Leadership & Conflict Resolution directly addressed our membership's desire for more interpersonal and professional training and was very well received. The POCUS course and the participation of McMaster University with its Simulation Workshop offered our delegates another chance to work with their hands to build practical skills – our thanks to the pre-conference organizers! The Annual Meeting's plenary symposium, delivered by Dr Gaba on "Simulation, Education and Competence in Anesthesiology", worked to contextualize and describe technical innovation, and highlighted the importance of a training technique that can be performed prospectively.

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HIGHLIGHTS OF THE 2017 ANNUAL MEETING IN NIAGARA FALLS



continued from page 3

This year, the CAS turned a critical eye towards ensuring that members and delegates could attain a meaningful number of MOC credits while at the Annual Meeting, and also increased the take-away gains applicable to their workplaces. The adoption of national standards, recently instituted by the Royal College, ensures that the CAS will remain on the leading edge of CPD and directly in line with current and emerging changes in the continuing education program. Our Dr Angela Enright Lecture, given by Dr Jason Frank, focused on anesthesia as one of two pioneering specialties in Canada launching a new training system that aims to improve teaching, enhance assessment, enable resident productivity, and create a different kind of graduate.

This year, support for participants was also increased through training offered in advance of the AM aimed at improving moderator and speaker experience. An optional Peer Observation program also underscored the CAS' commitment to providing its delegates with both high-profile and truly effective presenters. Moreover, participation in these featured programs assists our members in meeting their continuing education requirements while they collegially network, communicate openly with their peers, and learn skills that they can take back to workplaces across Canada and the world.

The global world of anesthesia was another key element of the 2017 Annual Meeting. International relationships were on full display at the pre-conference Common Interest Group meeting held in Niagara-on-the-Lake, which engaged partnership society participants from six regions around the world.

International cooperation and communication were clearly evident during the AM's lively President's Dinner (all nationalities and specialties can dance to Beatlemania's tunes) and CASIEF's Symposium session, and in the hosting of our partners from the Australian Society of Anaesthetists, who have proved indispensable in the ongoing development of our new CAIRS system ([which is live to view online!](#)). At the AM, symposium presentations such as Dr Pearse's on Perioperative Medicine from The European Perspective, and lively debates over American and Canadian guidelines in Cardiovascular Risk Stratification in Non-cardiac Surgery ([an excerpt of which is available to stream](#) via our webinar) kept our national society thinking globally.

**MOST OF THE AM
PRESENTATIONS ARE
AVAILABLE ON THE
MEMBERS' PORTAL
OF THE CAS WEBSITE**

www.cas.ca/Members/2017-presentations



MARK YOUR CALENDAR:

**JUNE 15 – 18, 2018
IN MONTREAL**

The 2018 Annual Meeting in Montreal now beckons, and the CAS looks forward to celebrating our 75th anniversary with you at that time.

Planning was already in full swing at the 2017 AM, where logistics, an inclusive and exciting new speakers' roster, the role of our historical archives, and a generous touch of cultural flair were all discussed – we will make sure that you stay up-to-date on what is to come. We look forward to seeing you there to discuss Advancing Anesthesiology, Excellence & Leadership!

THANK YOU TO OUR ANNUAL MEETING SPONSORS!

CAS is proud to acknowledge and recognize the following sponsors who supported the 2017 CAS Annual Meeting and its associated programs and events in Niagara Falls, Ontario:

CORPORATE SPONSORS

- Corporate leader: **Merck**
- Corporate partner: **Medtronic**
- Corporate supporter: **Aspen Canada**
- Corporate sponsor: **Abbvie, Pfizer**

RESIDENTS' SECTION SPONSORS

- **Kingston Resuscitation Institute**
- **Scotiabank**
- **OMA Insurance**
- **CAE Healthcare**
- **Karl Storz Endoskope**
- **Queen's University Clinical Simulation Centre**



The generosity of our 2017 sponsors was evident in several areas, including specialized educational streams, a showcase of anesthesia innovations from 50 exhibitors, access to innovative new techniques in 12 interactive workshops, an increased number of moderators in sessions, and opportunities to participate in inspired thinking in 14 challenging PBLDs.

2017 ANNUAL MEETING NUMBERS

- Delegates: **765**
- Exhibitors: **189**
- International Faculty: **18**

IN MEMORIAM: PAYING TRIBUTE TO DECEASED CAS MEMBERS

To recognize the contributions of and pay tribute to deceased CAS members, *Anesthesia News* will publish obituaries that are submitted to CAS.

If you would like to submit an obituary for a deceased CAS member, please forward it to anesthesia@cas.ca. A photograph may be included.

Please note the following general guidelines:

- The person must have been a member of CAS during their career, although not necessarily at the time of death.
- While vital statistics are important, stories about the individual's life, career, and contributions to specific endeavours are strongly encouraged.
- The obituary should be limited to 500 words.
- All submissions will be edited.

SOCIAL MEDIA AT YOUR FINGERTIPS

Stay current, informed and on track with the latest discussions... Sign up and take advantage:

-  CAS on Twitter at [@CASUpdate](https://twitter.com/CASUpdate)
-  CAS on Facebook: [CanadianAnesthesiologistsSociety](https://www.facebook.com/CanadianAnesthesiologistsSociety)

CONGRATULATIONS TO OUR 2017 AWARD WINNERS!

RESEARCH AWARDS



Career Scientist Award
Dr Daniel McIsaac
Ottawa Hospital Research Institute



New Investigator CAS Research Award
Dr Mandeep Singh
UHN, University of Toronto



Dr R A Gordon Research Award for Innovation in Patient Safety
Dr Scott Beattie
UHN, University of Toronto



Dr Earl Wynands Research Award in Cardiovascular Anesthesia
Dr Alexander Gregory
Foothills Medical, University of Calgary



CAS Research Award in Neuroanesthesia in memory of Adrienne Cheng
Dr Miguel Arango
University of Western Ontario



Ontario's Anesthesiologists - CAS Residents' Research Grant
Dr Gavin Hamilton
University of Ottawa

RICHARD KNILL COMPETITION (ORAL COMPETITION)



Nikhil Mistry
University of Toronto
Moderate Anemia is associated with renal hypoxia and increased cerebrovascular reactivity in mice

CAS MEDICAL STUDENT PRIZES



1st Prize – 2017 Medical Student Paper
Youngseo Lee
University of Saskatchewan
Gateway to the void, are we really putting patients to sleep?



2nd Prize – 2017 Medical Student Paper
Graham Alvare
University of Manitoba
Anesthesiology. Do you have what it takes?



3rd Prize – 2017 Medical Student Paper
Rebekah Baumann
McMaster University
The Guard Dogs: Altruism, Protection, Anesthesiologists and Professionalism

RESIDENTS' COMPETITION



1st place
Christina Lamontagne
University of Montreal
Intravenous dexmedetomidine for the treatment of shivering during cesarean delivery under neuraxial anesthesia



2nd place
Justyna Bartoszko
University of Toronto
Elevated Red Cell Distribution Width is an adverse prognostic indicator in elective noncardiac surgery



3rd place
Darren Holland
University of Manitoba
Interscalene block analgesia after ambulatory shoulder surgery: A factorial RCT of dexamethasone dose and route

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2017 AWARD WINNERS—IN SEARCH OF EXCELLENCE

continued from page 7

BEST PAPER AWARDS



Ambulatory Anesthesia

Yamini Subramani

University of Toronto

Death or Near-death in Patients with Obstructive Sleep Apnea: A Compendium of Case Reports



Neuroanesthesia

Elyana Wohl

University of Toronto

Cerebrovascular reactivity maps vary with the magnitude and direction of a carbon dioxide stimulus



Chronic Pain

Qutaiba Tawfic

Western University

Plasma level of ketamine and norketamine in low dose oral ketamine in chronic pain patients



Obstetric Anesthesia

Ronald George

Dalhousie University

Sidestream dark field imaging of sublingual microcirculation to assess preeclampsia microvascular dysfunction



Critical Care Medicine Award

Kristen Kidson

University of British Columbia

Trends and outcomes of severe sepsis in women of childbearing age according to pregnancy status in the U.S. 1998 – 2013



Pediatric Anesthesia

Maria Salman

University of Toronto

The impact of social media on pediatric anesthesia papers and bibliometry



CVT Raymond Martineau Prize

Olivier Moreault

Laval University

Physiology of lung collapse during one-lung ventilation: Underlying Mechanisms



Perioperative

Justyna Bartoszko

University of Toronto

Elevated Red Cell Distribution Width is an adverse prognostic indicator in elective noncardiac surgery



Education and Simulation In Anesthesia

Natalie Lidster

McMaster University

Competency in Anesthesia: A Multidimensional Concept



Regional Anesthesia and Acute Pain

Brigid Brown

Western University

Comparison of Infraclavicular and Supraclavicular Blocks for Elbow Surgery: A Randomized Controlled Study



Ian White Patient Safety Award

Xingyang Huang

University of British Columbia

Impact of preoperative hemoglobin A1c on postoperative hyperglycemia and morbidity in diabetic patients

INTRODUCTION OF PROBLEM-BASED LEARNING DISCUSSIONS TO THE ANNUAL MEETING

Jane Tipping, MAD ED

The evaluations from CAS Annual Meeting attendees provide valuable feedback to the Annual Meeting Working Group (AMWG). Based on what they find there, the AMWG members do their best to make appropriate adjustments.

One of the consistent themes from evaluation comments has been the request to make presentations more applicable to individual practice. Given the breadth of the audience experience, the sub-specialities, and practice profiles represented at the Annual Meeting, it is challenging for speakers to address more than general learning needs and leave conclusions about application to practice to the individual learner.

The CAS Annual Meeting provides many opportunities for attendees to listen to the latest research as well as to interact with a variety of experts. We know that many “practice pearls” are gained from listening to presentations. However, to apply new knowledge in practice it is helpful to exchange views with colleagues and ask questions of experts related to individual practice experiences and challenges. To meet this need, 14 Problem-based Learning Discussions (PBLDs) were introduced to the 2017 Annual Meeting on an experimental basis. Participation was limited to ten participants per PBLD and each session lasted one hour.

To clarify, PBLDs are not new and are an adaptation of problem-based learning that was introduced into undergraduate medical education approximately 30 years ago. They are an effective method for helping professionals apply new knowledge to their individual practices, and

provide the opportunity for each participant to explore their current knowledge of a clinical puzzle, actively engage in unpacking the puzzle, and learn from the experience of their colleagues. By the end of a PBLD, participants have a clear idea of how to handle specific clinical scenarios in their own practices as well as a greater awareness of what they know already and what they still need to learn.

What did the Annual Meeting participants have to say?

One hundred percent of the respondents said they would attend another PBLD session and recommended that CAS continue this initiative. They commented on learning “new things” and the value of seeing differing viewpoints and technique practices by colleagues, and also appreciated the personal contact with experts, the ability to confirm current practice, and to see new perspectives on patient management.

Please continue to provide comments and suggestions and the AMWG will do its best to respond.

FEEDBACK FROM 2017 ANNUAL MEETING ATTENDEES

“Intimate interaction with an outstanding expert and speaker, plus a highly-motivated group of individuals.”

“It gave me the basis of the problem and how to approach it in safe way. It is great opportunity to know about the problem and solve it in the same time.”

“Chatting on a casual level to colleagues who experience the same dilemmas – great experience.”





2018 CAS HONOUR AWARDS/ PRIX DE DISTINCTIONS 2018

CALL FOR NOMINATIONS/ APPEL DE CANDIDATURES



The **2018 CAS Honour Awards program** is now accepting nominations. Please consider nominating an outstanding colleague for this prestigious honour—to join an exclusive group of previously recognized CAS members.

L'appel de candidatures pour **les Prix de distinction 2018** est maintenant lancé. Veuillez considérer nommer un collègue exceptionnel pour cet honneur prestigieux—pour joindre un groupe exclusif de membres de la SCA précédemment reconnus.

HONOUR AWARD CATEGORIES/ CATÉGORIES – PRIX DE DISTINCTIONS

-  GOLD MEDAL/ Médaille d'or
-  CLINICAL PRACTITIONER/ Pratique clinique
-  CLINICAL TEACHER/ Enseignement clinique
-  EMERITUS MEMBER/ Membre émérite
-  JOHN BRADLEY YOUNG EDUCATOR/
Jeune éducateur John-Bradley

OTHER AWARDS/ AUTRES PRIX

-  MEDICAL STUDENT PRIZE/
Prix de l'étudiant en médecine
-  RESEARCH RECOGNITION/
Mérite en recherche

Visit the **Awards and Grants** tab on the **CAS** website at www.cas.ca, for all submission instructions and information.

Visitez la section **"Subventions et bourses"** sur le site de la SCA www.cas.ca pour toutes informations et instructions pertinentes à la soumission.

Deadline for Nominations is **October 16, 2017**.

Date limite de soumission pour les candidatures est **le 16 octobre, 2017**.





2017 HONOUR AWARD WINNERS/ LAURÉATS DES PRIX DE DISTINCTION

A SINCERE CONGRATULATIONS TO OUR 2017 AWARD WINNERS!
NOS FÉLICITATIONS LES PLUS SINCÈRES À NOS LAURÉATS DES PRIX 2017!

Your passion and outstanding achievements
have been recognized by your colleagues,
and for that, we salute you.

Votre passion et vos réalisations exceptionnelles
ont été reconnues par vos collègues, et pour
cela, nous vous saluons.



**Gold Medal
Médaille d'or**

Dr Beverley Orser
Toronto, ON



**Research Recognition
Mérite en recherche**

Dr Gregory Hare
Toronto, ON



**Clinical Teacher
Enseignement clinique**

Dr Jean Bussières
Quebec, QC



**Clinical Practitioner
Pratique clinique**

Dr Stephen Kowalski
Winnipeg, MB



**John Bradley Young Educator
Jeune éducateur John-Bradley**

Dr Paul Wiczorek
Montreal, QC



**Emeritus Member
Membre émérite**

Dr Diane Biehl
Winnipeg, MB

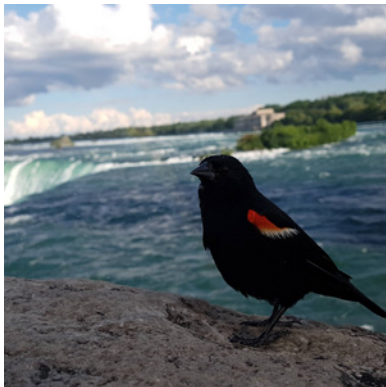
Be sure to submit a nomination to the 2018 Honour Awards Program.
Visit www.cas.ca—Awards & Grants for all details.

Assurez-vous de soumettre une candidature au Programme des prix
de distinctions 2018. Visitez le site www.cas.ca—Subventions et
bourses pour tous les détails.



PHOTO CONTEST WINNERS

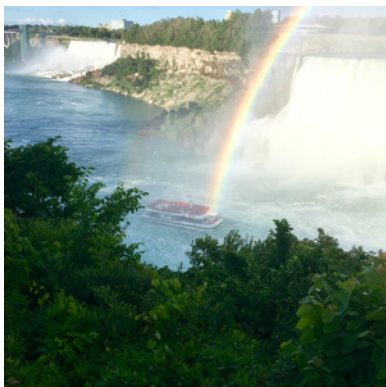
Thank you to all the avid photographers who participated in the photo contest at the 2017 Annual Meeting. Congratulations to the three winners (in alphabetical order below) who each uniquely captured the magical spirit of Niagara Falls with their camera.



ANTOINE DAHER –
Red Winged Blackbird



JULIE HABER –
Rainbow by the Falls



VALERIE NOEL –
Rainbow over the Falls

AT YOUR FINGERTIPS

For members only:

www.cas.ca/members

Annual Meeting Webinars:

www.cas.ca/members/2017-presentations

Annual Meeting Presentations:

www.cas.ca/members/2017-presentations

2016 Annual Report/Financial Report English:

www.cas.ca/members/documents

FUN RUN FOR CARF RAISES \$2,600+

Thank you to everyone who supported the Fun Run for CARF, which raised over \$2,600 in Niagara Falls! In less than 24 minutes, Dr Gregory Hare finished the 5 km race along the Niagara Parkway. A staff anesthesiologist and professor of anesthesia at St Michael's Hospital at the University of Toronto, Dr Hare was also one of the CAS Honour Award recipients this year, winning the Research Recognition Award.



Dr Gregory Hare,
winner of the 2017
Fun Run for CARF



CAS Board of Directors' Meeting, June 27, 2017

MEET THE CURRENT AND INCOMING CAS COMMITTEE CHAIRS

CAS is pleased to introduce the slate of committee chairs for 2017–2018 (* indicates a new chair) and expresses its appreciation and thanks to the following individuals for agreeing to carry out these important roles. Their commitment plays a significant role in enabling the work of CAS and to deliver services to its members.

Annual Meeting

Chair: Dr Adriaan Van Rensburg, Toronto, ON

2018 Local Arrangements – Montreal AM/75th Anniversary

Chair: Dr Daniel Chartrand, Montreal, QC*

Scientific Affairs (Annual Meeting Sub-committee)

Chair: Dr Tim Turkstra, London, ON

Archives and Artifacts

Chair: Dr Daniel Chartrand, Montreal, QC

CAIRS (Canadian Anesthesia Incident Reporting System)

Interim Chair: Dr Douglas DuVal, Edmonton, AB*

CAS Choosing Wisely Canada

Chair: Dr Kyle Kirkham, Toronto, ON

COACT (Committee on Anesthesia Care Team)

Chair: Dr Susan O'Leary, Hamilton, ON

Continuing Education and Professional Development

Chair: Dr Jordan Tarshis, Toronto, ON

CPD Modules Sub-Committee

Chair: Dr André-Stéphane Lambert, Ottawa, ON

Ethics

Chair: Dr Ian Herrick, London, ON

Finance

Chair: Dr James Kim, Vancouver, BC*

Medical Economics/Physician Resources

Co-Chair: Dr Jean-François Courval, Dorval, QC

Co-Chair: Dr Eric Goldszmidt, Toronto, ON

Patient Safety

Chair: Dr Claude Laflamme, Toronto, ON

Research Advisory

Chair: Dr Dolores Madeline McKeen, Halifax, NS

Standards

Chair: Dr Gregory Dobson, Halifax, NS

CAS Liaison: standards@cas.ca

RWANDAN RESIDENT'S EXPERIENCE AT THE CAS ANNUAL MEETING



Dr Eugene Tuyishime, University of Rwanda, at the 2017 CAS Annual Meeting in Niagara Falls, Ontario

Dr Eugene Tuyishime, Department of Anesthesia, Critical Care and Emergency Medicine, University of Rwanda

During my elective rotation at Dalhousie University, I attended the CAS Annual Meeting in Niagara Falls in June 2017. Participants were exposed to cutting-edge anesthesiology research, best practices, and hands-on learning experiences. In addition, there was an opportunity to connect with some of the brightest minds in the profession and to learn of new innovations, research, and technology.

I participated in the sessions on current updates on cardiovascular risk stratification in non-cardiac surgery, airway management, labour analgesia, education and simulation in anesthesia, and global anesthesia.

I learned that anesthesia practice should have evidence-based practice guidelines. Currently, there are no practice guidelines in Rwanda. After attending the CAS Annual Meeting, I am motivated to contribute to a plan to develop guidelines in a Rwandan National Surgical Obstetrical Anesthesia Plan. It is my hope that with guidelines and advocacy, the level of anesthesia practice can be improved, with the goal of achieving the Lancet Commission on Global Surgery indicators for accessible, safe, and affordable surgery and anesthesia by 2030.

In addition to the use of guidelines, I observed the commitment of anesthesiologists to the improvement of resident education, such as the development of competency-based medical education. This approach may be introduced in the Rwandan residency program in the near future.

Finally, I met with wonderful people who are involved in the Canadian Anesthesiologists' Society International Education Foundation (CASIEF). These people are inspired to contribute to global anesthesia safety.

At the CAS 2017 Annual Meeting, I was also exposed to the recent evidence in anesthesia research and practice, the dedication of anesthesiologists to excellent resident education, and the commitment of CASIEF to improving anesthesia practice in low-income settings. In my context, the Rwanda Society of Anesthesiologists can apply these lessons by developing guidelines of anesthesia practice, supporting resident education, and being more involved in global health activities.



THE SELF ASSESSMENT PROGRAM FROM THE *CANADIAN JOURNAL OF ANESTHESIA*—CPD ONLINE

CPD MODULE: Massive hemorrhage and transfusion
in the operating room – **September 2017**

ALSO AVAILABLE

- Managing the Perioperative Patient on Direct Oral Anticoagulants
June 2017
- The impaired anesthesiologist: What you should know about substance abuse
February 2017
- Hypertensive disorders of pregnancy
September 2016
- An update on the prone position
June 2016
- Local anesthetic systemic toxicity
March 2016
- Potential strategies for preventing chronic postoperative pain: a practical approach
December 2015

HOW TO ACCESS THE MODULES

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

Successful completion of each module of the self-assessment program will entitle readers to claim four hours of continuing professional development (CPD) under section 3 of CPD options, for a total of 12 maintenance of certification credits. Section 3 hours are not limited to a maximum number of credits per five-year period.

Publication of these modules is made possible through unrestricted education grants from the following industry partners:



Medtronic

SAFEGUARD WHAT MATTERS

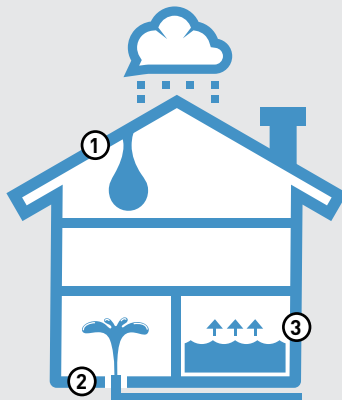
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FROM THE PERSONAL

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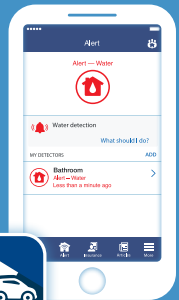
Follow us for tips on how to prevent water damage.

The Personal refers to The Personal Insurance Company. Certain conditions, limitations and exclusions may apply. The terms and conditions of the coverages described are set out in the insurance policy, which always prevails. Auto Insurance is not available in MB, SK and BC due to government-run plans.



ALERT

Water and freeze detector with smartphone notifications in The Personal App



thePersonal

Home and Auto Group Insurer

The right fit.



Canadian Anesthesiologists' Society

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Canadian Anesthesiologists' Society (CAS).**

CAS welcomes comments and suggestions from readers.

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Publisher:

Canadian Anesthesiologists' Society
1 Eglinton Avenue East, Suite 208
Toronto, ON, Canada M4P 3A1

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