

2007 Awards



Dr Joanne Douglas, CAS Gold Medal winner, and CAS President Dr Shane Sheppard.

Gold Medal Joanne Douglas

In recognition of her outstanding success as a clinician, teacher, and author. Her work has advanced the practice of obstetrical anesthesia and improved the comfort and safety of countless women. Her kindness, generosity and high standard of professionalism are known to all who have had the pleasure to meet and work with her.



Dr Frances Chung, Research Recognition Award winner, and CAS President Dr Shane Sheppard.

Research Recognition Award Frances Chung

In recognition of her extraordinary contributions to anesthesia research, especially in the area of ambulatory anesthesia where she is recognized internationally for her expertise and contributions. She has been a mentor and research supervisor to many residents and fellows and a much sought-after lecturer.



CAS President Dr Shane Sheppard and Dr Gregory Hare.

Richard Knill Research Competition

Gregory Hare

CAS President Dr Shane Sheppard congratulates Gregory Hare who placed first in the Richard Knill Research Competition for his work on "Acute anemia accentuates cerebral injury following neurotrauma in rats."



Clinical Teacher Award winner, Dr Desiree Persaud, and CAS President Dr Shane Sheppard.

Clinical Teacher Award

Desiree Persaud

In recognition of her enthusiasm, leadership, dedication, and inspiration in teaching medical students, residents, and colleagues, her skill as a clinician, and her advocacy of academic anesthesia. She is truly a role model for her students and colleagues.



John Bradley Young Educator Award winner Dr Viren Naik, and CAS President Dr Shane Sheppard.

John Bradley Young Educator Award

Viren Naik

In recognition of his dynamic and passionate teaching style and his infectious love for his chosen profession. This award honours the memory of Dr John Bradley, winner of the 2004 CAS Clinical Teacher Award, who passed away in March 2006.

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2007/2008

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President's Message

First I would like to thank all members who attended our 2007 Annual Meeting in Calgary. It was another huge success thanks in part to Dr Rosemary Craen, our Annual Meeting Chair. We all look forward to Halifax in 2008 as Dr Hugh Devitt takes over the helm.

Since June, Dr Pierre Fiset and his Allied Health Committee are working on a more detailed definition of the "core competencies", both academic and technical, required to become an Anesthesia Assistant. As we move forward with this and other collaborative projects, the CAS will take a leadership role in defining how our scope of practice will interact with all Allied Health Professionals.

This fall, the CAS is undertaking a much needed Strategic Review. It has been many years since we have gone to the grassroots membership for advice on your needs and expectations. This is a member driven society that exists for your collective good. Member services

and benefits must align with demand. To assist the CAS in this process, we have engaged an outside consulting firm to design a series of questions that will be put to the entire membership. After tabulating the results, they will meet with the Board at our October meeting. From that process, we hope to tailor our services and benefits to best meet the needs of today's members.

On the national front, the CMA Annual Meeting is centering discussion around two issues, "access to care" and "collaborative care". Topics being discussed are funding models, infrastructure gaps, regional inequities, physician assistants and the medical liability of teams. It appears that the issues facing our members on a daily basis are quite widespread in Canadian medicine. It appears the CMA's mission statement, "Timely Access to Quality Care" is apropos for the CAS as well.

Shane Sheppard, MD FRCPC
President

Ontario Anesthesia Meeting
GOLF TOURNAMENT
sponsored by the Section on Anesthesia of the OMA/CAS

Royal Niagara Golf Club
Sept. 27, 2007

\$85 per player
Tee Off : 2 PM



Our profession
deserves a firm
FOUNDATION

To register contact Mary Gahagan at gahaganm@mcmaster.ca
or online at www.ontarioanesthesiameting.com

ALL PROCEEDS TO CARF
CARF
Canadian Anesthesia Research Foundation

News from the Board

June 26 to 27, 2007

Anesthesia Assistants

The Allied Health Committee will review the Anesthesia Assistant training programs that exist or are in development across Canada to consider national standards. No decision has been reached on whether these programs should be accredited by CAS or another organization. The Standards Committee has drafted a professional responsibilities paper that takes into consideration the evolving role of Anesthesia Assistants and anesthesia care teams.

Strategic Plan

CAS has engaged Mr Jack Shand, the consultant who led the Executive Director search last year, to facilitate a strategic planning session. The first step will be for Mr Shand and associates to conduct telephone research interviews with several CAS members. These interviews are expected to be completed in July and August, and the results will be used by Mr Shand to develop a questionnaire that will be sent electronically to all members in September. The results of the member survey will be used by the Board and used to plan in a strategic planning retreat in October.

The Executive Director, Mr Stan Mandarich, has completed an internal audit of the Society's operations to

identify strengths and weaknesses, and these results have been shared with Mr Shand for use in the strategic planning.

Ontario Awareness Campaign

Ontario anesthesiologists have developed a campaign to show the Ontario government that anesthesiologists are organized, united, and funded. There are certain outstanding concerns, in particular the need to understand and monitor developments at the University of Toronto's School of Nursing for a nurse practitioner role, and to make the anesthesia care team model work.

Physician Resources

ACUDA contacted the 17 university departments of anesthesia and provided projections on the increase in the number of trainees: both Canadian and international graduates and including family medicine anesthesia residents. The total projection for new anesthesiologists entering practice from all three streams is as follows: 2007: 111; 2008: 117; 2009: 129; 2010: 141; and 2011: 151.

Research Awards

CAS will enter a budget line of \$20,000 to support the CARF endowment in 2008 to support funding of research awards.

Treasurer



Dr Susan O'Leary

Dr Susan O'Leary attended the University of Western Ontario,

where she obtained a degree in physical therapy. She then worked in physical therapy for several years prior to attending medical school at Memorial University of Newfoundland (MUN). Following her graduation in 1991, she stayed at MUN for her internship and anesthesia residency training. At present, she practises at the St Clare's site of Eastern Health in St John's, where she provides anesthetics for general and sub-specialty surgical procedures, acute pain service, and obstetrical suite coverage.

Dr O'Leary enjoys academic pursuits, and resident teaching is a part of her daily clinical practice. She is Chair of the Anesthesia Simulator Committee and guides simulator training of residents and staff. She is also an examiner with the Royal College Board of Examiners.

Dr O'Leary lives with her husband and two children in Outer Cove, a small community just outside of St John's. Coming home each day to the sounds, smells, and views of the Atlantic Ocean is one of her reasons for living in Newfoundland, where she loves biking, running, and playing golf. Family sporting activities and vacations balance a busy work schedule.

Call for Nominations • CAS Vice-president

By 31 December 2007, the Nominating Committee, chaired by Past President Dr Renwick Mann, is required to present the Board with a nominee for a new CAS Vice-President to take office September 1, 2008. In normal circumstances, the Vice-President will move to become President after two years.

Under the CAS Bylaw, the nominee must have been a member of the CAS Board or a committee Chair within the past three years. A list of eligible members is available on request, please contact Joy Brickell at adminsivices@cas.ca.

CAS members are invited to pro-

pose nominees by contacting the Executive Director, Stan Mandarich, via e-mail at director@cas.ca.

Deadline: October 31, 2007

Residents' Competition • CAS 2007 Annual Meeting

First Place



Dr Dov Weiss won first place in the Residents' Competition for "Sleep deprivation and anesthesiologists' technical skills" and is seen here accepting his prize from the CAS President Dr Shane Sheppard.

Second Place



Dr Anna Wyand won second place in the Residents' Competition for "Does the clock-drawing test detect delirium or POCD after aortic repair?" and is seen here accepting her prize from the CAS President Dr Shane Sheppard.

Third Place



Dr François Martin Carrier won third place in the Residents' Competition for "Epidural analgesia in traumatic rib fractures: a systematic review" and is seen here accepting his prize from the CAS President Dr Shane Sheppard.

A "Hair-Raising" Event becomes a Fund-Raising Event for CARF!

Unplanned Entertainment at the President's Dinner

It all started with a dare. One of Dr Greg Hare's colleagues said to him at their departmental dinner: "If you shave your head, I'll donate \$1,000 to CARF!" Over the course of the next few minutes, a few more promises of donations were made, and over \$1,500 was raised in pledges! When I got wind of this, I asked Greg if he was willing to "go public" and have his head shaved at the President's Banquet. Being a good sport, he agreed.

With help from Congress Canada, our meeting organizers, the necessary equipment (warm water, clean towels, razor, shaving cream) was assembled for the event. A few residents with experience in this area (Drs Hance Clarke, Peter Darby and Dov Weiss) volunteered to be the shavers. Pledge sheets were passed out to each table. One table then stated they would double all their pledges if Dr Pierre Fiset (our Vice-President) was also willing to be shaved!

Poor guy, what could he say . . . He chose two "beginner" head shavers to shave him — Drs Joanne Douglas and Angela Enright!

Dr John Cowan contributed to the event by providing freshly squeezed cranberry juice that would look like blood if poured on Pierre's head. To my surprise, our meeting planner came rushing up to the stage and handed me a dozen Band-Aids, thinking that Pierre was actually hemorrhaging! People who sat at the back of the room thought the same. I would like to reassure everyone, that our 2 apprentice shavers utilized "bloodless shaving techniques", and that blood loss was minimal.

Over \$16,000 was raised in pledges for CARF from that event which also provided much entertainment. To date \$13,000 of it has been collected.

I would like to thank everyone who has processed their donation, and



What does \$16,000 look like?

encourage the remainder of the pledgers to do the same (using the CAS website). And most of all, a great thank you to the participants (the shaved and the shavers) for volunteering their hair and shaving skills to raise money for our research foundation.

Doreen Yee, MD FRCPC MBA
Chair, CARF

Highlights of Calgary



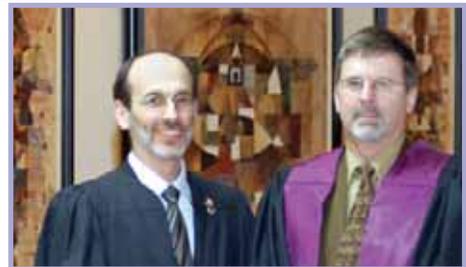
Annual Meeting registration and the Welcome Reception started off this year's meeting in Calgary: a relaxing evening filled with music, food, and friends.



Dr Rosemary Craen, outgoing Annual Meeting Chair



Plenary symposium speakers (from left to right) Dr Paul Armstrong, Dr Rosemary Craen, Dr Richard Reznick



Introducer: Dr David Mazer with Royal College lecturer Dr Andreas Laupacis



The sixth-annual Golden Glottis Cup Challenge was an artistic extravaganza hosted at Art Gallery of Calgary.



President's Dinner and Reception.



Message from the Research Committee Chair

In announcing the 2008 Research Grants, Career Scientist and Residents' Awards Program, the CAS and CARF reaffirm their commitment to supporting investigators who build the scientific foundation of anesthesiology and facilitate its translation into clinical practice.

The CAS Research Advisory Committee wishes to thank those individuals and groups whose generous donations to CARF have made the CAS 2008 Research Grants, Career Scientist and Residents' Awards Program possible. In particular, we would like to gratefully acknowledge our corporate sponsors for their ongoing support: Abbott Laboratories Ltd, Baxter Corporation, Bayer HealthCare Pharmaceuticals division, Organon Canada Ltd, Novo Nordisk Canada, Smiths Medical Canada Ltd, Vitaid Ltd, and the Canadian Patient Safety Institute. We are very pleased to announce that in 2008 we will present the inaugural CAS/GE Healthcare Canada Research Award in Perioperative Imaging related to anesthesia and/or critical care, and we welcome GE Healthcare Canada as a corporate sponsor of our Research Grants Program.

Several other important developments in the program occurred in 2007:

- We presented the inaugural Novo Nordisk Canada-CAS Research Award in Perioperative Hemorrhage, Hemostasis and/or Transfusion Medicine at our June Annual Meeting in Calgary. This represented a new partnership between Novo Nordisk Canada and the CAS.

- Organon Canada Ltd has agreed to increase its support for the 2008 Organon Canada Ltd Canadian Research Award in Anesthesia to \$40,000 per year, currently the highest amount for a CAS operating grant.

- In partnership with the Canadian Patient Safety Institute we will again present an award focused on patient safety research, defined as research on mitigation of unsafe practices, and/or development of best practices for achieving optimal patient outcomes in the practice of clinical anesthesia. Co-sponsored by the Canadian Patient Safety Institute and CARF, the Dr R A Gordon Patient Safety Research Award emphasizes the long-standing commitment of anesthesiologists to improvements in patient safety.

- Bayer HealthCare Pharmaceuticals division has agreed to continue to sponsor

the Dr Earl Wynands Research Award in Cardiovascular Anesthesia and/or Perioperative Blood Conservation. We thank Bayer for its continued sponsorship of this subspecialty award.

In addition to operating grants, our program includes the CAS/Abbott Laboratories Ltd Career Scientist Award in Anesthesia, which provides salary support for investigators for up to two years. This Career Scientist Award requires universities to make commitments to their researchers by providing matching funds and guaranteeing protected research time. With the CAS/Vitaid-LMA Residents' Research Grant Competition, we are pleased to be able to offer support for individuals committed to doing research at virtually all levels of training.

Once again, we thank all those who have donated to CARF and who share in the commitment to sustaining and advancing anesthesia research in Canada.

Neal Badner, MD FRCPC
Chair, CAS Research Committee

The Final Round up News from Calgary

The dust has settled following the successful June 2007 CAS Annual Meeting in Calgary. The weather cooperated, volunteers showed up on time and the Three Amigo Summit was booked elsewhere! Colleagues had a chance to meet new friends and renew old friendships at the numerous social events.

The sixth-annual Golden Glottis Cup Challenge was held at the Art Gallery of Calgary. This year, an art competition required provincial teams to put their interpretation of anesthesia and dreams onto canvas. In spite of some initial reluctance, the teams pulled

together to produce some truly surprising results. Alberta was pronounced the winner.

The GE Healthcare reception followed and ensured that all were well fed and watered. It was a wonderful event.

The pieces of art were displayed at the meeting the following days and were sold off to the highest bidders. All proceeds of the auction went to CARF.

Other highlights of the meeting included a sold out wine and food pairing event on Sunday evening and the CARF Fun Run sponsored by Baxter and organized by Dr Neal Maher.

The President's Dinner was well attended. An impromptu head shaving, following the President's speech, provided a new look for the summer and increased donations to CARF.

As I type this, I know that the Local Arrangements Committee is busy organizing the social events to keep all of you entertained at next year's meeting in Halifax. Be sure to mark it on your calendar!

Joel Fox MD FRCPC
2007 Calgary Local Arrangements Chair

Invitation to Submit Award Applications

Career Scientist Award

- CAS/Abbott Laboratories Ltd Career Scientist Award in Anesthesia \$120,000

New Investigator Awards

- Canadian Anesthesiologists' Society Research Award (*supported by donations to the Canadian Anesthesia Research Foundation*) \$30,000
- Baxter Corporation Canadian Research Award in Anesthesia \$20,000
- David S Sheridan Canadian Research Award (*supported by donations to the Canadian Anesthesia Research Foundation*) \$10,000

Open Awards

- Dr R A Gordon Patient Safety Research Award (*supported by donations to the Canadian Anesthesia Research Foundation and by the Canadian Patient Safety Institute*) \$40,000
- Organon Canada Ltd Canadian Research Award in Anesthesia **\$40,000** New Award Amount for 2008!

Subspecialty Awards

- Novo Nordisk Canada-CAS Research Award in Perioperative Hemorrhage, Hemostasis, and/or Transfusion Medicine \$40,000
- Dr Earl Wynands Research Award in Cardiovascular Anesthesia and/or Perioperative Blood Conservation (*sponsored by Bayer HealthCare Pharmaceuticals division*) \$30,000
- **NEW!** CAS/GE Healthcare Canada Research Award in Perioperative Imaging \$30,000
- Canadian Anesthesiologists' Society Research Grant in Neuroanesthesia (*Supported in part by CARF and the CAS Neuroanesthesia Section.*) \$20,000
- Smiths Medical Canada Ltd Canadian Research Award in Pain Research and/or Regional Anesthesia \$10,000

Residents' Award

- CAS/Vitaid-LMA Residents' Research Grant Competition \$5,000

Application Deadline
November 16, 2007

For more information, please contact:
Research Grants, Career Scientist,
Fellowship and Residents' Program

Canadian Anesthesiologists' Society

One Eglinton Avenue East, Suite 208

Toronto, Ontario M4P 3A1

Phone: 416-480-0602 ext 11

Fax: 416-480-0320

Email: membership@cas.ca

Online: www.cas.ca/research/grants_awards

2007

CAS Medical Student
Prize Winner

Ada Poranek

Dalhousie University

THE EVOLUTION OF PAIN
[summary]

Pain is one of the most basic and universal human experiences, but our understanding of it has changed over time. In the remote past, pain was believed to be supernatural in origin and accepted as a normal aspect of everyday life. Surgeries and amputations occurred for centuries without any effective pain relief; it was not until the early 1840s that the pain of major operations was significantly reduced with the introduction of anesthesia.

The discovery of anesthesia is one of the greatest gifts to humanity; however, like many new medical ideas, it took time for anesthesia to be accepted. Today, pain is seen as undesirable and has acquired a scientific meaning. Once viewed as inappropriate, anesthesia is now essentially a patient's right.

Nevertheless, there are still many mysteries involving pain; for example, pain itself can become a chronic illness. Just as our predecessors were challenged with relieving the pain of surgery and childbirth, modern medicine is now confronted with the puzzle of understanding and curing chronic pain. Historical insight shows how a shift from a religious to a scientific explanation changed the management of acute pain. A similar evolution of thought and attitude is also required for discovering superior therapies to relieve chronic pain.

The complete article can be found at
www.cas.ca/members/sign_in/newsletter.

2007

Research Grants, Career Scientist, Fellowship and Residents' Award Program Winners

Bristol-Myers Squibb Canada/CAS Career Scientist Award in Anesthesia and Perioperative Medicine \$270,000

Dr Keyvan Karkouti
Toronto General Hospital, Toronto, ON
Improving hemostasis management in cardiac surgery

CAS/Abbott Laboratories Ltd Career Scientist Award in Anesthesia \$120,000

Dr Dermot Doherty
Children's Hospital of Eastern Ontario, Ottawa, ON
The anti-inflammatory effect of Anti-CD18 therapy after transient global ischemic brain injury in the mouse

Abbott Laboratories Ltd/CAS Fellowship in Anesthesia \$65,000

Dr Meredith Ford
University of Toronto, Toronto, ON
Association of beta-blocker half-life with clinical outcomes and heart rates after non-cardiac surgery

Canadian Anesthesiologists' Society Research Award \$30,000

Dr Zeev Friedman
Mount Sinai Hospital, Toronto, ON
Clinical impact of cricothyrotomy simulation on manual skill acquisition: high fidelity vs low fidelity model training

Baxter Corporation Canadian Research Award in Anesthesia \$20,000

Dr Richard Brull
Toronto Western Hospital, Toronto, ON
Can ultrasound-detected intraneural injection predict nerve injury?

David S Sheridan Canadian Research Award \$10,000

Dr Michelle Chiu
Ottawa Hospital, Ottawa, ON
Efficacy of thoracic paravertebral block in reducing chronic pain and disability after breast cancer surgery with axillary lymph node dissection

Dr R A Gordon Patient Safety Research Award \$20,000

Dr Pamela Angle
Women's College Hospital and Sunnybrook Health Sciences Centre, Toronto, ON
International RCT: effect of small vs large epidural needles on PDPH

Novo Nordisk Canada-CAS Research Award in Perioperative Hemorrhage, Hemostasis and/or Transfusion Medicine, \$40,000

Dr Jean-François Hardy
Université de Montréal, Montréal, Québec
Transfusion requirements in orthopedic surgery (TRIOS). Phase 2: a retrospective evaluation of the optimal transfusion trigger

Organon Canada Ltd Canadian Research Award in Anesthesia \$20,000

Dr David Neillpovitz
Ottawa Hospital, Ottawa, ON
Short-term atorvastatin regime for vascular surgery (STAR VaS) study

Dr Earl Wynands Research Award in Cardiovascular Anesthesia and/or Perioperative Blood Conservation \$30,000

Dr Gregory Hare
University of Toronto, Toronto, ON
Does Beta-1 adrenergic antagonism increase tissue hypoxia following acute hemodilution?

Bristol-Myers Squibb Canada-CAS Research Grant in Neuroanesthesia \$20,000

Dr Alan Mutch
University of Manitoba, Winnipeg, MB
A comparison of the EEGo and BIS monitors to assess emergence from neuroanesthesia

Smiths Medical Canada Ltd Canadian Research Award in Pain Research and/or Regional Anesthesia \$10,000

Dr Joseph Kay
Sunnybrook Health Sciences Centre, Toronto, ON
The short- and long-term effects of perioperative gabapentin use on functional, rehabilitation and pain outcomes following total knee arthroplasty: a randomized, double-blind, placebo-controlled trial

CAS/Vitaid-LMA Residents' Research Grant Competition \$5,000

Dr Bryan Houde
Université de Montréal, Montréal, QC
Trachlight et fibre optique, comparaison des mouvements cervicaux en cinéfluoroscopie



Canadian Anesthesia Research Foundation



Fun Run participants.

CARF Exhibit

Calgary saw the continuation of the CARF tradition of using the convention not only to increase awareness within the association membership but to gain financially as well. We introduced a new brochure featuring the research award winners from 1985 to 2006. In addition, three award winners, Dr Pamela Angle, 2003 Dr R A Gordon Clinical Research Award in Anesthesia; Dr Gilbert Blaise, 2004 Organon Canada Ltd Canadian Research Award in Anesthesia; and Dr David Ansley, 2005 Dr Earl Wynands Research Award in Cardiovascular Anesthesia and/or Perioperative Blood Conservation, displayed new research posters at the meeting. Delta Hotel (Halifax) donated a three-night package. The grand prize winner was Dr Angela Enright, Vancouver. As a result of the generosity of the Delta Hotel chain, as well as the tireless efforts of Dr Jan Davies, we were able to add approximately \$600 to the endowment fund. The CARF Board of Directors would like to thank all who supported the foundation by purchasing tickets.

Bruce Craig
CARF Director of Development

CARF Fun Run

The 2007 edition of the CARF fun run and walk was held June 24th in Calgary, Alberta. Forty-eight early risers participated in the 10 and 5 kilometer runs and the 3 kilometer walk. A sunny brisk morning greeted participants as they registered in the park near Eau Claire Market. The Bow River pathway provided a scenic route as the courses headed west from the downtown core, traversed the Bow River, looped on Prince's Island Park, and finished back near Eau Claire Market.

And the winners are:

5 km run

Male: Danny Riegert 24:33

Female: Kate Phillips 27:46

10 km run

Male: Michael Hillis 40:48

Female: Gillian Moll 58:19

Thank you to all participants. A special thank you goes to Shannon Johnson for a significant amount of the lead-up organization, the volunteers on the course, and Dan Boggs and the Baxter team for financial sponsorship and assistance with registration.

Neal Maher, MD FRCPC

Fourth Annual CARF Hockey Challenge

The city of Calgary over the years has hosted some very notable hockey games. None more so than the fourth annual CARF Cup fundraiser hockey challenge. As is the CARF custom, teams were divided evenly in an east-west format. The action on the ice was somewhat fast and furious, featuring numerous end-to-end rushes and highlight-reel goals. Laughter and fun on the ice continue to be the order of the day.

Again this year a fundraising draw was held during the postgame festivities.

Prize winners were Dr Peter Duke, Winnipeg (tickets to a Toronto Maple Leaf game, donated by Mr Blaine Fedson); Dr Tom Johnson, Saskatoon (NHL box tickets, donated by Mr Tom Worrall of Ticket Master); Dr Ted Schubert, Saskatoon (autographed framed picture of Dale Hawerchuk, as well as a Boston Bruin John Bucyk banner, courtesy of Hockey Hall of Fame); Dr Greg Hare, Toronto (Hockey Hall of Fame passes, courtesy of Hockey Hall of Fame); Dr Hilary Grocott, Atlanta (hardcover book Canadian Gold, courtesy of Hockey Hall of Fame); and Colin Chisholm, Abbott (Dale Hawerchuk picture, courtesy of Hockey Hall of Fame). Congratulations to all the winners, with thanks to the donors.

The organizers would like express our appreciation to Vishakha Patel and the numerous other Abbott representatives for their assistance and participation in the CARF Cup. Special thanks also to Abbott Laboratories for their financial support from the inception of this event. With their help and the support of all the participants and sponsors, over \$6,000 was raised for the CARF this year.

Bruce Craig
CARF Director of Development



CAS/Abbott Laboratories Ltd Career Scientist Award in Anesthesia

Dr Dermot Doherty

University of Ottawa, Ottawa ON

The anti-inflammatory effects of anti-CD18 after transient global cerebral ischemia in the mouse

Dr Doherty is a staff anesthesiologist and pediatric intensivist at the Children's Hospital of Eastern Ontario, and assistant professor in the Department of Anesthesiology at the University of Ottawa.

Direction of Research

Global cerebral ischemia is a devastating pathophysiological process, involving several clinical conditions that have diverse etiologies. For example, patients who have suffered cardiorespiratory arrest, traumatic brain injury, birth asphyxia, neurosurgery, and cardiac surgery involving circulatory arrest will have a spectrum of responses to transient brain ischemia and reperfusion. Hypothermia therapy is the only clinically effective therapy for treating cerebral ischemia, but despite its success, there are three reasons for concern: first, the mechanisms of hypothermia therapy are not fully understood; second, it has

major adverse physiological effects (eg immune suppression, excessive bleeding) that limit its depth and duration; third, hypothermia therapy is not easy to carry out, as it requires patients to be mechanically ventilated with neuromuscular blockade and the application of an extrinsic or internal source of thermal gradient, both of which have their own limitations and complications.

In his postdoctoral degree under the supervision of Dr James Hutchison at the Hospital for Sick Children Research Institute in Toronto, Dr Doherty focused on the anti-inflammatory mechanisms of hypothermia therapy. In a pre-clinical model of transient global cerebral ischemia, he found that hypothermia therapy inhibited leukocyte recruitment to the post-ischemic cerebral vascular endothelium by inhibiting adhesion receptor expression.

Dr Doherty is now reporting preliminary evidence showing that blocking

adhesion receptors (using an antibody to the β_2 integrin CD18) without hypothermia therapy decreased neuronal death and improved functional outcome following global cerebral ischemia in mice. The current award is to continue his research in this area as an independent investigator in the Children's Hospital of Eastern Ontario Research Institute. Over the next 2 years, he will describe experiments to further test the anti-inflammatory effects of anti-adhesion therapy in a mouse model of transient global cerebral ischemia and better understand the relationship between inflammation and neuronal cell death after ischemia. The goal is to develop an anti-inflammatory treatment protocol that will enhance, expedite, or replace the beneficial effects of hypothermia therapy across a broad range of conditions associated with transient cerebral ischemia.

The Canadian Anesthesiologists' Society thanks Abbott for a Long History of Support



Steve Martin from Abbott and Dr Dermot Doherty

Abbott has a history of sponsoring education for the anesthesiology community: a total of over \$1,000,000 committed to the CAS Fellowship and Career Scientist Awards alone since 1998.

Report from the Ontario Division

For those of you who attended the political forum at the CAS meeting in Calgary, some of what follows may be “old hat.”

Dr Steve Brown, Chair of the Ontario Section on Anesthesia, and I presented an update on anesthesia care teams as they are being structured and funded, and the negotiation process that led to their formation in Ontario. The OMA has been involved in constructing the fee templates, both through the Section on Anesthesia and direct involvement with Ministry of Health officials. Several centres are involved in the training of anesthesia assistants, and a challenge for the CAS is to develop linkages with the appropriate organizations to ensure standardization of curricula and some form of accreditation process. CAS Vice President Dr Pierre Fiset and I will be actively involved in this endeavour.

The OMA/CAS has been actively fundraising as we prepare for a possible media campaign to inform the public of

anesthesia issues, both in a generic fashion and as they relate to Ontario. We have raised a substantial sum of money and employed the services of a major public relations firm to help us develop our message in the most effective manner. We want our messaging to be professional and resonant, and to present a positive public image. To succeed in the campaign, we need to reach out to our communities across the province, using every opportunity to deliver our message about anesthesia care; scope of practice issues; and the importance of safe, accessible, quality anesthesia care in Ontario.

Our section’s annual meeting is being held in Niagara Falls this year. Dr Chris Ricci is leading the organizing committee and has developed another excellent CME program that is outstanding “bang for your buck.” The section executive will be changing somewhat, with Dr Steve Brown stepping down as Chair after an eventful and very busy two-year term, and I would like to use this oppor-

tunity to give him personal thanks for his efforts on our behalf. The new executive will be elected at the business portion of the Annual Meeting.

Alternate funding plans (AFPs) at all the AHSC sites in Ontario are in the process of being renegotiated. Anesthesia departments have the opportunity to participate, and the new contracts should be available this September. These renegotiations involve substantial sums of money, and anesthesia is eligible for a portion thereof. Currently, three academic departments of anesthesia in Ontario (Queen’s, SickKids, and Children’s Hospital of Eastern Ontario) are participating in full AFPs, whereas all remaining departments are in partial AFPs. The Northern Ontario School of Medicine will have its own financial arrangement between the physicians and the province.

Geraint Lewis, FRCPC
Ontario Divisional Representative

Why is it Important for Graduating Residents to Continue Membership to the CAS?

Congratulations to those who have successfully completed the Royal College exams. As residents, we all enjoy free membership to the CAS. This gives us access to all the benefits the CAS has to offer. Some of these advantages include the *Guidelines to the Practice of Anesthesia*, research, receiving the *Canadian Journal of Anesthesia* and attending the Annual Meeting. More recently, the CAS has offered a Residents’ Day at the Annual Meeting, and a Residents’ web page.

Access to all of these resources is a great reason to maintain your CAS membership once you have completed your residency. There is another important reason: there are strong lobby groups in Canada that want to determine what your anesthesia practice will look like in the future. Considering you have just started your practice and have many years before retirement, it is imperative you support your voice in these matters. The CAS is heavily involved in changes that will

occur, and is an advocate for patient safety and your safe anesthesia practice.

Remember to send in your renewal membership forms when they come, and enjoy no longer being a resident!

Julie Lajoie
Resident Representative



Anesthesia News

Please send contributions to:
Anesthesia News
Canadian Anesthesiologists' Society
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Toronto, Ontario M4P 3A1

Or email:
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Anesthesia News serves to inform CAS members about current CAS activities and topics of general interest to Canadian anesthesiologists.

Congratulations to Our Passport Winners!



Welcome Reception.

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The Exhibit Hall at the Telus Convention Centre/Hyatt Regency Hotel was an ideal place for our industry partners this year. It provided more than ample room for the poster area, the exhibits, and the various coffee and lunch breaks, so that our delegates could rest and fuel up between sessions. A record 95 booths were sold in Calgary, and by all accounts it was very successful in terms of the delegates' interest and interaction with our industry partners.

Due to the success of this year's Annual Meeting and the early-bird booking special, Neil Hutton, CAS Industry Liaison Officer, reports that almost 60% of the exhibit space for Halifax 2008 has already been sold.

Congratulations to the following delegates who had their exhibit passports validated and won the following

incentives to join us in Halifax from July 13 to 17 next year!

Ivo Zemek from Riyadh, Saudi Arabia, won the first prize of four nights at the Delta Barrington Hotel.

Philip Role from Sandpoint, Idaho, won the second prize of a complimentary full-meeting registration, plus two optional scientific events of his choice, at the 2008 CAS Annual Meeting.

Lonnie Haver from Edmonton, Alberta, won the third prize of a gift certificate for dinner for two at the Stone Street Café, located in the Delta Barrington Hotel, valid during the 2008 CAS Annual Meeting.

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