



Anesthesia
UNIVERSITY OF TORONTO

2012-13

Anesthesia

ANNUAL REPORT

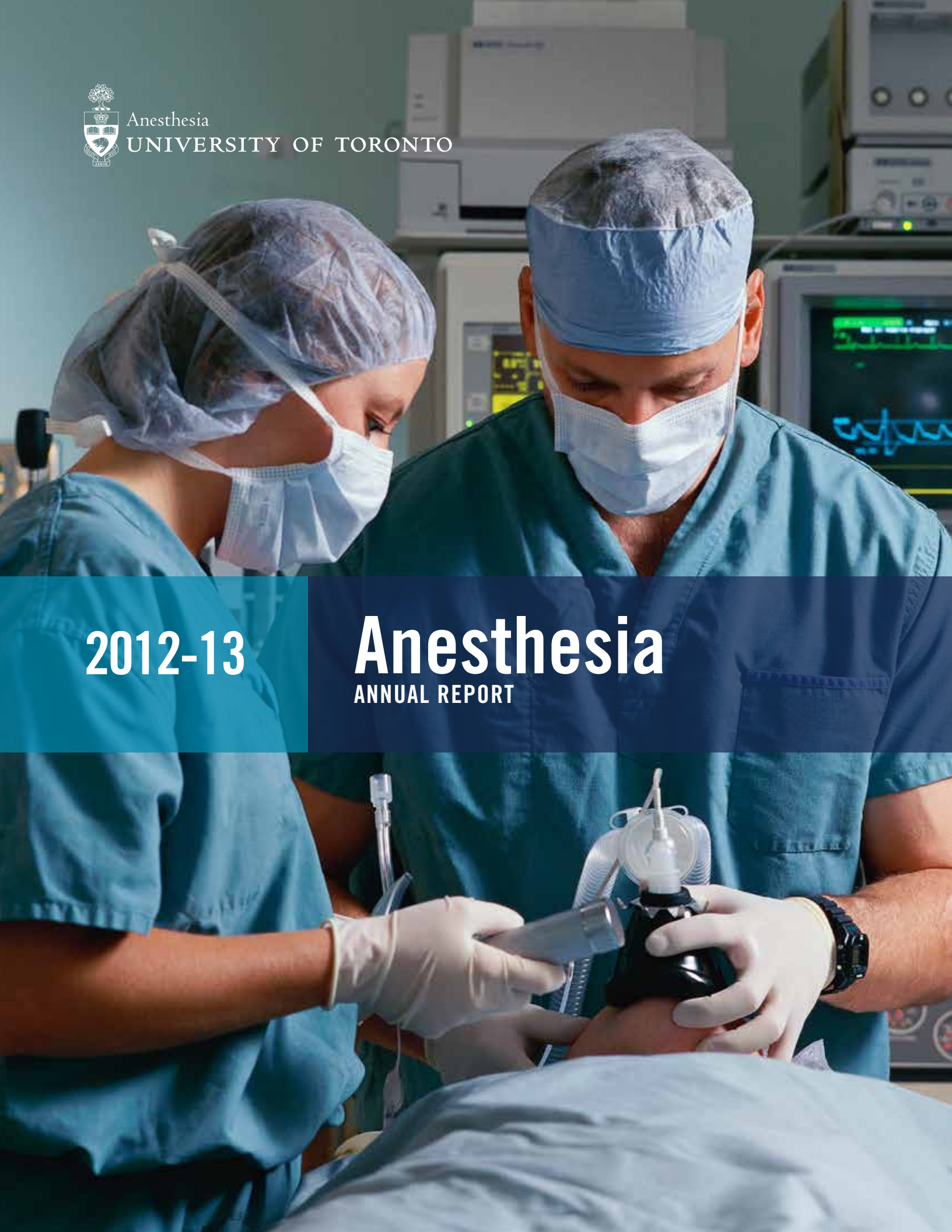


Table of Contents

CHAIR'S INTRODUCTION	2
Vision, Mission and Values	3
ANESTHESIA LEADERSHIP	4
Department Committees	5
Faculty and Affiliated Hospitals	5
PROGRESS: STRATEGIC PLAN 2009-2014	6
RECOGNITION OF EXCELLENCE: HONOURS, AWARDS, CHAIRS AND PROMOTIONS	8
Departmental Merit Awards: 2011-2013 Cycle	10
New Investigators Merit Awards: 2012-2013	11
Anesthesia Clinician-Scientist Transition Awards: 2012-2013	11
Additional Awards and Honours	12
Faculty Promotions and Recognition	13
ENHANCING CLINICAL PRACTICE	14
Clinical Statistics: Fully Affiliated Hospitals	15
ANESTHESIA EDUCATION AT THE UNIVERSITY OF TORONTO	16
Undergraduate Education Programs	18
Postgraduate Education Programs	20
Residents 2012-2013	21
Fellowship Programs	22
Anesthesia Fellows 2012-2013	23
Continuing Medical Education	24
Course Development	24
Course Sponsorship	24
Faculty Development	26
RESEARCH PROGRAMS	28
Annual Shields Research Day 2013	30
PUBLICATIONS	32
Peer-Reviewed Publications	32
Non Peer-Reviewed Publications	42
Chapters In Books	43
INVITED LECTURERS	45
RESEARCH FUNDING	64
Peer-Reviewed Grants	64
Non-Peer Reviewed Grants	72

Chair's Introduction

Dr. Brian Kavanagh

Among university departments of Anesthesia, we consistently rank #1 in Canada and #2 in North America... but our comparators are changing

I bring your attention to multiple facets of the report covering a sustained and heavy clinical case load, a growing faculty base, an expanding research mandate and a high volume of the highest quality of education and teaching commitments.

You will see recognition of excellence for education and research for faculty, fellows and residents. In addition to the competitive merit awards please note that two of our new faculty won the Mentored Research Awards from the International Anesthesia Research Society (two of four available worldwide). We have several reports from our Vice-Chairs and program leaders covering clinical practice, education (including fellowship, undergraduate and residency), faculty development and research, and in research our sustained ranking is again apparent as we consistently

Welcome to the 2012-13 Annual Report of the Department of Anesthesia at the University of Toronto. This report is built around our department's Strategic Plan devised in 2009 and updated several times since. You will see as you read through the document how we focus on advancement, advocacy and alumni programs, and academic productivity in education, teaching and research.

rank Best in Canada and Number Two in publicly funded universities in North America (Thomson Reuters ranking). This is based on a broad spectrum of high caliber original research, which in turn is supported by an increasing spectrum of competitive peer-reviewed funding.

Please dip into this report; we believe it places our profession on a high and improving trajectory. I thank all of our faculty and program leaders in the university and hospital departments, our administrative staff led by Dr. Craig Daniels and in particular, Dr. David Mazer who covered last year during my administrative leave.

I hope you enjoy this report and learn from it and understand how ultimately, the work we do enhances patient care.



Regards,

A handwritten signature in blue ink that reads "Brian Kavanagh".

Brian Kavanagh
Professor and Chair



OUR VISION

The provision of safe and innovative anesthetic, analgesic, perioperative and critical illness management for our patients.

OUR MISSION

The delivery and promotion of preeminent perioperative patient care through continued vigilance, innovation, and scholarship.

OUR VALUES

Our values are the principles by which we guide our mission and reflect the values articulated by our university faculty and our core clinical institutions. We cherish the following values:

- Integrity;
- Commitment to innovation and excellence;
- Life-long learning and critical inquiry;
- Diversity and social justice;
- Partnership with our health science centres;
- Collaboration among disciplines, professions, and in our community;
- Support and collegiality;
- Accountability; and,
- Responsiveness to those whom we serve.

Anesthesia Leadership

Office Of The Chair and Executive

Dr. Brian Kavanagh..... Chair	Dr. David McKnight Vice Chair, Education	Dr. Sue Belo Sunnybrook Health Sciences Centre
Dr. David Mazer Acting Chair (November 2012-November 2013)	Dr. David Mazer..... Vice Chair, Research	Dr. John Laffey..... St. Michael's Hospital
Dr. Gerald O'Leary Vice Chair, Clinical Practice	Dr. Craig Daniels Business Manager	Dr. Gerald O'Leary ... UHN - TGH, TWH; Mount Sinai and Women's College Hospital
	Dr. Mark Crawford..... The Hospital for Sick Children	

Undergraduate Education Programs

Dr. Isabella Devito Director	Dr. Diana Tamir Preclerkship Coordinator	Dr. Marjan Jariani OSCE Committee Representative
Dr. Clyde Matava Electives Coordinator	Dr. Anita Sarmah Simulation Coordinator	Mr. Gary Cronin Program Assistant

Site Coordinators

Dr. Marjan Jariani UHN (Toronto General Hospital)	Dr. Ahtsham Niazi UHN (Toronto Western Hospital)	Dr. Suzanne Lilker .. St. Joseph's Health Centre
Dr. Diana Tamir UHN (Toronto General Hospital)	Dr. Anita Sarmah Sunnybrook Health Sciences Centre	Dr. Hossam El Beheiry ... Trillium Health Centre
Dr. Dragan Djordevic .. Women's College Hospital	Dr. Patrick Mark Toronto East General Hospital	Dr. Andrew Green Trillium Health Centre
Dr. Mital Joshi..... Mount Sinai Hospital	Dr. Clyde Matava The Hospital for Sick Children	Dr. Larry Panos..... The Scarborough Hospital- General Division
Dr. Carol Loffelmann..... St. Michael's Hospital	Dr. Christopher Flynn Credit Valley Hospital	Dr. Alan Tallmeister The Scarborough Hospital- Birchmount

Postgraduate Education Programs

Dr. Mark Levine..... Director	Dr. Megan Hayter..... Anesthesia Simulator Coordinator	Dr. David McKnight Vice Chair, Education
Dr. Henderson Lee..... Director, Family Practice Anesthesia	Dr. Beverly Morningstar Resident Counselor	Dr. David Mazer..... Vice Chair, Research
		Ms. Jennifer Morris..... Program Assistant

Site Coordinators

Dr. Deven Chandra..... St. Michael's Hospital	Dr. Marianne Graham..... Sunnybrook Health Sciences Centre	Dr. Henderson Lee..... Family Practice Anesthesia Program
Dr. Lisa Bahrey..... UHN (Toronto General Hospital)	Dr. Kamal Hussain Women's College Hospital	Dr. Sunita Sastry UHN (Toronto Western Hospital)
Dr. Martin Ma..... UHN (Toronto General Hospital)	Dr. Arun Prasad..... Women's College Hospital/TWH	Dr. Kyle Kirkham UHN (Toronto Western Hospital)
Dr. Howard Fischer Mount Sinai Hospital	Dr. Vaibhav Kamble Toronto East General Hospital	Dr. Elaine Ng Hospital for Sick Children
Dr. Aliya Salman..... Mount Sinai Hospital		Dr. Stephen Lee St. Joseph's Health Centre

Fellowship Education Programs

Dr. Doreen Yee .. Director, Fellowship Programs	Ms. Jennifer Morris..... Program Assistant
---	--

Site Coordinators

Dr. Jose Carvalho..... Mount Sinai Hospital (Obstetric Anesthesia)	Dr. Paul McHardy Sunnybrook Health Sciences Centre	Dr. Ilavajady Srinivasan..... Hospital for Sick Children
Dr. Coimbatore Srinivas..... UHN (Toronto General Hospital)	Dr. Andrea Rigamonti.... St. Michael's Hospital	Dr. Naveed Siddiqui..... Mount Sinai Hospital
	Dr. Ki Jinn Chin..... UHN (Toronto Western Hospital)	

Continuing Education and Professional Development

Dr. Peter Slinger..... Chair	Dr. Zeev Friedman Chair, Annual Shields Research Day 2013	Dr. Martin van der Vyver Chair, Faculty Development Day 2012
------------------------------	---	--

Department Committees

Executive Committee	BP. Kavanagh (Chair), S. Belo, M. Crawford, C. Daniels (Secretary), J. Laffey, D. McKnight, D. Mazer (Acting Chair, Nov 2012-13), G. O'Leary.
Education Council	D. McKnight (Chair), I. Devito, BP. Kavanagh, M. Levine, J. Morris (Secretary), P. Slinger, M. van der Vyver, D. Yee.
Department Appointments Committee	B. Macpherson (Chair), C. Daniels (Secretary), S. Halpern, M. O'Driscoll, A. Perlas, J. Wassermann.
Promotions Committee	P. Morgan (Chair), S. Beattie, R. Brull, M. Crawford, V. Chan, F. Chung, C. Daniels (Secretary), G. Hare, J. Katz, BP. Kavanagh (ex-officio), J. Laffey, D. Mazer, B. Orser, J. Tarshis.
Undergraduate Education Committee	I. Devito (Chair), V. Chinnappa, M. Choi, G. Cronin (Secretary), H. El Beheiry, C. Flynn, D. Irwin, M. Jariani, M. Joshi, BP. Kavanagh, S. Lilker, C. Loffelmann, P. Mark, H. Meng, C. Matava, D. McKnight, A. Niazi, L. Panos, A. Sarmah, E. Sui, A. Tallmeister, D. Tamir, D. Thakrar.
Postgraduate Education	M. Levine (Chair), L. Bahrey, D. Chandra, I. Devito, J. Gleisher, M. Hayter, V. Kamble, BP. Kavanagh, A. Kealey, J. Khan, K. Kirkham, A. Kristina, M. Ma, D. Mazer, D. McKnight, B. Morningstar, J. Morris (Secretary), E. Ng, C. Perkes, A. Prasad, A. Salman, S. Sastry, M. Woloszyk, S. Yu.
Fellowship Education	D. Yee (Chair), J. Carvalho, S. Halpern, K. Jinn Chin, P. McHardy, J. Morris (Secretary), A. Prabhu, A. Rigamonti, A. Salman, N. Siddiqui, C. Srinivas, I. Srinivasan.
Continuing Medical Education/ Professional Development	P. Slinger (Chair), E. AuYeung, S. Davies, M. Friedlander, M. Hayter, K. Hussain, L. Isaac, BP. Kavanagh, C. Knapp, C. Margarido, C. Matava, D. McKnight, S. Riazi, L. Venkatraghavan, M. van der Vyver.
Research Committee	D. Mazer (Chair), A. Baker, S. Beattie, M. Crawford, Z. Friedman, S. Halpern, S. Kapoor, BP. Kavanagh, M. Levine, A. MacArthur, D. McKnight, B. Orser, G. Petroz, D. Yee.
Shields Day 2013 Planning Committee	Z. Friedman (Chair), G. Cronin, C. Daniels, BP. Kavanagh, J. Morris.
Faculty Development Day 2012 Planning Committee	M. van der Vyver (Chair), G. Cronin, C. Daniels, BP. Kavanagh, C. Matava, J. Morris, S. Riazi.
Faculty Development Committee	M. van der Vyver (Chair), BP. Kavanagh, S. Lilker, D. McKnight, C. Matava, M. O'Driscoll, S. Riazi, P. Slinger, E. You-Ten, C. Daniels.

Faculty and Affiliated Hospitals

The University of Toronto and thus, the Department of Anesthesia, has full affiliation agreements with 7 Toronto-area hospitals. We have more than 260 full-time faculty members at the following hospitals (please see our website at www.anesthesia.utoronto.ca for a full list of our faculty members, including biographical information):

- Mount Sinai Hospital
- St. Michael's Hospital
- Sunnybrook Health Sciences Centre
- The Hospital for Sick Children
- University Health Network (includes Toronto General Hospital and Toronto Western Hospital)
- Women's College Hospital

We are proud to have built strong relationships with several community-affiliated hospitals. Our clerks and residents participate in educational programs at these hospitals, at which we have more than 100 part-time faculty members. Our community affiliates include:

- Credit Valley Hospital
- Humber River Regional Hospital
- Lakeridge Health
- Markham-Stouffville Hospital
- North York General Hospital
- Royal Victoria Hospital (Barrie)
- The Scarborough Hospital
- Southlake Regional Health Centre
- St. Joseph's Health Centre (Toronto)
- Toronto East General Hospital
- Trillium Health Centre

Progress: Strategic Plan 2009-2014

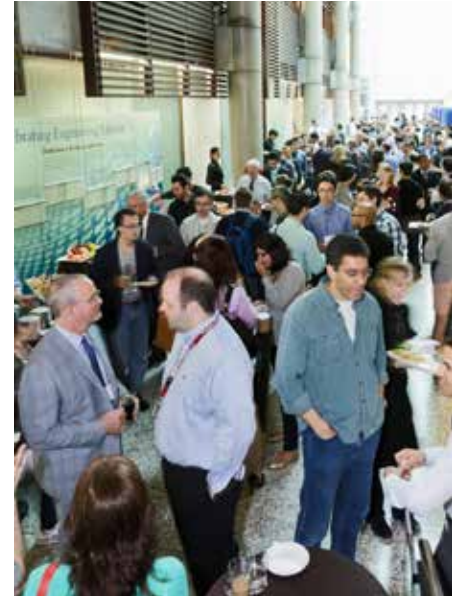
In 2012-2013, the UT Department made further advances with the implementation of the strategic priorities outlined in our Strategic Plan 2009-2014 (www.anesthesia.utoronto.ca/about/strategy.htm). We have made significant progress in all of the priorities, including:

PRIORITY 1: Advancement, Advocacy and Alumni Programs

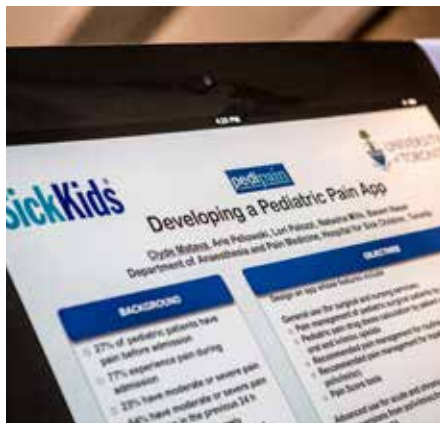
Dr. Stephen Brown, President of the UT Anesthesia Alumni Association and the Alumni Committee (Dr. Doreen Yee, Dr. Charles Knapp, Dr. John Hanlon, Dr. Ann Grise and Dr. Richard Ahn) have been very active. An Alumni Reunion was planned for the Annual General Meeting of the Canadian Anesthesiologists Society in June 2013 in Calgary; however this event and conference was cancelled due to the flood. In order to continue our Alumni engagement we scheduled an additional Alumni Event at the OMA meeting in Niagara Falls in September 2013. We have also begun planning another Alumni Association sponsored event in April 2014 to recognize the long service of faculty members and to celebrate the careers of recent retirees from the UT Department of Anesthesia – we hope all can attend!

The Department of Anesthesia Alumni Association previously developed and implemented an alumni database and email listserve which includes contact information for more than a thousand of our alumnus across Canada. A communications program has been implemented, and our alumni receive information such as our strategic plan, annual report, and invitations to major events and lectures.

In addition, our advancement campaign is underway, through the office of Advancement in the Faculty of Medicine and the Alumni Committee utilized the results of the Alumni Survey to develop strategies to begin implementation of new initiatives.



PRIORITY 2: Academic Productivity – Measurement and Accountability



In 2011 the continued development and implementation of this priority was taken on more broadly by the Faculty of Medicine, through the Office of Research and International Relations and Discovery Commons. Over the last few years the Faculty of Medicine through Discovery Commons have developed, trialed and implemented the WebCV format for faculty CV's. The application of this new CV format came to the Department of Anesthesia in late 2012 and will essentially create an online database to collect data on teaching and research activities including

the metrics to measure performance. The goal has been to develop a streamlined, simplified yet comprehensive report format that can be adopted across all of the hospital sites. On a faculty-wide level all Senior Promotion candidates will need to use WebCV for future promotion applications; fortunately the WebCV system will simplify the generation of reports and tables required during the promotions cycle – we therefore encourage our entire full-time clinical faculty to maintain an up-to-date WebCV.

PRIORITY 3: Facilitating Educators

The goals of this strategic priority are now well underway and continue to be driven forward under the leadership of Dr. David McKnight, Vice Chair Education, and the Education Council – comprised of the

Directors of our education programs and the department Chair.

Dr. Martin van der Vyver, Director of Faculty Development Programs, has

continued with the organization of our annual Faculty Development Day which was held on November 12, 2012 – more than 85 of our faculty and fellows attended this event. Further details on

the event are available in the report from Dr. Martin van der Vyver. The growth and further development of this important event has been a key priority and its continued success has now made Faculty Development Day an essential regular feature of our annual program.

Additional awards to recognize outstanding teaching and faculty development contributions were also created, both in the

university departments and the hospitals. These include the New Faculty Teaching Excellence Award and the award for Best Oral Presentation and People's Choice Awards (Poster and Oral) at the annual Faculty Development Day event.

Small evening workshops have also been organized to help facilitate educators; in February 2013 we held a Senior Promotions Workshop and in May 2013

we held a Career Development Workshop for both junior and senior faculty. We have also been working hard to better integrate our faculty in the affiliated community hospitals into the University of Toronto community. Our Faculty Development Programs have been extended to the community sites. An event was held in September 2012 for our faculty at the Mississauga sites and there was a follow-up event in 2013.

PRIORITY 4: Facilitating Learners – Global Health Issues and Social Responsibility in Anesthesia



In 2012–2013, we continued to concentrate on the development of a global health and social responsibility program in anesthesia. Dr. Greg Silverman is driving

this initiative working closely with Dr. Alison Macarthur to make significant headway in the continued implementation of the Toronto Addis Ababa Academic Collaboration (TAAAC).

The University of Toronto, Department of Anesthesia is responsible for organizing 3 separate month-long teaching missions to Addis Ababa

University (AAU) in Ethiopia. The purpose of these trips is to provide ongoing educational support to the anesthesia

faculty at AAU who are responsible for delivering both undergraduate and postgraduate teaching. This initiative is going a long way toward realizing our objective to “Initiate educational programs to train anesthesiologists and relevant allied health professionals overseas with an aim of establishing self-sustaining educational systems.”

The department also recently introduced a Travel Reimbursement Award to cover airfare and immunisations for fellows or residents who are accepted to participate in this initiative. For further details please contact the UofT Anesthesia office.

PRIORITY 5: Research

The cornerstone of this priority since 2009 has been our competitive, peer-reviewed Merit Awards Program to fund time through the practice plans for our researchers and educators to conduct academic activities. The goal is to facilitate world-class research that has both translational and global impact. Our success in this area is outlined in the report provided by Dr. David Mazer, Vice Chair of Research.

In addition, we also held an Interim Merit Award competition in the spring of 2012 in order to fund new faculty members prior to the next full competition. The recipients of all merit awards are listed in this report and our third biennial competition was held in early 2013 with the new recipients of the awards starting in July, 2013.

In late 2012 we ran our inaugural “UT Anesthesia Clinician-Scientist Transition

Award.” This is a major new award designed to attract outstanding early career Clinician-Scientists to the University of Toronto. This competition (a single award of up to \$50,000 per year tenable up to 3 years) will provide a component of the funding to provide protected time for a prospective faculty Clinician-Scientist. The purpose of the award is to develop a cadre of Academic Clinician Scientists in Anesthesia and to facilitate rapid progression of outstanding fellows and residents on an academic career track.

In 2013 we also effected two major new, competitive, one-time-only competitions, “Multicentre Inter-Hospital Clinical Trials Grant” and “Translational Research Grant.” These competitions were developed in order to provide seed funding for a major clinical trial or translational research program led by full-time faculty members



in our department. The goal of the awards is to support high-impact, world-class research projects that will attract additional, substantial, peer-reviewed operating grant funding.

Recognition Of Excellence: Honours, Awards, Chairs and Promotions

The following University department awards were presented at the 34th Annual Shields Research Day 2013:

- The *Dr. R.J. Byrick Award* recognizes the best fellow's research paper presented at the Annual Shields Research Day: **Husni Alakkad** (Fellow, UHN-Toronto Western Hospital).
- The *Dr. A.C. Bryan Award* is awarded to a graduate student judged to have presented the best research project at the Annual Shields Research Day: **Paul Whissell** (Sunnybrook Health Sciences Centre).
- The *Dr. Hynek Rothbart Award* for the best paper presented by a Resident at the Annual Shields Research Day: **Mark McVey** (Resident, PGY4).
- The *Thomas Donald Hammell Memorial Award in Anesthesia* is awarded in recognition of outstanding contributions to the Residency Program, as chosen by other residents: **Christopher Perkes**.
- The *UT David Bevan Best Shields Day Poster Award*: **Dianshi Wang** (Fellow, Sunnybrook Health Sciences Centre).
- The *Dr. Evelyn Bateman Award* is awarded in recognition of excellence in anesthesia at the undergraduate level: **Eric Siu** (Medical Student – Peters-Boyd Academy).
- The *Award for Clinical Excellence* is awarded by the UT Department of Anesthesia to full or part-time faculty members in the department within each of the fully or partially affiliated hospitals and their respective sites who has been judged by the department's faculty, fellows and residents to be an outstanding clinician within the Anesthesia community: **Simon Abrahamson** (St. Michael's Hospital), **Andrew Roscoe** (Toronto General Hospital), **Ivor Fleming** (Mount Sinai Hospital), **Ricky Brull** (Women's College Hospital), **Glenn Mcguire** (Toronto Western Hospital), **Bruce Macpherson** (The Hospital for Sick Children), **Vicky McCarthy** (St. Joseph's Health Centre).

The following University department teaching awards were also bestowed in 2012-2013:

- The *Dr. John Desmond Award* recognizes excellence in clinical teaching of undergraduate students: **Dr. Anita Sarmah** (Sunnybrook Health Sciences Centre).
- The *Dr. Gerald Edelist Award* is awarded to a faculty member in recognition of excellence as a clinical teacher of residents in anesthesia: **Dr. Sophia Wong** (Sunnybrook Health Sciences Centre).
- The *Dr. David Fear Award* is awarded for outstanding contributions to continuing medical education and continuing professional development in the Department of Anesthesia: **Dr. Jose Carvalho** (Mount Sinai Hospital).
- The Interprofessional Teaching Award recognizes outstanding teaching both within and outside of the anesthesia community: **Dr. Ki Jinn Chin** (Toronto Western Hospital).
- The winners of the Laws Travel Fellowship 2013 were: **Dr. Zoe Unger** and **Dr. Azad Mashari**.
- Tuition awards for our residents and fellows – to fund graduate level education programs – were also presented to: **Drs. Tina Kerelska, James Khan, Teresa Skelton, Sheldon Lyn**.

Congratulations to UT Anesthesia Department members on their success at the Canadian Anesthesiologists' Society Annual Meeting:

- **Dr. Andrew Baker** – 2013 CAS Research Recognition Award. The CAS Research Recognition Award honours a senior investigator who has sustained major contributions in anesthesia research in Canada.
- **Dr. Deven Chandra** – 2013 John Bradley Young Educator Award. This Award is named in memory of one of our beloved and exceptional former colleagues and is awarded for excellence and effectiveness in education in anesthesia.
- **Dr. Mrinalini Balki** - CAS Career Scientist Award in Anesthesia. – Dr. R. A. Gordon Research Award.
- **Dr. Hance Clarke** – Baxter Corporation Canadian Research Award in Anesthesia.
- **Dr. Jason Maynes** – Canadian Anesthesiologists' Society Research Award.
- **Dr. Jose Carvalho** and colleagues (M. Khan, M. Balki, I. Ahmed, D. Farine, G. Seaward) for winning first prize in the CAS Richard Knill Competition for their presentation entitled "Carbetocin at elective cesarean delivery: a randomized controlled trial to determine the effective dose, part 3-final."

Best Paper Winners:

- Award for Best Paper in Ambulatory Anesthesia: **Dr. Waleed Riad Soliman**, Abstract Title: Propofol induction: Bis vs lean body weight for morbid obese.
- Award for Best Paper in Neuroanesthesia: **Dr. Jigesh Mehta**, Abstract Title: Cerebrovascular CO2 Reactivity Under Propofol: A Systematic Review.
- Award for Best Paper in Obstetric Anesthesia: **Dr. Nhathien Nguyen-Lu**, Abstract Title: Controversies Between Anesthesiologists and Obstetricians On The Labor Ward: A Delphi Technique-Based Consensus.

Global Health Leadership:

Congratulations to members of the Department of Anesthesia on their graduation in the 2013 class of the U of T Global Health Education Initiative. Four of the group completing the course were trainees in anesthesia:

David Goodick (PGY2)

Clara Ho (PGY2)

Jason McVicar (Fellow TWH)

Jane Wang (PGY3)

This is a significant achievement as the course requires extensive commitment by the participants outside of their clinical duties.



Departmental Merit Awards: 2011-2013 Cycle

The following individuals have received competitive peer-reviewed merit awards through the UT Department of Anesthesia for the period covered in this report.

Research Merit Awards:

Recipient	Hospital	Project Title	Award Value/Annum
Duminda Wijeyesundera*	UHN-Toronto General Hospital	Evaluating preoperative anesthesia care in Ontario at a population-based level	\$80,000
Mrinalini Balki	UHN - Mount Sinai Hospital	Optimizing human myometrial contractility using a combination of uterotonic agents	\$40,000
Eric You-Ten	UHN - Mount Sinai Hospital	Simulation-Based Training on Effective Performance In In-Situ Simulation (STEPS)	\$40,000
David Mazer	St. Michael's Hospital	Improving Outcomes in Cardiac Surgery: Strategies to reduce tissue hypoxia	\$40,000
Gregory Hare	St. Michael's Hospital	Adaptive cellular mechanisms to maintain oxygen homeostasis and promote survival during anemia	\$40,000
Julia Voigtlaender-Bolz	St. Michael's Hospital	Personalized Microvascular Medicine	\$40,000
Andrew Baker	St. Michael's Hospital	The role of endothelial progenitor cells in brain injury repair	\$40,000
Andrea Rigamonti	St. Michael's Hospital	Improving Outcomes in Neurosurgical and Neurocritical Patients	\$40,000
Brian Cuthbertson	Sunnybrook Health Sciences Centre	Measurement of Exercise Tolerance before Surgery (METS) Study: A Multicentre Prospective Study	\$40,000
Colin McCartney	Sunnybrook Health Sciences Centre	Is there any benefit to adding continuous femoral block to local infiltration analgesia for TKA?	\$40,000
Elod Szabo	The Hospital for Sick Children	Mechanism of voltage-gated Na channel-related cardiomyopathy	\$40,000
Gail Wong	The Hospital for Sick Children	L-carnitine in the prevention and treatment of bupivacaine cardiotoxicity in rats	\$40,000
Keyvan Karkouti	Toronto General Hospital	Advance Targeted Transfusion in Anemic Cardiac Surgical Patients for Kidney Protection	\$40,000
Marcin Wasowicz	Toronto General Hospital	Expanding an anesthesiologist's role beyond an operating room	\$40,000
Joseph Fisher	Toronto General Hospital	Translation of new non-invasive monitoring techniques from the bench to the bedside	\$40,000
Scott Beattie	Toronto General Hospital	Clinical decision support reduces serious intra operative hypotension	\$40,000
George Djaiani	Toronto General Hospital	Reducing Delirium After Trans-Apical Aortic Valve Implantation: A Multifaceted Approach Of Periopera	\$40,000
Hance Clarke	Toronto General Hospital	Phenomics & Genomics of Clinically Relevant Chronic Postsurgical Pain: Multicentre Prospective Study	\$40,000
Anahi Perlas	Toronto Western Hospital	Bedside Ultrasound Assessment of Gastric Volume. Validating a mathematical model using gastroscopy	\$40,000
Richard Brull	Toronto Western Hospital	Effect of General vs Regional Anesthesia on Sleep Disordered Breathing in Obstructive Sleep Apnea	\$40,000
Jean Wong	Toronto Western Hospital	Genetic basis of interindividual differences in acute postoperative pain	\$40,000
Pam Morgan	Women's College Hospital	1. Paravertebral Blocks for Breast Cancer Surgery 2. Quality of recovery Following TRAM flap surgery	\$40,000

*award period 2009-14

Education and CPA Merit Awards:

Recipient	Hospital	Project Title	Award Value/Annum
Megan Hayter	St. Michael's Hospital	Simulation Based Inter-Professional Health Care Education: The Effect of Mental Practice	\$40,000
Katherine Taylor	The Hospital for Sick Children	Clarity in Critical Moments- Audio Recorded Resuscitation	\$40,000
Greg Silverman	Mount Sinai Hospital	Anesthesia and Global Health: A Curriculum for Anesthesia in Austere Environments	\$20,000
Zeev Friedman	Mount Sinai Hospital	Challenging Authority in a Crisis Situation: A multi-centre simulation study assessing residents' ability	\$20,000
Eric You-Ten	Mount Sinai Hospital	Development and Integration of An Airway Education Module in the Anesthesia Residency Program	\$20,000
Gail Wong	The Hospital for Sick Children	Development of a national Fellowship Curriculum in Paediatric Anesthesia	\$20,000
Ludwik Fedorko	UHN- Toronto General Hospital	Automated process for controlled substance reconciliation and early detection of narcotic diversion	\$20,000
Sheila Riaz	UHN-Toronto Western Hospital	Advancing the knowledge and understanding of Malignant Hyperthermia (MH)	\$20,000
Ki Jinn Chin	UHN-Toronto Western Hospital	Can novices effectively use ultrasound to facilitate the performance of spinal anesthesia?	\$20,000

New Investigators Merit Awards: 2012-2013

During the spring of 2012, the university department ran a special, one-time-only competition to fund the research activities of our new faculty investigators (defined as a full-time UT academic appointed after February 28, 2011). The recipients of these awards include:

Recipient	Hospital	Project Title	Award Value/ Annum
Stephen Choi	Sunnybrook Health Sciences Centre	Optimizing Pain and Rehabilitation after Knee Arthroplasty (OPRA) – a multicenter randomized trial	\$20,000
John Laffey	St. Michael's Hospital	Optimising the therapeutic potential of human Mesenchymal Stem Cells for Ventilator Induced Lung Injury	\$40,000
Clyde Matava	The Hospital for Sick Children	Developing and Validating Anesthesia Clerkship Blended e-Learning Modules	\$20,000
Jason Maynes	The Hospital for Sick Children	Adverse Mitochondrial Effects of Anaesthetic Agents	\$40,000

Anesthesia Clinician-Scientist Transition Awards: 2012-2013

In December 2012 we ran our inaugural "UT Anesthesia Clinician-Scientist Transition Award", this is a major new award designed to attract outstanding early career Clinician-Scientists to the University of Toronto. The purpose of the award is to develop a cadre of Academic Clinician Scientists in Anesthesia and to facilitate rapid progression of outstanding fellows and residents on an academic career track.

The recipients of these awards were:

Recipient	Hospital	Project Title	Award Value/ Annum
Gerard Curley	St. Michael's Hospital	Mesenchymal Stem/Stromal Cell fate and function in ARDS and Sepsis	\$50,000
Sinziana Avramescu*	Sunnybrook Health Sciences Centre	Preventing post-anesthetic memory deficits	\$50,000

*will commence following faculty appointment in 2014

Additional Awards and Honours

Finally, we are pleased to report the following honours and awards, received by our faculty members in 2012–2013:

Simon Abrahamson

- Innovation Award, University of Toronto. (Research Award) A study to compare simulation versus seminar based US training in Critical Care (Simfocus Study), 2012

Stephen Choi

- University of Toronto, Department of Anesthesia 2012 Interim Merit Award Competition for New Faculty, July 2012
- Outstanding Junior Faculty award, Department of Anesthesia, Sunnybrook Health Sciences Centre, December 2012

Mark Crawford

- The Curtis Joseph and Harold Groves Chair in Anesthesia and Pain Medicine

Gerard Curley

- Mentored Research Award, International Anesthesia Research Society (Research Award), 2013
- Best Paper Award, Royal Academy of Medicine in Ireland (Distinction), 2012
- Delaney Medal Research Competition Winner, College of Anaesthetists of Ireland (Research Award), 2012
- Costello/O'Beirne Medal, Western Anaesthesia Symposium (Distinction)
- Clinician Scientist Transition Award, University of Toronto (Distinction), 2013

Tobias Everett

- Robert Creighton Award for Excellence in Clinical Teaching, Dept of Anesthesia, Faculty of Medicine, The Hospital for Sick Children, Toronto, Ontario, Canada (Postgraduate MD, Core Program). Awarded by consensus of anesthesia residents

John Hanlon

- Top Abstracts in Targeted Drug Delivery, Annual Meeting, North American Neuromodulation Association (NANS), Las Vegas, Nevada (Distinction), 2012
- Humanitarian Service Award, Staff Physician, St Michael's Hospital Foundation (Distinction), 2013

Gregory Hare

- Co-Director, Centre of Excellence for Patient Blood Management and Hemostasis, St. Michael's Hospital, (Distinction), 2012–2013

Helen Holtby

- Award for Excellence in Clinical Teaching, Dept of Anesthesia, Faculty of Medicine, The Hospital for Sick Children (Postgraduate MD)

Patricia Houston

- Award of Merit for IPE, Centre for Interprofessional Education, University of Toronto (Distinction), 2012–13
- The FitzGerald Academy Friends of the Academy Award, The FitzGerald Academy, Faculty of Medicine, University of Toronto (Distinction), 2013

Mark Levine

- Postgraduate Teaching Award, Dept of Anesthesia, Faculty of Medicine, Hospital for Sick Children, Toronto, Ontario, Canada (Postgraduate MD, Residents and Clinical Fellow, Specialty: Anesthesia)

Suzanne Lilker

- Clerkship teaching award as chosen by the students of the FitzGerald Academy, 2012–13

Clyde Matava

- Best Poster Presentation, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada, November 2012
- New Faculty Teaching Excellence Award, Dept of Anesthesia, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada

David McKnight

- Dr. William Marsden Award in Medical Ethics, Canadian Medical Association (Distinction), 2013

Colin McCartney

- Winner of British Medical Association Medical Book Award in Anaesthesia and Critical Care Category for Principles and Practice of Regional Anaesthesia, 4th Edition, Oxford University Press

Beverly Morningstar

- Health Records and Communications (HRC) Committee

Elaine Ng

- Dr. Robert Creighton Teaching Award, Dept of Anesthesia, Faculty of Medicine, University of Toronto (Postgraduate MD)

Beverley Orser

- Chair, External Advisory Board, Frontiers in Anesthesia Award for the International Anesthesia Research Society
- James E. Eckenhoff Lecturer, 16th Annual, Perelman School of Medicine, University of Pennsylvania, PA, USA
- 25th C.R. Stephen Lecturer, Washington University in St. Louis, School of Medicine, St. Louis MO, USA
- 2013 Plenary Address, Association of University Anesthesiologists (AUA), Miami, FL, USA

Lawrence Roy

- Chair, Quality Management Council, Toronto, Ontario, Canada

Elod Szabo

- Excellence in Fellowship Teaching, Dept of Anesthesia, Faculty of Medicine, The Hospital for Sick Children (Postgraduate MD, Clinical Fellow, Specialty: Pediatric Anesthesia)

Jordan Tarshis

- Chair, Canadian Simulation Interest Group

Jeff Wasserman

- W. T. Aikins Award for Excellence in Undergraduate Teaching - Individual Teaching Performance (Large Group). These awards are the Faculty's most prestigious awards for sustained commitment to and excellence in undergraduate teaching. Award winners are selected from nominees in a Faculty-wide process that requires support from both faculty and students.

Faculty Promotions and Recognition

Academic Promotions: July 2012 - June 2013

We are very pleased to announce the following academic promotions, effective July 1, 2012:

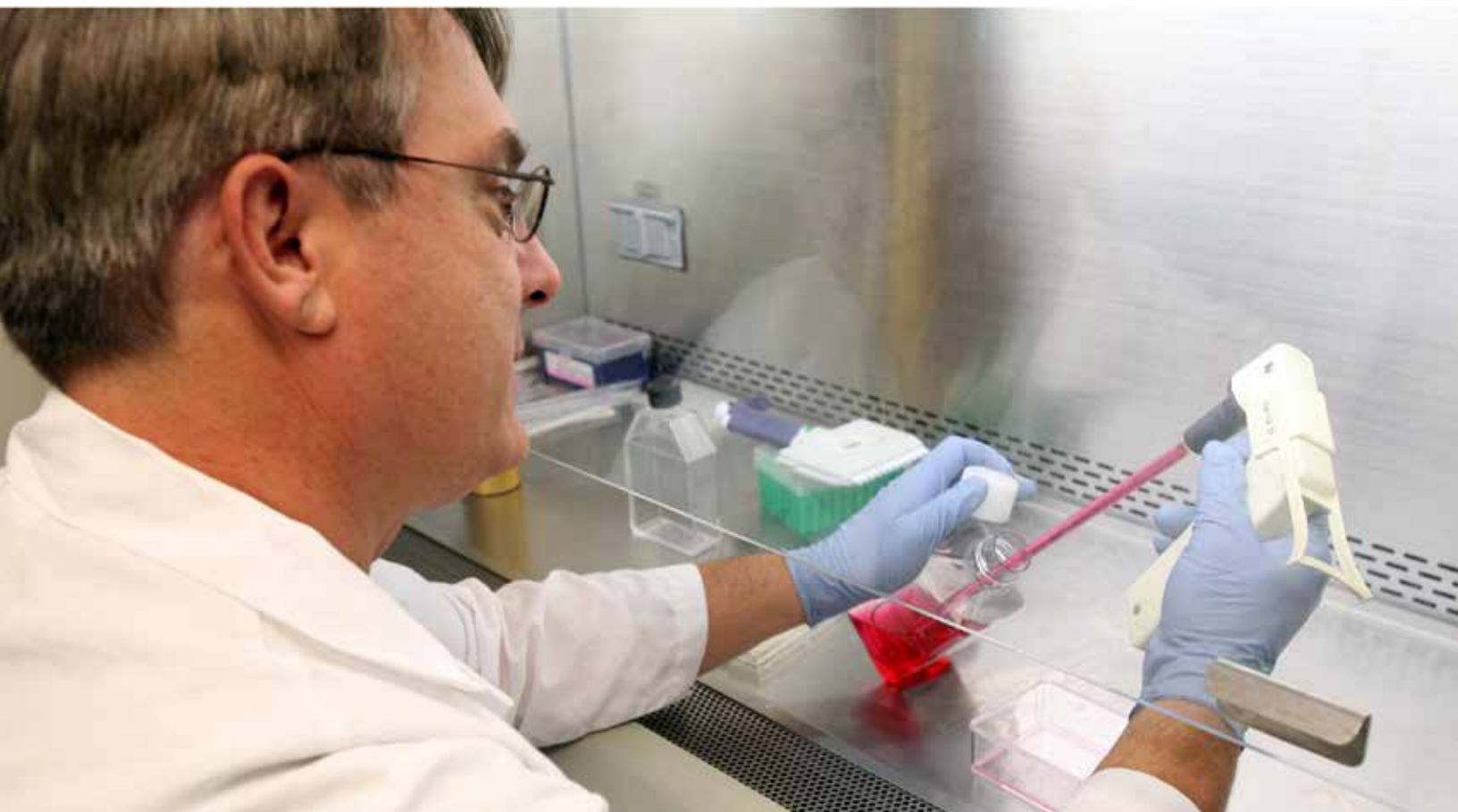
To the rank of Associate Professor:

- **Dr. Richard Bowry** – St Michael's Hospital (currently, North York General)
- **Dr. Cengiz Karsli** – Hospital for Sick Children
- **Dr. Ki Jinn Chin** – UHN-Toronto Western Hospital
- **Dr. Marcin Wasowicz** – UHN-Toronto General Hospital
- **Dr. Massimiliano Meineri** – UHN-Toronto General Hospital

We are also pleased to announce the following Junior Academic Promotions, effective as noted:

To the rank of Assistant Professor:

- **Dr. Stephen Choi** – Sunnybrook Health Sciences Centre (February 1, 2013)
- **Dr. Mabel Choi** – Sunnybrook Health Sciences Centre (April 1, 2013)
- **Dr. Hance Clarke** – UHN-Toronto General Hospital (June 1, 2013)
- **Dr. Kathleen Dattilo** – UHN-Toronto General Hospital (June 1, 2013)



Enhancing Clinical Practice

Report from Dr. Gerald O'Leary, Vice Chair, Clinical Practice

Our role is to keep our patients safe when they put their lives in our hands

Two sentinel events stand out from my childhood; the Apollo 11 lunar landing and JFK's assassination. Each in their own way impact my view of clinical anesthesia.

The Apollo 11 mission was remarkable on numerous levels with lessons that still apply to anesthesia. Checklists have thankfully become engrained into our practice whether for checking our anesthesia delivery units/machines (ADUs) or patients prior to start of anesthesia. These are often compared to the cockpit check lists which have been in place in aviation for over 50 years. I find it noteworthy that while the computing power on Apollo 11 was rudimentary at best (RAM 2k, ROM 32k) and is exceeded now by most dishwashers, simplicity has advantages. When a malfunction switch resulted in the Apollo 14 computer receiving recurring abort signals, NASA engineers devised a patch upgrade that the astronauts keyed in manually which fixed the problem in about 90 mins. I have spent this long just waiting on the help line or trying to resolve an issue intra operatively with our anesthesia delivery units which continue to become increasingly sophisticated to assist with complex care delivery.

However, simplicity and checklists do not exclude errors. Most of us have experienced the frustration of seeing

error messages while unsuccessfully programming "simple" IV infusion pumps, whether it is because of lack of familiarity on our part or the poor interactive display functionality of the pump. Five minutes into the descent burn the Apollo 11 lunar module Eagle's navigation computer displayed 1202 and 1201 program alarms indicating information overload. Certainly this was a suboptimal time to not know where you are or where you are going. The cause was later identified to an error in the checklist sequence. The computer tried to perform all the functions of landing while receiving additional spurious information. Fortunately it was programmed to reboot in such a situation and then displayed only the mandatory information required for landing, which obviously occurred albeit 4 miles off target. When adverse events occur in the OR, I find it challenging to maintain a focus to the task at hand and avoid the extremes of overload with the distraction of cacophony of sounds or equally the isolation of tunnel vision. Our ongoing training remains the basis for our personal crisis management reboot program.

Every Irish person knew Michael Collins (as he has a famous namesake in Irish history) was the remaining 3rd astronaut in the command module Columbia circling the moon while Armstrong and Aldrin performed the first moon walk. It was not until many years later that I read that his greatest fear was that the Eagle's engine would not fire and that he would return to earth alone. Neil Armstrong later reported that he felt the odds of the engine's firing and successful docking with Columbia



was 50:50. We all have clinical moments where we feel very alone but ours pale in comparison to Michael Collins circling the moon alone 250,000 miles from the earth.

This year marks the 50th anniversary of JFK's assassination and the conspiracy theories continue unabated. My interest lies in why he deliberately put himself in harm's way traveling in an open car at a time and in a place that he knew he was at risk of assassination. I assume it was to maintain the artificial projection of youthful invulnerability. Fortunately ego has no place in anesthesia. Our role is to keep our patients safe when they put their lives in our hands. Which is why I would like my anesthesiologist to be able to make the best decision and also to be more risk adverse than my accountant.

Clinical Statistics: Fully Affiliated Hospitals

For the period: July 1, 2012 to June 30, 2013

	TGH	TWH	Mount Sinai	Women's College	Sunnybrook	St. Michael's	Hospital For Sick Children	Total - All Sites
General Anesthetics:	7707	6259	9898	3153	12075	17517	11579	68188
Regional Anesthetics:	862	3217	14219	1	2310	2061 ^D	48	22718
Deliveries:	n/a	n/a	7229	n/a ^B	4037	2150	n/a	13416
Epidurals/spinals:	-- ^A	-- ^A	-- ^A	1	1374	1167 ^C	223	2765
Caesarian sections:	n/a	n/a	2535	n/a ^C	1437	806	n/a	4778
Caesarian section rate:	n/a	n/a	35%	n/a ^A	36%	27.3%	n/a	32.8%
Pain clinic cases:	n/a	611	n/a	1154	1600	3856	756	7977
Acute pain service:	4583	2416	2450	n/a	4795	4291	909	19444
ICU beds:	53	20	16	0	53	69	38	249

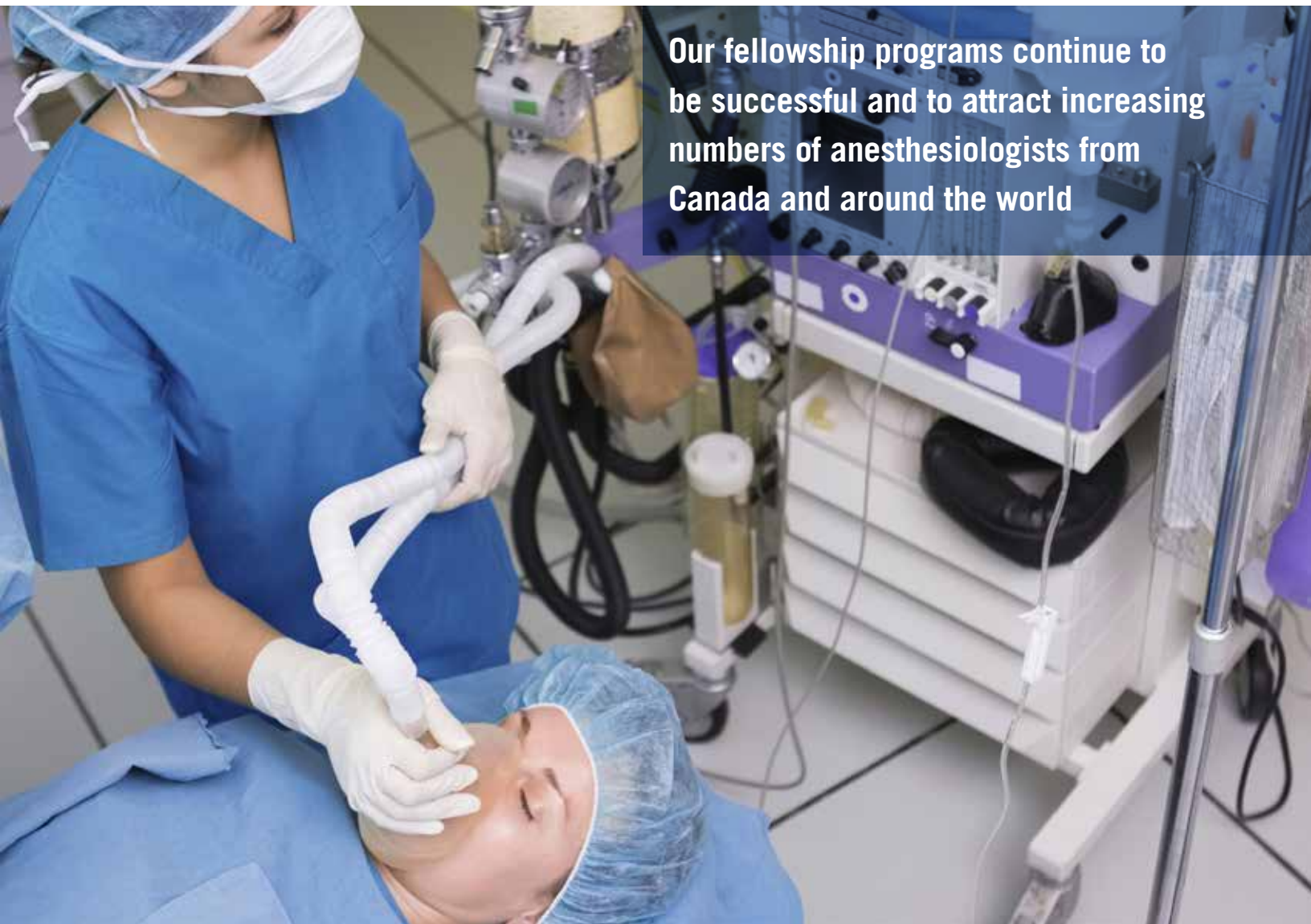
Note:

^A TGH, TWH and MSH Regional Anesthetics numbers include Epidurals/spinals

^B Women's College obstetrical cases (deliveries) are performed at Sunnybrook Health Sciences Centre

^C SMH Epidural/Spinal – number refers to epidural/spinals performed in regional anaesthesia room and excludes obstetric epidural/spinals and those performed in the OR

^D SMH Regional Anesthesia number does not include Epidural/Spinal (reported separately)



Our fellowship programs continue to be successful and to attract increasing numbers of anesthesiologists from Canada and around the world

Anesthesia Education At The University Of Toronto

Report from Dr. David McKnight, Vice Chair, Education

**The University of Toronto
Department of Anesthesia
continues to be a leader in
anesthesia education**

Once again, I am proud to introduce the Education section of the annual report. As I point out every year, we are a very large university department with over 360 faculty members at fourteen hospital sites. We are involved in teaching medical students, anesthesia residents and fellows, and a large number of graduate students in MSc and PhD programs. We have active continuing education for physicians in practice and a growing faculty development program. Our members are active in research and innovation in education. All of this is inspired and rewarded by the intelligence and enthusiasm of our learners at all levels.

The undergraduate anesthesia education program, led by Dr. Isabel Devito, continues to be a leader in curricular innovation. The move to e-modules for the anesthesia seminars will introduce easier access and flexibility for our dispersed students as we take greater advantage of community sites. We have also built a greater engagement in the pre-clerkship curriculum through leadership and collaboration in the integrated ultrasound teaching in the Structure and Function course in first year.

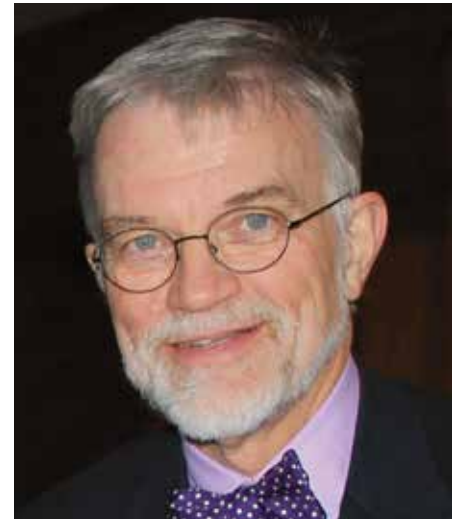
Dr. Mark Levine's report notes the praise our residency program received from the Royal College surveyors during our accreditation in April 2013. He is also modest — the report identifies Dr. Levine himself as a strength of the program, an observation strongly endorsed by the residents (and me). We are also very proud of the academic achievements of our residents as seen in the number of publications and graduate degrees and in the success of *all* of the final year residents at the certification examinations.

Our fellowship programs continue to be successful and to attract increasing numbers of anesthesiologists from Canada and around the world. While fellowships are based in the clinical institutions, the central program organized by Dr. Doreen Yee has enriched the learning environment for these senior learners.

The continuing education offerings of the Department, led by the CME committee chaired by Dr. Peter Slinger, have had another very ambitious year with ten excellent, well attended programs.

Faculty Development Day had a focus on physician wellness as well as teaching and mentoring skills. Dr. Martin van der Vyver's committee also organized two successful workshops for faculty members.

The University of Toronto Department of Anesthesia continues to be a leader in anesthesia education. This is due to the excellence and hard work of the many people you will read about in this report and many, many more. I extend my congratulations to them on their achievements and my acknowledgement and gratitude for their hard work.





The undergraduate anesthesia education program, continues to be a leader in curricular innovation

Undergraduate Education Programs

Report from Dr. Isabella Devito, Director, Undergraduate Education Program

We thank our faculty for continuing to be positive role models for our students

During the 2012-13 academic year the undergraduate program continued its focus towards e-learning, innovation and the integration of the Mississauga Academy of Medicine into its teaching programs.

During this year there was a tremendous growth in the number of sites involved in teaching our core third year medical students. Following the Future of Medical Education recommendations stressing the importance of the learning context, we expanded our core clerkship to the community. Our sites now include five community sites (North York, Toronto East General, St. Joseph's Health Centre, Scarborough General and Scarborough Birchmount), two Mississauga Academy of Medicine sites (Credit Valley and Mississauga Hospital) and our six downtown academic hospitals, for a total of thirteen sites. This has created a challenge in delivering the core curriculum to our students in the community. To ensure that these students received the same educational experience we provided videoconferencing, however we often encountered technical issues. To remedy this, we began the process of converting our seminars to e-modules, following the Future of Medical Education recommendation to increase the use of technology.

Under the leadership of Dr. Clyde Matava, with the assistance of Gary Cronin, we converted our seminars to interactive e-modules. However we recognized that the e-module format was not sufficient to ideally deliver our curriculum content. As students still required face time with our faculty, we designed a "flipped classroom," one where the learning would occur outside the classroom (e-modules) with the assimilation of knowledge provided by an

exit simulation experience and case based learning (CBL). Dr. Anita Sarmah and her simulation team at Sunnybrook developed a half day exit simulation experience, providing pre-operative, intra-operative and post-operative experiences. Four cases (CBL) were developed to review the objectives of the e-modules following the simulation experience. The e-modules, exit simulation, and case based learning are projected to commence the 2013-14 academic year.

A new component to our Simulation Day was introduced this academic year. A new station introducing point of care ultrasound (PoCUS) training to image the inferior vena cava (IVC) to assess fluid responsiveness was developed by Dr. Anita Sarmah and Dr. Catherine Nix. This station is highly evaluated by our students, and was accepted for presentation at the Association of Medical Education in Europe (AMEE).

The Department of Anesthesia through the leadership of Dr. Catherine Nix, initiated a pilot project in collaboration with Dr. Michael Wiley (Department of Anatomy) to teach first year medical students anatomy through the use of ultrasound during their Structure and Function course. The pilot project was extremely successful. As a result of this work and the success of the Anesthesia Simulation Day IVC ultrasound station, it was decided to pursue the idea of integrating ultrasound teaching into the undergraduate curriculum. This led to the formation of a multidisciplinary Undergraduate Ultrasound Committee (UGUS) with a mandate to develop an integrated longitudinal ultrasound curriculum encompassing all four years of medical school.

Both Credit Valley Hospital and Mississauga Hospital have doubled their capacity for clerkship students, in anticipation of the first clerkship at the Mississauga Academy of Medicine in 2013-14. Faculty Development sessions were held throughout the year.

Our electives, under the leadership of Dr.



Clyde Matava, continue to be popular with local, national and international elective students. As well, we continue to offer many selectives for the Transition to Residency program at all our downtown hospitals as well as at North York Hospital.

Our third annual curriculum retreat was held in June 2013 with a focus on preparing for the new curriculum changes in 2013-14. Dr. Martin Schreiber was invited to speak on integration in the medical school curriculum and anesthesia involvement throughout the curriculum. At our retreat, we recognized a need for a committee member to coordinate our new exam format involving multiple choice questions (MCQ), key feature questions, and short answer questions. Dr. Carol Loffelmann will serve as our MCQ lead and will continue to educate our faculty on proper format of MCQs reflecting the Medical Council of Canada (MCC) exam format.

Our faculty continue to be involved at all levels. Many faculty are involved in selection of the new medical school class through file reviews and the interview process. We continue to have a strong presence in the Pre-Clerkship with involvement in ASCM I and II, DOCH II, Brain and Behavior and MMD (Mechanisms, Manifestations and Management of Disease). We continue to

head the Trauma week in MMMD under the leadership of Dr. Jeff Wassermann. For his exceptional teaching in the large group setting, Dr. Wassermann received an Aikens award in the category of large group teaching. He is the first Anesthesiologist at the University of Toronto to have been awarded this very prestigious award.

Our Anesthesia Interest Group (AIG), under the leadership of Dr. Diana Tamir, continues to be extremely popular. As with other years, an airway workshop was held as well as our annual Student Information Night. Many of our residents were involved in the planning and facilitation of these

events. As with past years, interest surpassed available spots for our workshops.

There will be many challenges in the upcoming 2013-14 academic year. The first formal anesthesia clerkship will occur at the Mississauga Academy of Medicine site. While many clerkship rotations are struggling to provide the clerkship experience at Mississauga, we have been anticipating this and have gradually doubled our numbers. We will be able to fill our quota due to forward planning and the dedication of both Credit Valley and Mississauga Hospital faculty.

Our final challenge will be the preparation and implementation of our flipped classroom for 2013-14.

Despite our many challenges, our strength continues to be our dedicated faculty. Without the positive experience that students receive on a daily basis, the best planned student experience could not be a success. We thank our faculty for continuing to be positive role models for our students.



Postgraduate Education Programs

Report from Dr. Mark Levine, Director, Postgraduate Education Program

Our specialty has maintained its popularity amongst medical students and we have been able to attract many outstanding applicants to our program

The 2012-13 academic year was a particularly successful one for a variety of reasons. Two of the most notable were a successful Royal College Accreditation visit and the pass rate at the Royal College Examinations in June, 2013. In April 2013, most postgraduate programs at the University of Toronto underwent reviews as part of the six year Accreditation cycle of the Royal College of Physicians and Surgeons of Canada. Our program was reviewed over a two day period and we were able to highlight many of the merits of our program in the documentation and in the meetings with residents and many members of the teaching community (who represented a variety of stakeholders and subspecialty areas). Some of the strengths identified by the reviewer included a very involved and supportive Residency Program Committee and the large patient volume and excellent committed faculty. The Program received full approval with a regular review in six years.

In the spring of 2013, the 18 final year residents were all successful at the Royal College Examinations and many have remained on as fellows or faculty members at our teaching sites. Our specialty has maintained its popularity amongst medical students and we have been able to attract

many outstanding applicants to our program. We welcomed three residents in transfer from other programs in addition to the 18 new PGY1 residents who joined the program in July 2012.

A Postgraduate Education retreat was held in November, 2012. Three themes were addressed: 1) Review of the in-training evaluation forms, 2) revision of rotation schedules for the PGY1 and Medicine/ICU years and 3) a review of the content and timing of the Medicine/ICU rotations. A number of changes have been instituted as a result of this retreat.

This academic year was very fruitful in terms of research and academic productivity. Nine of our residents presented papers at the Annual Shields Research Day and two were award recipients: Dr. Mark McVey received the Hynek Rothbart award for the Best Resident Research Presentation and Dr. Chris Perkes was presented with the Thomas Donald Hammell award for the senior resident who is considered by his/her peers to have made the greatest contribution to the program. In addition Drs Fahad Alam and Zoe Unger successfully completed Masters in Education programs. Dr. Alam also received a 2012 PSI Resident Research



Award for his paper entitled: "Using mental practice and modeling to enhance clinical learning experiences in medical education harnessing novel podcasting technology." Dr. David Orlov received the Daniel Massik MHAUS Anesthesiology Resident's Award which enabled him to present his research at the American Society of Anesthesiologists annual meeting. Our residents have also assumed leadership roles on our local and national specialty organizations and PARO.

Residents 2012-2013

PGY5

Avramescu, Sinziana	Gamez, Ryan	Liu, Peter	Puopolo, Laura
Desai, Minal	Ibrahim, Hesham	Mashari, Azad	Singer, Oskar
Evangelista, Raymond	Ladha, Alim	Mocon, Aaron	Sivananthan, Praveena
Fader, Michael	Lam, Mandy	Perkes, Christopher	Skelton, Teresa
Farsi, Sara	Lee, Sang	Pillo, Lisa	

PGY4

Alam, Fahad (CIP)	Kerelska, Tina	McVey, Mark (CIP)	Waldman, Kyle
Chau, Edmond	Khemani, Ekta	Mottiar, Miriam	Yeung, Alex
Flamer, David	Koval, Joseph	Orlov, David	
Henry, Paul	Krishna, Arjun	Tylee, Michael	
Hurlburt, Lindsay	Le, Nam	Unger, Zoe	

PGY3

Abrishami, Amir	Ho, Clara	Mikhael, Rafeek	Cindy Ruiqing
Al-Mousawy, Zolfakar	Ho, Melissa Wei-Yee	Mu, Alex	Wang, Jane Jing
Au, Samuel Fook Hang	Jhajj, Prabhjote Singh	Runkle, Bryn Tyrson	Wong, Simon Wai Lun
Bechamp, Robert	Lorello, Gianni (CIP)	Song, Yuning	Woloszyk, Michael
Bourgeois, Andre	Leshchyshyn, Eugene	Srikandarajah, Sandjho Wang	Zhou, Taylor

PGY2

Baig, Ehtesham	Fraser, Tyler	Moenalsadat, Mahsa	Talab, Hesham
Benson, Garrett	Gleicher, Yehoshua	Noyahr, Lori-Anne	Thakrar, Dipen
Brown Russell	Goldenberg, Neil (CIP)	Peacock, Sharon	Yau, Brian
Chbat, Tarek	Goodick, David	Silva, Marcos	
Cummings, Theresa	Huang, Alexander	Steinberg, Benjamin (CIP)	
Farlinger, Chris	Khan, James	Sutherland, Ainsley	

PGY1

Dinsmore, Michael	Law, Tyler	Petre, Maria-Alexandra	White, Alexander
Duncan, Dallas (CIP)	Lee, Kenneth	Raphael, Michael	Wiegelmann, Julian
Knight, Jeffrey	Levin, David	Suen, Alexander	Yu, Savio (CIP)
Koziak, Adrian	Li Melinda	Valeeva, Liliya	
Lam, Karen	Nkemngu, Njinkeng	Van Haaften, Timothy	

(CIP) – Clinical Investigator Program

Fellowship Programs

Report from Dr. Doreen Yee, Director, Fellowship Programs

We hope our fellows make connections which extend well beyond their fellowship time

The fellowship program continues to receive numerous applications from both Canadian and international applicants. Subspecialty training continues to be the most popular, with Regional and Cardiac Anesthesia Fellowships filling up sometimes more than 18 months in advance. Pediatric and Obstetrical Anesthesia programs are also fully subscribed annually. In the last year, there has been a noticeable increase in the number of Canadian IMG fellowship applicants; these are Canadians who trained in medical schools (and residency) abroad, and are now returning to Canada to acquire their Canadian certification. As a result, more fellows are looking to sit the Royal College exams.

Most of the fellowship positions come with 20% academic time, although some sites have difficulties in ensuring the fellows receive this time on a regular basis. Despite this challenge, fellows' research activities continue to be productive, as evidenced by the fact that almost a third of the Shields Day presentations were by fellows, and more than half of the posters showcased were a result of fellows' work. The

following people won awards at Shields Day: Dr. Husni Alakkad won the Dr. R. J. Byrick award for the best paper presented, and Dr. Sheldon Lyn won a Laws Travel award. Two fellows, Drs. Waleed Soliman and Nhathien Nguyen-Lu also won awards for Best Papers in Ambulatory Anesthesia and Obstetrical Anesthesia respectively at the annual CAS meeting (The one that did not actually happen because of the flood in Calgary). A number of articles in peer-reviewed journals with fellows as the lead author are also produced each year.

The Professor's Rounds continue and eight lectures were delivered this academic year by our own faculty on their areas of expertise. This year, we started taping the lectures for webcasts, which were archived. Fellows could then access the talk later on the Internet if they were unable to attend. Under the initiative of Dr. Alexandra Beckingsale, an Education fellow from St. Michael's Hospital, the Education and Simulation fellows from around the city organized their own Journal club (and invited their staff!). As well, Regional Anesthesia fellows from Sunnybrook and Toronto Western Hospitals also met for similar purposes at the Holland Centre. The success rate amongst Cardiac Anesthesia fellows who took the TEE exam was once again 100%. Much effort and hard work has been put in by both staff and fellows to achieve this.



The fourth annual holiday dinner for all the fellows that takes place after the Mendelson Lecture was a huge success this year, with over 50 people attending. We hope to continue this tradition where all fellows can socialize and make connections that extend well beyond their fellowship time.

It is satisfying to see that a number of our graduates from the Fellowship Program go on to consultant positions, some at our own university, and others at other academic centres in Canada and around the world.

Professors' Rounds For Fellows 2012-2013

Date	Topic	Speaker
September 25	Review of Transfusion Practices in the Last Decade: How and Why Have We Changed?	Dr. Keyvan Karkouti
October 29	Extubation of the Difficult Airway	Dr. Richard Cooper
November 23	Patient Safety and the Regulator - Experience from the CPSO	Dr. Robert Byrick
January 21	"Saturday Night Is Not Alright" – A Look into After-Hours Patient Care	Dr. Larry Roy
March 5	Who Should Have a Post-Operative Troponin?	Dr. Scott Beattie
April 3	How do Anesthetics Affect Memory? Does it Matter?	Dr. Beverley Orser
April 24	Looking Beyond the OR: Is there a role for anesthesiologists in a 21st century healthcare system?	Dr. Alex Jadad
June 3	Why Does Anesthesia Matter for Total Knee Replacement?	Dr. Colin McCartney

Anesthesia Fellows 2012-2013

The Hospital for Sick Children

Ahern, SineadIreland	Moulton, Dagmar.....Canada	Rastogi, Sachin .. United Kingdom	Skelton, Teresa.....Canada
Laskine-Holland, Marie Laure Canada	Bunbury, DeanAustralia	Dowling, JohnIreland	Howie, Alasdair .. United Kingdom
Ali, Samia.....Canada/Sudan	Obara, Soichiro Japan	Schwartz, Amanda.....Canada	Stocki, Daniel Israel/Sweden
McCarthy, KevinIreland	Coghlan, Mathew.....Ireland	Finnerty, Olivia... United Kingdom	Lachance, Monia.....Canada
Balakrishnan, Sindu India	Raj, Diana United Kingdom	Seuss, Andrew Canada	Tan, Tracy Singapore
	Cyr, Jason Denis.....Australia	Goh, Nicole..... Malaysia	

Mount Sinai Hospital

Ali, Ashraf Moussa..... United Kingdom	Boulis, Sherif Refaat.....Egypt	Desai, Devdatta India	Hards, Andrea United Kingdom
Khan, Mubeen ... United Kingdom	Nandhakumar, Amar India	Rady, SherifEgypt	Smith, Rebecca-Lea United Kingdom
Ahmed, Iram United Kingdom	Clivatti, Jefferson Brazil	Ghafari, Mohammad Iran	Khanduja, Kristian..... United Kingdom
Moga, Rebecca... United Kingdom	Nguyen-Lu, Nhathien..... United Kingdom	Roy, Debashis Canada	

St. Michael's Hospital

Abdallah, Faraj Canada	Contreras, MayaIreland	Garavaglia, Marco Italy	Kaplan, LindyAustralia
Leung, Rico Canada	McAuliffe, NiamhIreland	Parotto, Matteo Italy	Rondi, Kevin Canada
Ahmed, Sana Canada	D'Costa, Abbey Canada	George, Thomas South Africa	Kim, Martin Australia
Lim, Herman Australia	McCarthy, DeniseIreland	Punja, Alim Canada	Seow, Grace Australia
Beckingsale, Alex . United Kingdom	Egan, Timothy United Kingdom	Judelman, Saul Canada	Lau, Gary United Kingdom
Mathews, Geena .. United Kingdom	Oliveira, Katia Brazil	Ramanani, Mariappan India	Soliman, Waleed Canada

Sunnybrook Health Sciences Centre

Constantinescu, Corina Romania (P.R. Canada)	Percival, Vanessa..... Australia	Schramm, Belinda..... Australia	Lansdown, Andrew..... Australia
Patel, Snajiv United Kingdom	Fried, Ben Canada	Kong, Grace Canada	Tavakkolizadeh, Moein..... United Kingdom
Cordovani, Daniel Brazil	Ross, Paul Australia	Singer, Oskar Canada	Nix, Catherine Ireland
Peng, Yvonne Canada	Ju, Hui China	Kuszewski, Peter Canada	Tharakan, Liza.... United Kingdom
Daher, Mauricio..... Brazil	Ryan, Tony..... Australia	Singh, Mandeep India (P.R. Canada)	Pandya, Seema India (P.R. Canada)
	Kahlon, Navraj Canada		

UHN - Toronto General Hospital

Ashes, Catherine Australia	Cerutti, Benjamin Australia	Doherty, MargaretIreland	Judelman, Saul Australia
Judelman, Saul Australia	Moreno, Jacobo Spain	Rakhman, Evgeny..... Ukraine	Staryk, Lukasz..... Switzerland
Ahern, SineadIreland	Chui, Jason..... Singapore	Ellard, Louise..... Australia	Khalil, Raghad Canada
Lyn, Sheldon..... Canada	Murphy, CaitrionaIreland	Saeed, Sabir Pakistan	Subash, Gowri Shankar United Kingdom
Ashes, Catherine Australia	Cordero Rochet, Maria Jose...Chile	Hastings, Stuart Australia	Kluger, Michael Australia
Marseu, Katherine Canada	Nassef, Mohamed..... Egypt	Sainsbury, Jennifer United Kingdom	Tan, Leng Zoo..... Singapore
Casas-Lopez, Catalina ... Columbia	Doufle, Ghislaine France	Isaac, Raj United Kingdom	Luksun, Warren Canada
McKenny, MichaelIreland	Puentes, Wilfredo Columbia	Schulein, Simone . United Kingdom	Vives, Marc Spain

UHN - Toronto Western Hospital

Abdullah, Hairil Singapore	Ping Tan, Tze Australia	Raviraj, Raveendran..... India	Tan, Audrey..... United Kingdom
Moga, Rebecca..... Canada	Correa, Denis UAE	Ling Tan, Hung..... Malaysia	McVicar, Jason Canada
Alakkad, Husni..... Canada	Raju, Senthilkumar..... India	Riad Soliman, Waleed Iran	Wourms, Vincent Canada
Murgatroyd, Harry..... United Kingdom	Goettel, Nicolai Switzerland	Mahmoud, Shireen Egypt	Mehta, Arpan United Kingdom
Anki Chetty, Saravanan India	Rahimi, Eiman Iran	Soneji, Neilesh..... Canada	
	Harris, Michelle..... Australia	Mariappan, Ramamani India	

Continuing Medical Education

Report from Dr. Peter Slinger, Director, CME/CPD Programs

We aim to provide pertinent and up to date CME/CPD activities to the UT Department and the Anesthesia Community



The Continuing Medical Education Committee for the Department of Anesthesia is comprised of representatives from each of the teaching hospitals as well as directors of CME courses and community hospital representatives. The committee meets 4 times each year to discuss, plan and organize a number of continuing education initiatives for

the department. The committees aim is to promote CME/CPD both within the departments and in the anesthesia community. We also endeavour to ensure that most CE activities qualify for University of Toronto sponsorship and are accredited learning activities.

Course Development

Under the direction of Dr. Elizabeth Au-Yeung the committee supervises the Anesthesia Practice Meeting. This two-day course affords a combination of lectures,

workshops and problem-based learning discussions for both Fellowship and GP Anesthetists. In 2013 this course will undergo a major revision and rebranding

as Toronto Interactive Anesthesia and the revised program will include an increased emphasis on interaction between the audience and faculty.

Course Sponsorship

The CME Committee aids in the development and accreditation of ongoing

CME courses produced by the U of T Department of Anesthesia.



Anesthesia CME courses for July 2012-June 2013 include:

Course	Date(s)	Course Organiser
Obstetric Anesthesia	Sept 21-22, 2012	Jose Carvalho
Perioperative Transesophageal Echocardiography Symposium	Nov 3-4, 2012	Annette Vegas, Jo Carroll
Anesthesia Faculty Development Day	Nov 12, 2012	Martin van der Vyver
Regional Anesthesia and Pain Medicine	Oct 25-28, 2012	Ahtsham Niazi
Critical Care Canada Forum	Oct 28-31, 2012	Brian Kavanagh
Mendelsohn Lecture	Nov 23, 2012	Elizabeth Au-Yeung
Toronto Anesthesia Practice	Nov 24-27, 2012	Elizabeth Au-Yeung
Ultrasound for Pain Medicine Workshop	Nov 30-Dec 2, 2012	Phillip Peng
Toronto Anesthesia Symposium	Apr 13-14, 2012	Peter Slinger, David Wong, Aliya Salman
Shields Day	May 10, 2013	Zeev Friedman

Future Anesthesia CME Courses Include:

Course	Date(s)	Course Organiser
Regional Anesthesia Mini Workshops	May 31-June 2, June 14-15, Oct 4-6, Nov 1-2, Nov 29-30 2013	Vincent Chan
Obstetric Anesthesia	Sept 20-21, 2013	Jose Carvalho
Continuous Peripheral Nerve Blocks for Major Orthopedic Surgery	Oct 18, 2013	Martin Van Der Vyver
Critical Care Canada Forum	Oct 28, 2013	Brian Kavanagh
Malignant Hyperthermia Scientific Congress	Nov 1-2, 2013	Sheila Riazi
Perioperative Trans-esophageal Echocardiography Symposium	Nov 2-3, 2013	Annette Vegas, Jo Carroll
Ultrasound for Pain Medicine Workshops	Nov 4-6, 2013	Philip Peng
Pediatric Anesthesia	Nov 8-10, 2013	Elizabeth McLeod
Anesthesia Faculty Development Day	Nov 11, 2013	Martin van der Vyver
Mendelson lecture	Nov 29, 2013	Elizabeth Au-Yeung
Toronto Interactive Anesthesia	Nov 30-Dec 1, 2013	Alison Ho
Toronto Anesthesia Symposium	Apr 5-6, 2014	Peter Slinger, David Wong, Aliya Salman
Shields Day	May 9, 2014	Zeev Friedman
Controversies in Perioperative Medicine	May, 2015	Mark Friedlander

Web-Based Learning:

1) CME Online Anesthesia Rounds

This program has been enlarged to 17 educational modules. This program has been developed by Sharon Davies (MSH). These modules have been accredited by the University of Toronto CEPD Dept. for Section 3 RCPSC credits. In 2012, 881 modules were completed by 484 participants. These modules can be accessed through the U of T Anesthesia Dept. website www.anesthesia.utoronto.ca under: Education/Continuing Medical Education.

2) Web-Based Bronchoscopy Simulator

The Thoracic Anesthesia group of the Toronto General Hospital has created an online bronchoscopy simulator to improve Anesthesiologist's skills in providing lung isolation for thoracic anesthesia by learning bronchial anatomy. The Simulator and Quiz can be accessed on the website <http://www.thoracicanesthesia.com/>. This simulator has been accredited by the University of Toronto CEPD Dept. for CME credits.



Faculty Development

Report from Dr. Martin Van Der Vyver, Director, Faculty Development Programs

Our Faculty Development Day provides another forum at which our faculty may network

Our aim is to plan and implement program-related initiatives to facilitate the development of our faculty as clinical teachers and educators and provide support to enable them to fulfill multiple roles and responsibilities expected of physicians in academic medicine.

The members of the Faculty Development committee for the period 2012-2013:

Martin van der Vyver - Committee Chair

Megan Hayter - SMH

Susan Lilker - St. Joseph's Health Care Centre

Clyde Matava - SickKids

Claire Middleton - TGH

David McKnight - Vice Chair, Education, Dept of Anesthesia

Martha O' Driscoll - Sunnybrook

Sheila Riazi - TWH

Eric You Ten - MSH

The annual Faculty Development Day was held on Monday November 12th, 2012 at the Chestnut Centre in downtown Toronto. The goals of Faculty Development Day are to:

1. Improve teaching and other professional skills that faculty require,
2. Provide a platform to present research and innovations in the field of Education or Creative Professional Activities, and
3. Recognize teaching excellence.

Faculty Development Day also provides another forum (in addition to Shields Day) for our faculty to network. We hope that eventually all teaching sites will enable their staff to attend in large numbers.

Faculty Development Day 2012 was arranged by the following planning committee:

Martin van der Vyver - Chair of planning committee

Sheila Riazi and Clyde Matava - Sub-chairs, arranging scientific sessions and small-group sessions respectively

Craig Daniels - Coordinator (Business Manager, Department of Anesthesia)

Gary Cronin - Web service support

Jennifer Morris - Admin support

Dr. Derek Puddester gave the keynote presentation on Physician Wellness.



This was followed by small group sessions on the following topics:

- Stress and burn out amongst medical teachers/clinicians
- Role Modeling: Monkey see, Monkey do
- Anesthesiologist 2.0 – Apps that impact your practice and clinical teaching
- Late Career Planning
- Judgement and Anesthesia: Slowing down when you should
- Teaching Medical Students

The award for best oral presentation was awarded to **Dr. Zeev Friedman** from Mount Sinai Hospital for his presentation on Challenging authority during a life threatening crisis: The effect of operating room hierarchy. **Dr. Clyde Matava** was awarded the prize for the best poster presentation on the topic of eLearning among Canadian anesthesia residents: A survey of podcast use and content needs.

The People's Choice Awards went to **Dr. Zeev Friedman** for his oral presentation and **Dr. Catherine Nix** for her poster presentation.



Other Events Organized by the Faculty Development Committee:

A late afternoon workshop on *Senior Promotions* was held on February 4th, 2013 and was attended by more than 25 faculty. Invited facilitators were Dr. Avrum Gotlieb, Chair of the Decanal Promotions Committee, and Dr. Mary Bell, Associate Professor, Department of Medicine. The objectives of the workshop were to clarify the administrative process (Dr. Craig Daniels, Business Manager for the Department of Anesthesia), describe expectations of the Faculty of Medicine (Dr. Gotlieb) and to identify the criteria for Creative Professional Activities worthy of senior promotion (Dr. Bell).

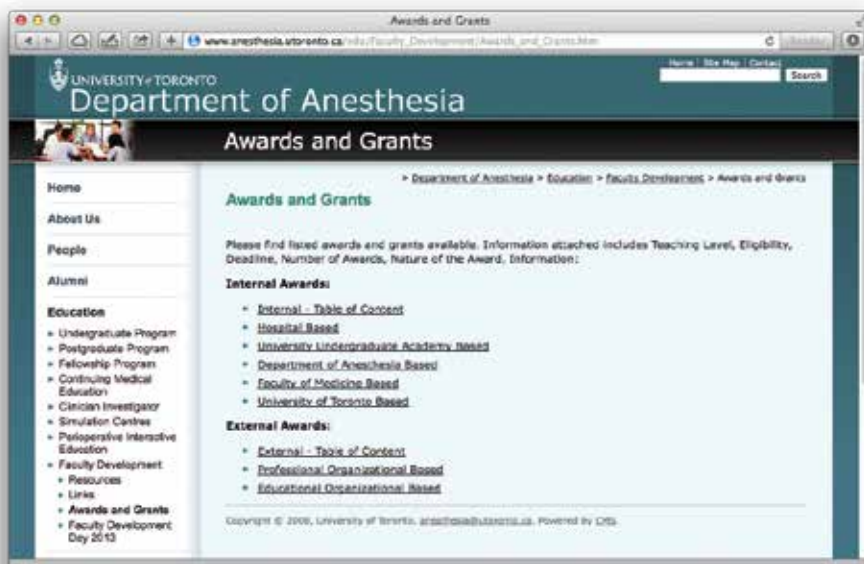
Career Development was the focus of the second afternoon workshop held on Monday May 27th, 2013. Two concurrent sessions addressed the needs of junior faculty and those in the later stages of their career respectively. Invited speakers were Drs. Ivan Silver (CAMH Vice President of Education), Colin McCartney (Associate Professor in Anesthesia) and the expert panel on late career planning led by Dr. Karen Leslie, Director of the CFD.

A joint Faculty Development event for part-time faculty affiliated with the Mississauga Academy of Medicine was held in September 2012. The objective of this event, jointly organized with Dr. Jana Bajcar, Faculty Development Officer



at the Mississauga Academy of Medicine, was to address the concerns of faculty about teaching clerks and residents in a community practice setting.

A database of education related awards available to faculty from hospitals, the department, university and nationally was created by Dr. Martha O'Driscoll. A similar database with available funding opportunities in all areas of education was also created by Dr. O'Driscoll. These databases are available on the U of T Anesthesia web site and we encourage all faculty to use these resources. (www.anesthesia.utoronto.ca/edu/Faculty_Development/Awards_and_Grants.htm)



Research Programs

Report from Dr. David Mazer, Vice Chair, Research

We are immensely proud of our outstanding faculty and trainees who continue to advance our profession

Our department has had another very successful year for research. Thanks to the outstanding accomplishments of our faculty and trainees, we continue to be national and international leaders in terms of publications, grants, awards, and recognition. Whether assessed by volume, impact or other metrics, we remain at or near the top of Anesthesia Departments around the world.

Publications from members of our department have appeared in a very wide range of high impact journals, and our faculty have provided a significant number of invited lectures and visiting professorships around the world. The numerous prestigious peer-reviewed grants awarded to our department are listed elsewhere in this report. These lists highlight the dedication of our faculty



and trainees to the generation and dissemination of new knowledge related to our specialty.

Several of our faculty have received especially noteworthy recognition for their research this past year.

Dr. Frances Chung was named the Royal College McLaughlin-Gallie Visiting Professor for 2013 - this award is significant since McLaughlin-Gallie Visiting Professors can be selected from any country in the world and may represent any branch of medicine. Dr. Andrew Baker was awarded the Research Recognition Award from the Canadian Anesthesiologists' Society for his sustained research in and major contributions to anesthesiology and perioperative medicine. Dr. Joel Katz was named the Canadian Pain Society Distinguished Service Award Recipient for 2013. This prestigious award recognizes longstanding service in pain research and pain management.

Research by trainees remains an important departmental priority. We were thus very pleased that Drs. Sinziana Avramescu and Gerard Curley won Mentored Research

Awards from the International Anesthesia Research Society. These grants are the most important research awards for emerging anesthesiology clinician-



scientists; our department received 2 of the 4 awarded in 2013. Drs. Avramescu and Curley also received 2013 U of T Department of Anesthesia Clinician-Scientist Transition Awards. Trainee research is also flourishing with our Clinician Investigator Program, advanced degree programs, graduate student initiatives and active fellowship program. This year we have had several successful PSI foundation and Daniel Massik MHAUS Anesthesiology Resident Awards. The breadth and depth of our trainee research was highlighted at our annual Shields Research Day which was organized by Dr. Zeev Friedman. The Shields day award winners are listed elsewhere in this report.

We are immensely proud of our outstanding faculty and trainees who continue to advance our profession through their research activities, and we look forward to even greater successes in the future.

Institution	Web of Science Publications (2012)	Times Cited	% Publications Cited	% Publications in Subject Area	% Publications in Institution	% Publications Cited Relative to Subject Area	% Publications Cited Relative to Institution
Harvard Univ	123	108	40.65	3.20	0.67	1.31	0.95
Univ Toronto	92	82	44.57	2.39	0.90	1.44	1.21
Univ Washington	54	49	37.04	1.40	0.73	1.19	0.92
Johns Hopkins	53	40	30.19	1.38	0.65	0.97	0.74
Univ Penn	46	25	30.43	1.20	0.64	0.98	0.77
UC San Francisco	45	42	44.44	1.17	0.84	1.43	1.05
McGill Univ	42	57	45.24	1.09	0.79	1.46	1.24
Duke Univ	41	21	31.71	1.07	0.71	1.02	0.78
Stanford Univ	40	24	32.50	1.04	0.55	1.05	0.79
Northwestern	33	23	33.33	0.86	0.69	1.08	0.85
Columbia Univ	29	18	44.83	0.75	0.43	1.45	1.13
British Columbia	28	21	32.14	0.73	0.45	1.04	0.87
Vanderbilt Univ	27	18	40.74	0.70	0.70	1.31	1.02
Yale Univ	27	30	37.04	0.70	0.46	1.19	0.86
Univ Michigan	26	22	30.77	0.68	0.31	0.99	0.82
Univ Pittsburgh	26	14	42.31	0.68	0.46	1.36	1.10
Univ Florida	24	22	50.00	0.62	0.44	1.61	1.54
Univ Iowa	23	31	43.48	0.60	0.79	1.40	1.26
Emory Univ	21	32	42.86	0.55	0.56	1.38	1.14
Univ Montreal	19	18	26.32	0.49	0.48	0.85	0.80
UC San Diego	18	16	50.00	0.47	0.30	1.61	1.22
Cornell Univ	17	21	41.18	0.44	0.29	1.33	1.07
UC Los Angeles	17	11	41.18	0.44	0.24	1.33	1.01
Univ Chicago	17	16	35.29	0.44	0.31	1.14	0.84
Univ Calif Irvine	16	16	62.50	0.42	0.49	2.02	1.62
Univ N Carolina Chapel Hill	16	11	37.50	0.42	0.33	1.21	0.99
Univ Ottawa	16	16	43.75	0.42	0.57	1.41	1.34
Univ Virginia	16	16	37.50	0.42	0.55	1.21	1.01
Wisconsin Madison	16	26	50.00	0.42	0.28	1.61	1.36
Western Univ	15	4	26.67	0.39	0.52	0.86	0.88
Dalhousie Univ	13	2	15.38	0.34	0.78	0.50	0.50
Washington Univ	13	12	46.15	0.34	0.32	1.49	1.14
Queens Univ	12	13	58.33	0.31	0.71	1.88	1.80
Univ Alberta	12	16	50.00	0.31	0.27	1.61	1.56
Univ Rochester	12	8	33.33	0.31	0.47	1.08	0.84
Ohio State Univ	11	7	36.36	0.29	0.20	1.17	1.02
McMaster Univ	10	9	60.00	0.26	0.33	1.94	1.73
Univ Minnesota	10	4	30.00	0.26	0.16	0.97	0.84
New York Univ	9	10	55.56	0.23	0.21	1.79	1.51
Univ Calgary	9	13	33.33	0.23	0.30	1.08	1.01
Univ Calif Davis	8	1	12.50	0.21	0.15	0.40	0.36
Univ Arizona	7	10	85.71	0.18	0.19	2.76	2.14
Univ Maryland	7	2	28.57	0.18	0.15	0.92	0.77
Univ Laval	6	6	50.00	0.16	0.28	1.61	1.59
Penn State Univ	5	0	0.00	0.13	0.10	0.00	0.00
Rutgers State	5	2	20.00	0.13	0.12	0.65	0.60
Univ Manitoba	5	11	60.00	0.13	0.26	1.94	1.88
Boston Univ	4	11	50.00	0.10	0.11	1.61	1.25
Suny Buffalo	4	0	0.00	0.10	0.20	0.00	0.00
Suny Stony Brook	4	1	25.00	0.10	0.21	0.81	0.60
Brown Univ	3	1	33.33	0.08	0.12	1.08	0.91
Case Western Res.	3	0	0.00	0.08	0.12	0.00	0.00
Michigan State	3	3	66.67	0.08	0.08	2.15	1.99
MIT	3	5	66.67	0.08	0.05	2.15	1.42
Saskatchewan	3	1	33.33	0.08	0.20	1.08	1.21

Annual Shields Research Day 2013

On May 10th 2013, the Department of Anesthesia got together again to celebrate the front-line innovative research performed by its members. This event needs very little outside effort to make it successful. The quality of the research presented by the department's trainees and the Annual Shields Lecture make this day an instant hit.

The 34th Shields Day was again extremely successful. We had 288 attendees (including 80 residents, 56 fellows, 105 faculty, 20 Anesthesia Assistants, 27 research students.)

The Annual Shields Lecture was presented by Dr. Todd Dorman: "Continuing medical education: the link between physician learning and health care outcomes" while

the Vice Chair of Research Selection was presented by Dr. Beverley Orser: "Teaching Old Receptors New Tricks: Extrasynaptic inhibitory Receptors as Therapeutic Targets". Both presentations were very well received and were followed by enthusiastic question and answer periods.

We had several awards which were given out to the highest scoring projects:

A. C. Bryan Award - Best Presentation by a Grad Student - **Paul Whissell**


Hynek Rothbart Award - Best Paper by a Resident - **Mark McVey**

R. J. Byrick Award - Best Paper by a Fellow - **Husni Alakkad**

David Bevan Award - Best Overall Poster - **Dianshi Wang**

Congratulations to all of these award recipients on winning their respective categories and congratulations also to the other oral and poster presenters for being part of another successful day of research and networking.





This academic year was very fruitful in terms of research and academic productivity

Publications

Peer-Reviewed Publications

- Abdallah FW, Brull R.** The definition of block “success” in the contemporary literature: are we speaking the same language? *Reg Anesth Pain Med* 37:545-553, 2012
- Abdallah FH, Halpern SH, Margarido DB.** Transversus abdominus plane block for postoperative analgesia after Caesarean delivery performed under spinal anesthesia. A systematic review and meta-analysis. *Br J Anaesth* 109:679-687, 2012
- Adeniji K, Steel AC.** The pathophysiology of perioperative lung injury. *Anesthesiol Clin* 30:573-590 Review, 2012
- Agus MSD, Steil GM, Wypij D, Costello JM, Laussen PC, Langer M, Alexander JL, Scoppettuolo LA, Pigula FA, Charpie JR, Ohye RG, Gaies MG, SPECS Study Investigators.** Tight Glycemic Control versus Standard Care after Pediatric Cardiac Surgery. *New Engl J Med* 367:1209-1219, 2012
- Albrecht E, Kirkham KR, Liu SS, Brull R.** Peri-operative intravenous administration of magnesium sulphate and post-operative pain: a meta-analysis. *Anaesthesia* 68:79-90 Review, 2013
- Ankichetty SP, Angle P, Joselyn AS, Chinnappa V, Halpern S.** Anesthetic Considerations of Parturients with Obesity and Obstructive Sleep Apnea. *J Anaesthesiol Clin Pharmacol* 28:436-443, 2012
- Ankichetty S, Angle P, Margarido C, Halpern SH.** Case report: Rhabdomyolysis in morbidly obese patients: anesthetic considerations. *Can J Anesth* 60:290-293, 2013
- Antonelli M, Bonten M, Cecconi M, Chastre J, Conti G, Curtis JR, Hedenstierna G, Joannidis M, Macrae D, Maggiore SM, Mancebo J, Mebazaa A, Preiser JC, Rocco P, Timsit JF, Wernerman J, Zhang H.** Year in review in Intensive Care Medicine 2012 I. Neurology and neurointensive care, epidemiology and nephrology, biomarkers and inflammation, nutrition, experimentals. *Intensive Care Med* 39:232-246, 2013
- Antonelli M, Bonten M, Cecconi M, Chastre J, Conti G, Curtis JR, Hedenstierna G, Joannidis M, Macrae D, Maggiore SM, Mancebo J, Mebazaa A, Preiser JC, Rocco P, Timsit JF, Wernerman J, Zhang H.** Year in review in Intensive Care Medicine 2012 II. Pneumonia and infection, sepsis, coagulation, hemodynamics, cardiovascular and microcirculation, critical care organization, imaging, ethics and legal issues. *Intensive Care Med* 39:345-364, 2013
- Antonelli M, Bonten M, Cecconi M, Chastre J, Conti G, Curtis JR, Hedenstierna G, Joannidis M, Macrae D, Maggiore SM, Mancebo J, Mebazaa A, Preiser JC, Rocco P, Timsit JF, Wernerman J, Zhang H.** Year in review in Intensive Care Medicine 2012 III. Noninvasive ventilation, monitoring and patient-ventilator interactions, acute respiratory distress syndrome, sedation, paediatrics and miscellaneous. *Intensive Care Med* 39:543-557, 2013
- Awad IT, Cheung JH, Al-Allaq Y, Conroy PH, McCartney CJ.** Low-dose spinal bupivacaine for total knee arthroplasty facilitates recovery room discharge: a randomized controlled trial. *Can J Anesth* 60:259-265, 2013
- Baghirzada L, Krings T, Carvalho JC.** Regional anesthesia in Marfan syndrome, not all dural ectasias are the same: a report of two cases. *Can J Anesth* 59:1052-1057, 2012
- Bala MM, Akl EA, Sun X, Bassler D, Mertz D, Mejza F, Vandvik PO, Malaga G, Johnston BC, Dahm P, Alonso-Coello P, Briel M, Busse JW, You JJ, Walter SD, Altman DG, Guyatt GH.** Randomized controlled trials published in higher impact journals differ in their design, conduct, and analysis from those in lower impact journals. *J Clin Epidemiol* 66:286-295, 2013
- Balaban DY, Duffin J, Preiss D, Mardimae A, Vesely A, Slessarev M, Zubieta-Calleja GR, Greene ER, Macleod DB, Fisher JA.** The in-vivo oxyhaemoglobin dissociation curve at sea level and high altitude. *Respir Physiol Neurobiol* 186:45-52, 2013
- Balki M, Kanwal N, Erik-Soussi M, Kingdom J, Carvalho JC.** Contractile efficacy of various prostaglandins in pregnant rat myometrium pretreated with oxytocin. *Reprod Sci* 19:968-975, 2012
- Balki M, Cooke ME, Dunnington S, Salman A, Goldszmidt E.** Unanticipated difficult airway in obstetric patients: development of a new algorithm for formative assessment in high-fidelity simulation. *Anesthesiology* 117:883-897, 2012
- Barrett CS, Jagers JJ, Cook EF, Graham DA, Yarlagadda VV, Teele SA, Almond CS, Bratton SL, Seeger**



JD, Dalton HJ, Rycus PT, Laussen PC, Thiagarajan RR.

Pediatric ECMO Outcomes: Comparison of Centrifugal Versus Roller Blood Pumps Using Propensity Score Matching. *ASAIO J* 59:145-151, 2013

Di Battista AP, Rhind SG, Baker AJ. Application of blood-based biomarkers in human mild traumatic brain injury. *Front Neurol* 1;4:44, 2013

Beattie WS, Karkouti K, Tait G, Steel A, Yip P, McCluskey S, Farkouh M, Wijeyesundera DN. Use of clinically based troponin underestimates the cardiac injury in non-cardiac surgery: a single-centre cohort study in 51,701 consecutive patients. *Can J Anesth* 59:1013-1022, 2012

Beattie WE, Donati F, Cheng D, Mazer D, Miller DR. From Concept to publication: celebrating mentorship and knowledge generation through research during postgraduate residency training. *Can J Anesth* 60:625-629, 2013

Bender JL, Jimenez-Marroquin MC, Ferris LE, Katz J, Jadad AR. Online communities

for breast cancer survivors: a review and analysis of their characteristics and levels of use. *Support Care Cancer* 21:1253-1263, 2013

Bhatia A, Flamer D, Peng PW. Evaluation of sonoanatomy relevant to performing stellate ganglion blocks using anterior and lateral simulated approaches: an observational study. *Can J Anesth* 59:1040-1047, 2012

Biaggi P, Jedrkiewicz S, Gruner C, Meineri M, Karski J, Vegas A, Tanner FC, Rakowski H, Ivanov J, David TE, Woo A. Quantification of mitral valve anatomy by three-dimensional transesophageal echocardiography in mitral valve prolapse predicts surgical anatomy and the complexity of mitral valve repair. *J Am Soc Echocardiogr* 25:758-765, 2012

Bilanovic A, Irvine J, Kovacs AH, Hill A, Cameron D, Katz J. Uncovering phantom shocks in cardiac patients with an implantable cardioverter defibrillator. *Pacing Clin Electrophysiol* 36:673-683, 2013

Bonin RP, Zurek AA, Bayliss DA, Orser BA. Hyperpolar-

ization-activated current (I_h) is Reduced in Hippocampal Neurons from Gabra5^{-/-} Mice. *PLoS One* 8:e58679, 2013

Carmichael NM, Katz J, Clarke H, Kennedy D, Kreder HJ, Gollish J, McCartney CJ. An intensive perioperative regimen of pregabalin and celecoxib reduces pain and improves physical function scores six weeks after total hip arthroplasty: A prospective randomized controlled trial. *Pain Res Manag* 18:127-132, 2013

Cereda M, Emami K, Xin Y, Kadlecsek S, Kuzma NN, Mongkolwisetwara P, Profka H, Pickup S, M Ishii, Kavanagh BP, Deutschman CS, Rizi RR. Imaging the interaction of atelectasis and overdistention in surfactant depleted lungs. *Crit Care Med* 41:527-535, 2013

Chan MC, Spieth PM, Quinn K, Parotto M, Zhang H, Slutsky AS. Circadian rhythms: from basic mechanisms to the intensive care unit. *Crit Care Med* 40:246-253, 2012

Chaparro LE, Clarke H, Valdes PA, Mira M, Duque L, Mitsakakis N. Adding pregabalin to a multimodal analgesic regimen does not reduce pain scores following cosmetic surgery: a randomized trial. *J Anesth* 26:829-835, 2012

Chau EH, Lam D, Wong J, Mokhlesi B, Chung F. Obesity hypoventilation syndrome: a review of epidemiology, pathophysiology, and perioperative considerations. *Anesthesiology* 117:188-205 Review, 2012

Chau EH, Mokhlesi B, Chung F. Obesity Hypoventilation Syndrome and Anesthesia. *Sleep Med Clin* 8:135-147, 2013

Cheung JJ, Awad IT, Dubrowski A. Reply to Drs Wong and Barrington. *Reg Anesth Pain Med* 38:69-70, 2013

Chian CF, Chiang CH, Jung CY, Chuang CH, Liu SL, Zhang H, Ryu JH. Apocynin attenuates lipopolysaccharide-induced lung injury in an isolated and perfused rat lung model. *Shock* 38:196-202, 2012

Chiang CH, Chuang CH, Liu SL, Chian CF, Zhang H, Ryu JH. N-acetylcysteine attenuates ventilator-induced lung injury in an isolated and perfused rat lung model. *Injury* 43:1257-1263, 2012

Chin KJ, Ramlogan R, Arzola C, Singh M, Chan V. The utility of ultrasound imaging in predicting ease of performance of spinal anesthesia in an orthopedic patient population. *Reg Anesth Pain Med* 38:34-38, 2013

Chin KJ. Ultrasound visualization of the superficial peroneal nerve in the mid-calf. *Anesthesiology* 118:956-965, 2013

Choi S, Awad I. Maintaining micturition in the perioperative period: strategies to avoid urinary retention. *Curr Opin Anaesthesiol* 26:361-367, 2013

Choi S, Mahon P, Awad IT. Neuraxial anesthesia and bladder dysfunction in the perioperative period; a systematic review. *Can J Anesth* 59:681-703, 2012

Christensen R, Voepel-Lewis T, Lewis I, Ramachandran SK, Malviya S; American Heart Association's Get With The Guidelines-Resuscitation (formerly the National Registry of Cardiopulmonary Resuscitation) investigators. Pediatric cardiopulmonary

arrest in the postanesthesia care unit: analysis of data from the American Heart Association Get With The Guidelines-Resuscitation registry. *Paediatr Anaesth* 23:517-523, 2013

Chui J, Venkatraghavan L, Manninen P. Presurgical evaluation of patients with epilepsy: the role of the anesthesiologist. *Anesth Analg* 116:881-888 Review, 2013

Chung F, Chau E, Yang Y, Liao P, Hall R, Mokhlesi B. Serum bicarbonate level improves specificity of STOP-bang screening for obstructive sleep apnea. *Chest* 143:1284-1293, 2013

Clarke H, Bonin RP, Orser BA, Englesakis M, Wijesundera DN, Katz J. The prevention of chronic postsurgical pain using gabapentin and pregabalin: a combined systematic review and meta-analysis. *Anesth Analg* 115:428-442, 2012

Clarke H, Kirkham KR, Orser BA, Katznelson R, Mitsakakis N, Ko R, Snyman A, Ma M, Katz J. Gabapentin reduces preoperative anxiety and pain catastrophizing in highly anxious patients prior to major surgery: a blinded randomized placebo-controlled trial. *Can J Anesth* 60:432-443, 2013

Clivatti J, Smith RL, Sermer M, Silversides C, Carvalho JC. Cardiac output monitoring during Cesarean delivery in a patient with palliated tetralogy of Fallot. *Can J Anesth* 59:1119-1124, 2012

Conroy P, Luyet C, McCartney CJ, McHardy P. Real-time ultrasound guided spinal anesthesia: a prospective observational study of a new

approach. *Anesthesiol Res Pract* 2013:525818, 2013

Contreras M, Ansari B, Higgins BD, O'Toole D, Curley G, Hassett P, Laffey JG. Hypercapnic acidosis attenuates Ventilation Induced Lung Injury by an NF- κ B dependent mechanism. *Crit Care Med* 40:2622-2630, 2012

Cordovani D, Balki M, Farine D, Seaward G, Carvalho JC. Carbetocin at elective Cesarean delivery: a randomized controlled trial to determine the effective dose. *Can J Anesth* 59:751-757, 2012

Cordovani D, Cooper RM. A prospective trial on a new sutureless securement device for central venous catheters. *Can J Anesth* 60:504-505, 2013

Cortinois AA, Glazier RH, Caidi N, Andrews G, Herbert-Copley M, Jadad AR. Toronto's 2-1-1 healthcare services for immigrant populations. *Am J Prev Med* 43:475-482, 2012

Curley GF, Ansari B, Hayes M, Devaney J, O'Toole D, O'Brien T, Laffey JG. Effects of intratracheal Mesenchymal Stem Cells therapy during recovery and resolution following Ventilator Induced Lung Injury. *Anesthesiology* 118:924-932, 2013

Curley GF, Laffey JG, Kavanagh BP. CrossTalk proposal: there is added benefit to providing permissive hypercapnia in the treatment of ARDS (Perspective). *J Physiol* 591:2763-2765, 2013

Cuthbertson BH. Goldilocks, elephants and surgical fluids. *Br J Anaesth* 110:144-145, 2013

Cuthbertson BH, Croal BL, Rae D, Harrlid K, Gibson

PH, Prescott GJ, Kengne AP, Hillis GS. N-terminal pro-B-type natriuretic peptide concentrations and long-term outcome after cardiac surgery: a prospective cohort study. *Br J Anaesth* 110:214-221, 2013

da Costa BR, Rutjes AW, Johnston BC, Reichenbach S, Nuesch E, Gemperli A, Tonia T, Guyatt GH, Jüni P. Methods to convert continuous outcomes into ORs of treatment response and NNTs: meta-epidemiological study. *Int J Epidemiol* 41:1445-1459, 2012

Daneman N, Sarwar S, Fowler RA, Cuthbertson BH, SuDDICU Canadian Study Group. Effect of selective decontamination on antimicrobial resistance in intensive care units: a systematic review and meta-analysis. *Lancet Infect Dis* 13:328-341, 2013

Denault AY, Tardif JC, Mazer CD, Lambert J for the BART Investigators. Difficult and complex separation from cardiopulmonary bypass in high-risk cardiac surgical patients: A multicenter study. *J Cardiothorac Vasc Anesth* 26:608-616, 2012

Desjardins P, Turgeon AF, Tremblay MH, Lauzier F, Zarychanski R, Boutin A, Moore L, McIntyre L, English SW, Lacroix J, Rigamonti A, Fergusson DA. Hemoglobin levels and transfusions in neurocritically ill patients: a systematic review of comparative studies. *Crit Care* 12:16:R54, 2012

Doherty A, Ohashi Y, Downey K, Carvalho JC. Phenylephrine infusion versus bolus regimens during cesarean delivery under spinal anesthesia: a double-blind randomized clinical trial to assess

hemodynamic changes. *Anesth Analg* 115:1343-1350, 2012

Ellard L, Djaiani G. Anaesthesia for vascular emergencies. *Anaesthesia* 68:72-83 Review, 2013

Everett TC, Ng E. Mobile, wireless, multi-camera audiovisual solution for simulation: a novel application of existing technology. *Int J Med Sim* 4, 2013

Ferraris VA, Saha SP, Oestreich JH, Song HK, Rosengart T, Reece TB, Mazer CD, Bridges CR, Despotis GJ, Jointer K, Clough ER. 2012 Update to The Society of Thoracic Surgeons Guideline on Use of Antiplatelet Drugs in Patients Having Cardiac and Noncardiac Operations. *Ann Thorac Surg* 94:1761-1781, 2012

Fierstra J, Winter JD, Machina M, Lukovic J, Duffin J, Kassner A, Fisher JA. Non-invasive accurate measurement of arterial PCO₂ in a pediatric animal model. *J Clin Monit Comput* 27:147-155, 2013

Fortis S, Spieth PM, Lu WY, Parotto M, Haitisma JJ, Slutsky AS, Zhong N, Mazer CD, Zhang H. Effects of anesthetic regimes on inflammatory responses in a rat model of acute lung injury. *Int Care Med* 38:1548-1555, 2012

Francis SP, Katz J, Fanning KD, Harris KA, Nicholas BD, Lacy M, Pagana J, Agris PF, Shin JB.

A novel role of cytosolic protein synthesis inhibition in aminoglycoside ototoxicity. *J Neurosci* 13; 33:3079-3093, 2013

Gadsden J, Kwofie K, Shastri U. Continuous

Intercostal versus Paravertebral Blockade for Multiple Fractured Ribs. *J Trauma Acute Care Surg* 73:293-294, 2012

Gagliese L, Katz L, Gibson M, Clark AJ, Lussier D, Gordon A, Salter MW. A brief educational intervention about pain and aging for older members of the community and healthcare workers. *J Pain* 13:849-856, 2012

Gaies MG, Langer M, Alexander J, Steil G, Ware J, Wypij D, Laussen PC, Newburger J, Pigula F, Shukla A, Duggan C, Agus MSD, SPECS Study Group. Design and rationale of Safe Pediatric Euglycemia after Cardiac Surgery (SPECS): a randomized controlled trial of tight glycemic control after pediatric cardiac surgery. *Ped Crit Care Med* 14:148-156, 2013

Garavaglia M, Hare GM, Cusimano MD. Local Anesthetic Toxicity During Awake Craniotomy. *J Neurosurg Anesthesiol* 25:355-356, 2013

Gardner-Nix J, Barbati J, Grummitt J, Pukal S, Raponi Newton R. Exploring the Effectiveness of a Mindfulness-Based Chronic Pain Management Course Delivered Simultaneously to On-Site and Off-Site Patients Using Telemedicine. *Mindfulness* 1-9, 2012

Gauthier LR, Rodin G, Zimmermann C, Warr D, Librach SL, Moore M, Shepherd FA, Gagliese L. The communal coping model and cancer pain: the roles of catastrophizing and attachment style. *J Pain* 13: 1258-1268, 2012

Ghanayem NS, Allen K, Tabbutt S, Atz Am, Bhatt M, Clabby M, Cooper DS, Eghtesady P, Frommelt PC, Gruber PJ, Hill KD, Kaltman JR, Laussen PC, Lewis AB, Lurito KJ, Minich LL, Ohye RG, Schonbeck J, Schwartz SM, Singh RK, Goldberg CS, Pediatric Heart Network Investigators. Interstage Mortality after the Norwood Procedure: Results of the Multi-Center Single Ventricle Reconstruction Trial. *J Thoracic Cardiovasc Surg* 144:896-906, 2012

Giglia TM, DiNardo J, Ghanayem NS, Ichord R, Niebler RA, Odegard KO, Massicotte P, Yates AR, Laussen PC, Tweddell JS. Bleeding and thrombotic emergencies in pediatric cardiac intensive care: unchecked balances. *World J for Ped and Cong Heart Surg* 3:470-491, 2012

Girotra S, Spertus JA, Li Y, Berg RA, Nadkarni VM, Chan PS; American Heart Association Get With the Guidelines-Resuscitation Investigators. Survival trends in pediatric in-hospital cardiac arrests: an analysis from Get With the Guidelines-Resuscitation. *Circ Cardiovasc Qual Outcomes* 6:42-49, 2013

Goldenberg J, Ma SSY, Saxton J, Vandvik PO, Mazten M, Johnston BC. Probiotics for the prevention of *C. difficile* associated diarrhea and antibiotic-associated diarrhea in adults and children. *Cochrane Database Syst Rev* 31;5:CD006095, 2013

Goligher EC, Ferguson ND, Kavanagh BP. Ventilator-induced diaphragm dysfunction: From mice (hopefully) to

men (Editorial). *Anesthesiology* 117:463-464, 2012

Grosse-Wortmann L, Drolet C, Dragulescu A, Kotani Y, Chaturvedi R, Lee KJ, Mertens L, Taylor K, LaRotta G, van Arsdell G, Redington A, Yoo SJ. Aortopulmonary Collateral Flow Volume Impacts Early Postoperative Outcome after Fontan Completion: A Multimodality Study. *J Thorac Cardiovasc Surg* 144:1329-1336, 2012

Guyatt GH, Thorlund K, Oxman AD, Walter SD, Patrick D, Furukawa TA, Johnston BC, Karanikolas P, Vist G, Kunz R, Brozek J, Meerpohl J, Akl EA, Christensen R, Schünemann HJ. GRADE guidelines: Preparing Summary of Findings Tables: Continuous Outcomes. *J Clin Epidemiol* 66:173-183, 2013

Hards A, Davies S, Salman A, Erik-Soussi M, Balki M. Management of simulated maternal cardiac arrest by residents: didactic teaching versus electronic learning. *Can J Anesth* 59:852-860, 2012

Hare GMT, Tsui AKY, Osawa S, Shander A. Anaemia: Can we defined haemoglobin thresholds for impaired oxygen homeostasis and suggest new strategies for treatment? *Best Pract Res Clin Anaesthesiol* 27:85-98, 2013

Hare GMT, Tsui AKY, Crawford JH, Patel RP. Is methemoglobin an inert bystander, biomarker or a mediator of oxidative stress—the example of anemia? *Redox Biol* 60:168-175, 2013

Hare GMT, Freedman J, Mazer CD. Risk of anemia and related management strategies: can perioperative

blood management improve patient safety? *Can J Anesth* 60:168-175, 2013

Hasan BS, Bautista-Hernandez V, McElhinney DB, Salvin J, Laussen PC, Prakash A, Geggel RL, Pigula FA. Outcomes of transcatheter approach for initial treatment of pulmonary atresia with intact ventricular septum. *Catheter Cardiovasc Interv* 81:111-118, 2013

Hodnett ED, Stremler R, Halpern S, Weston J, Windrim R. Repeated Hands-and-Knees Positioning During Labour: A Pilot Randomized Controlled Trial. *PeerJ* 12;1:e25, 2013

Holtby H, Skowno JJ, Kor DJ, Flick RP, Uezono S. New technologies in pediatric anesthesia. *Paediatr Anaesth* 22:952-961, 2012

Hu T, Beattie WS, Mazer CD, Leong-Poi H, Fujii H, Wilson DF, Tsui AK, Liu E, Muhammad M, Baker AJ, Hare GM. Treatment with a highly selective β_1 antagonist causes dose-dependent impairment of cerebral perfusion after hemodilution in rats. *Anesth Analg* 116:649-662, 2013

Hu T, Beattie WS, Mazer D, Leong-Poi H, Fujii H, Wilson DF, Tsui AKY, Liu E, Muhammad M, Baker AJ, Hare GMT. Treatment with a highly selective β_1 antagonist causes dose-dependent impairment of cerebral perfusion after hemodilution in rats. *Anesth Analg* 116:649-662, 2013

Hurlburt L, Lay C, Fehlings MG, Carvalho JC. Postpartum workup of postdural puncture headache leads to diagnosis and surgical treatment of

thoracic pseudomeningocele: a case report. *Can J Anesth* 60:294-298, 2013

Hutton B, Joseph L, Fergusson D, Mazer CD, Shapiro S, Tinmouth A. Risks of harms using antifibrinolytics in cardiac surgery: systematic review and network meta-analysis of randomized and observational studies. *Br Med J* 11;345:e5798, 2012

Islam R, Tinmouth AT, Francis JJ, Brehaut JC, Born J, Stockton C, Stanworth SJ, Eccles MP, Cuthbertson BH, Hyde C, Grimshaw JM. A cross-country comparison of intensive care physicians' beliefs about their transfusion behaviour: a qualitative study using the Theoretical Domains Framework. *Implement Sci* 21;7:93, 2012

Jain MD, Cabrerizo-Sanchez R, Karkouti K, Yau T, Pendergrast JM, Cserti-Gazdewich CM. Seek and you shall find-but then what do you do? Cold agglutinins in cardiopulmonary bypass and a single-center experience with cold agglutinin screening before cardiac surgery. *Transfus Med Rev* 27:65-73, 2013

Jerath A, Roscoe A, Vegas A. Normal upper esophageal transesophageal echocardiography views. *Anesth Analg* 115:507-510, 2012

Johnston BC, Donen R, Pooni A, Pond J, Xie F, Giglia L, Kam A, Bhamber A, Bami K, Patel Y, Guyatt GH. A Conceptual Framework of Health Related Quality of Life in Pediatric Acute Gastroenteritis. *J Pediatr Gastroenterol Nutr* 56:280-289, 2013

Johnston BC, Ma SS, Goldenberg JZ, Thorlund K,

Vandvik PO, Loeb M, Guyatt prevention of Clostridium difficile-associated diarrhea: systematic review and meta-analysis. *Ann Intern Med* 157:878-888, 2012

Johnston BC, Patrick DL, Busse JW, Schunemann HJ, Guyatt GH. Patient-reported outcomes in meta-analyses - Part 1: assessing risk of bias and combining results. *Health Qual Life Outcomes* 1;11:109, 2013

Johnston BC, Patrick DL, Thorlund K, Busse JW, da Costa BR, Schunemann HJ, Guyatt GH. Patient-reported outcomes in meta-analyses - Part 2: assessing risk of bias and combining results. *Health Qual Life Outcomes* 1;11:109, 2013

Johnston BC, Thorlund K, da Costa BR, Furukawa TA, Guyatt GH. New methods can extend the use of minimal important difference units in meta-analyses of continuous outcome measures. *J Clin Epidemiol* 65:817-826, 2012

Joshi GP, Ankichetty SP, Gan TJ, Chung F. Society for Ambulatory Anesthesia consensus statement on preoperative selection of adult patients with obstructive sleep apnea scheduled for ambulatory surgery. *Anesth Analg* 115:1060-1068 Review, 2012

Junger WG, Rhind SG, Rizoli SB, Cuschieri J, Shiu MY, Baker AJ, Li L, Shek PN, Hoyt DB, Bulger EM. Resuscitation of traumatic hemorrhagic shock patients with hypertonic saline - without dextran - inhibits neutrophil and endothelial cell activation. *Shock* 38:341-350, 2012

Karkouti K, Stukel TA, Beattie WS, Elsaadany S, Li P, Berger R, Wijeyesundera DN.

Relationship of erythrocyte transfusion with short- and long-term mortality in a population-based surgical cohort. *Anesthesiology* 117:1175-1183, 2012

Karkouti K. Transfusion and risk of acute kidney injury in cardiac surgery. *Br J Anaesth* 109 Suppl 1:i29-i38 Review, 2012

Kasenda B, Elm EB, You J, Blümle A, Tomonaga Y, Saccilotto R, Amstutz A, Bengough T, Meerpohl JJ, Stegert M, Tikkinen K, Neumann I, Carrasco-Labra A, Faulhaber M, Mulla S, Mertz D, Akl EA, Bassler D, Busse JW, Ferreira-González I, Lamontagne F, Nordmann A, Rosenthal R, Schandelmaier S, Sun X, Vandvik PO, Johnston BC, Walter MA, Burnand B, Schwenkglenks M, Bucher HC, Guyatt GH, Briel M. Learning from Failure - Rationale and Design for a Study about DISCOntinuation of Randomized Trials (DISCO study). *BMC Med Res Methodol* 12:131, 2012

Katznelson R, Djairani G, Naughton F, Wasowicz M, Ragoonanan T, Duffin J, Fedorko L, Murphy J, Fisher JA. Post-operative hypercapnia-induced hyperpnoea accelerates recovery from sevoflurane anaesthesia: a prospective randomized controlled trial. *Acta Anaesthesiol Scand* 57:623-630, 2013

Kaushal A, Mc Donnell C, Davies MW. Partial liquid ventilation for the prevention of mortality and morbidity in paediatric acute lung injury and acute respiratory distress syndrome. *Cochrane Database Syst Rev* 2:CD003845, 2013

Kavanagh BP. Glucose in the ICU - Evidence, guidelines

and outcomes (Editorial). *N Engl J Med* 367:1259-1260, 2012

Kaw R, Chung F, Pasupuleti V, Mehta J, Gay PC, Hernandez AV. Meta-analysis of the association between obstructive sleep apnoea and postoperative outcome. *Br J Anaesth* 109:897-906, 2012

Khan J, Gill M, Clarke H. Onset of benign paroxysmal positional vertigo after total laparoscopic hysterectomy in the Trendelenburg position. *J Minim Invasive Gynecol* 19:798-800, 2012

Kim H, Bergman R, Matyal R, Khabbaz K, Mahmood F. Three-Dimensional Echocardiography and En-Face Views of the Aortic Valve: Technical Communication. *J Cardiothorac Vasc Anesth* 27:376-380, 2013

Kim H, Bergman R, Mahmood F. Percutaneous Closure of Atrial Septal Defects and 3-Dimensional Echocardiography - Ingenuity and Improvisation. *J Cardiothorac Vasc Anesth* 27:402-403, 2013

Kim N, Cheema-Dhadli S, Hare GMT, Cong CK, Halperin ML, Kamel KS, Mazer CD. Non-diuretic doses of furosemide-potential use for decreasing the workload of the renal outer medulla without magnesium wasting. *Nephron Physiol* 122:7-12, 2012

Kim N, Voicu L, Hare GMT, Cheema-Dhadli S, Chong CK, Chan SKW, Bichet DG, Halperin ML, Mazer CD. Response of the renal inner medulla to hypoxia: possible defense mechanisms. *Nephron Physiol* 121:1-7, 2012

Konge L, Annema J, Clementsen P, Minddal V,

Vilmann P, Ringsted C. Using Virtual-Reality Simulation to Assess Performance in Endobronchial Ultrasound. *Respiration* 86:59-65, 2013

Kozioł J, Gertler R, Manlhiot C, McCrindle B, Holtby H, Caldaroni CA, Taylor K.

The effect of intraoperative hypotension on the outcomes of initial hybrid palliation for single ventricle congenital heart disease: an historical cohort study. *Can J Anesth* 60:465-470, 2013

Kraeva N, Zvaritch E, Frodis W, Sizova O, Kraev A, MacLennan DH, Riazi S. CASQ1 gene is an unlikely candidate for malignant hyperthermia susceptibility in the North American population. *Anesthesiology* 118:344-349, 2013

Kraeva N, Zvaritch E, Rossi AE, Goonasekera SA, Zaid H, Frodis W, Kraev A, Dirksen RT, MacLennan DH, Riazi S. Novel excitation-contraction uncoupled RYR1 mutations in patients with central core

disease. *Neuromuscul Disord* 23:120-132, 2013

Lansdown A, McHardy P, Patel S, Nix CM, McCartney CJ. Survey of international regional anesthesia fellowship directors. *Local Reg Anesth* 6:17-24, 2013

Lecker I, Wang DS, Romaschin AD, Peterson M, Mazer CD, Orser BA. Tranexamic acid concentrations associated with human seizures inhibit glycine receptors. *J Clin Invest* 122:4654-4666, 2012

Lecker I, Yin Y, Wang DS, Orser BA. Potentiation of GABAA receptor activity by volatile anaesthetics is reduced by $\alpha 5$ GABAA receptor-preferring inverse agonists. *Br J Anaesth* 110 Suppl 1:i73-i81, 2013

Lee C, Russell T, Firat M, Cooper RM. Forces generated by Macintosh and GlideScope® laryngoscopes in four airway-training manikins. *Anaesthesia* 68:492-496, 2013

Levy AS, Hui SK, Bolz StS, Voigtlaender-Bolz J.

Translating microvascular research - an infrastructure for the routine functional assessment of human resistance arteries. *Canadian Journal of Cardiology* 28:S87, 2012

Lindner U, Ghai S, Spensieri P, Hlasny E, Van Der Kwast TH, McCluskey SA, Haider MA, Kucharczyk W, Trachtenberg J.

Focal magnetic resonance guided focused ultrasound for prostate cancer: Initial North American experience. *Can Urol Assoc J* 6:E283-286, 2012

Liu SS, Buvanendran A, Rathmell JP, Sawhney M, Bae JJ, Moric M, Perros S, Pope AJ, Poultides L, Della Valle CJ, Shin NS, McCartney CJ, Ma Y, Shah M, Wood MJ, Manion SC, Sculco TP. Predictors for moderate to severe acute postoperative pain after total hip and knee replacement. *Int Orthop* 36:2261-2267, 2012

Liu SS, Buvanendran A, Rathmell JP, Sawhney M, Bae

JJ, Moric M, Perros S, Pope AJ, Poultides L, Della Valle CJ, Shin NS, McCartney CJ, Ma Y, Shah M, Wood MJ, Manion SC, Sculco TP. A Cross-Sectional Survey on Prevalence and Risk Factors for Persistent Postsurgical Pain 1 Year After Total Hip and Knee Replacement. *Reg Anesth Pain Med* 37:415-422, 2012

MacLaren G, Dodge-Khatami A, Dalton HJ; Writing Committee, MacLaren G, Dodge-Khatami A, Dalton HJ, Adachi I, Almodovar M, Annich G, Bartlett R, Bronicki R, Brown K, Butt W, Cooper D, Demuth M, D'Udekem Y, Fraser C, Guerguerian AM, Heard M, Horton S, Ichord R, Jaquiss R, Laussen P, Lequier L, Lou S, Marino B, McMullan M, Ogino M, Peek G, Pretre R, Rodefeld M, Schmidt A, Schwartz S, Shekerdemian L, Shime N, Sivarajan B, Stiller B, Thiagarajan R. Joint statement on mechanical circulatory support in children: a consensus



review from the Pediatric Cardiac Intensive Care Society and Extracorporeal Life Support Organization. *Pediatr Crit Care Med* 14:S1-S2, 2013

Madadi P, Sistonen J, Silverman G, Gladly R, Ross CJ, Carleton BC, Carvalho JC, Hayden MR, Koren G. Life-threatening adverse events following therapeutic opioid administration in adults: Is pharmacogenetic analysis useful? *Pain Res Manag* 18:133-136, 2013

Mardimae A, Balaban DY, Machina MA, Battisti-Charbonney A, Han JS, Katznelson R, Minkovich LL, Fedorko L, Murphy PM, Wasowicz M, Naughton F, Meineri M, Fisher JA, Duffin J. The interaction of carbon dioxide and hypoxia in the control of cerebral blood flow. *Pflugers Arch* 464:345-351, 2012

Margarido CB, Dlacic A, Balki M, Furtado L, Carvalho JC. The epidural electric stimulation test does not predict local anesthetic spread or consumption in labour epidural analgesia. *Can J Anesth* 60:393-398, 2013

Margarido CB, Dlacic A, Balki M, Furtado L, Carvalho JC. The epidural electric stimulation test does not predict local anesthetic spread or consumption in labour epidural analgesia. *Can J Anesth* 60:393-398, 2013

Matava CT, Rosen D, Siu E, Bould DM. eLearning among Canadian anesthesia residents: a survey on podcast use and content needs. *BMC Med Educ* 23:13:59, 2013

Mazwi MJ, Brown DW, Marshall AC, Pigula FA, Laussen PC, Polito A, Wypij D,

Costello JM. Unplanned re-intervention is associated with increased mortality in neonates with critical congenital heart disease. *J Thorac Cardiovasc Surg* 145:671-677, 2013

McAuley DF, Laffey JG, O'Kane CM, Cross M, Perkins GD, Murphy L, McNally C, Crealey G, Stevenson M. HARP-2 investigators, Irish Critical care Trials Group - Hydroxymethylglutaryl-CoA reductase inhibition with simvastatin in Acute lung injury to Reduce Pulmonary dysfunction (HARP-2) trial protocol: A randomised, double-blind, placebo controlled trial of simvastatin in acute lung injury. *Trials* 13:170, 2012

Mehta NM, Costello JM, Bechard L, Johnson VM, Zurakowski D, McGowan FX, Laussen PC, Duggan C. Resting energy expenditure following Fontan surgery in children with single ventricle heart defect. *JPENJ Parenter Enteral Nutr* 36:685-692, 2012

Mehta V, Vasu TS, Phillips B, Chung F. Obstructive sleep apnea and oxygen therapy: a systematic review of the literature and meta-analysis. *J Clin Sleep Med* 15:9:271-279, 2013

Moghaddam Y, Lindsay R, Tolhurst J, Millan D, Siddiqui N. A case of sebaceous carcinoma arising in a benign cystic teratoma of the ovary and review of the literature. *Scott Med J* 58:e18-22, 2013

Morgan PJ, Cunningham L, Mitra S, Wong N, Wu W, Noguera V, Li M, Semple J. Surgical Safety Checklist Implementation in an Ambulatory Surgical Facility. *Can J Anesth* 60:528-538, 2013

Morgan PJ, Tregunno D, Pittini R, Tarshis J, Regehr G, Desousa S, Kurrek M, Milne K. Determination of the psychometric properties of a behavioural marking system for obstetrical team training using high-fidelity simulation. *BMJ Qual Saf* 21:78-82, 2012

Morrison AP, Hunter JM, Halpern SH, A Banerjee. Effect of intrathecal magnesium in the presence or absence of local anaesthetic with and without lipophilic opioids: a systematic review and meta-analysis. *Br J Anaesth* 110:702-712, 2013

Nair K, Pekhletski R, Harris L, Care M, Morel C, Farid T, Backx PH, Szabo E, Nanthakumar K. Escape capture bigeminy: Phenotypic marker of cardiac sodium channel voltage sensor mutation R222Q. *Heart Rhythm* 9:1681-1688.e1, 2012

Nandhakumar A, McCluskey SA, Srinivas C, Chandy TT. Liver transplantation: Advances and perioperative care. *Indian J Anaesth* 56:326-335, 2012

Narouze SN, Provenzano D, Peng P, Eichenberger U, Lee SC, Nicholls B, Moriggi B. The American Society of Regional Anesthesia and Pain Medicine, the European Society of Regional Anesthesia and Pain Therapy, and the Asian Australasian Federation of Pain Societies Joint Committee Recommendations for education and training in ultrasound-guided interventional pain procedures. *Reg Anesth Pain Med* 37:657-664, 2012

Nayak PP, Sheth J, Cox PN, Davidson L, Forte V, Manlhiot C, McCrindle BW, Schwartz S, Solomon M, Van Arsdell GS, Sivarajan VB. Predictive value of bronchosco-

py after infant cardiac surgery: a prospective study. *Intensive Care Med* 38:1851-1857, 2012

Niazi AU, Tait G, Carvalho JC, Chan VW. The use of an online three-dimensional model improves performance in ultrasound scanning of the spine: a randomized trial. *Can J Anesth* 60:458-464, 2013

Nissim R, Zimmermann C, Minden M, Rydall A, Yuen D, Mischitelle A, Gagliese L, Schimmer A, Rodin G. Abducted by the illness: A qualitative study of traumatic stress in individuals with acute leukemia. *Leukemia Research* 37:496-502, 2013

Ohye RG, Schonbeck JV, Eghtesady P, Laussen PC, Pizarro C, Shrader P, Frank D, Graham EM, Hill K, Jacobs JP, Kanter RK, Kirsh JA, Lambert L, Lewis AB, Ravishankar C, Tweddell JS, Williams IA, Pearson GA, Pediatric Heart Network Investigators. Cause, Timing and Location of Death in the Single Ventricle Reconstruction Trial. *J Thorac Cardiovasc Surg* 144:907-914, 2012

O'Leary JD, Odame I, Pehora C, Chakraborty P, Crawford MW. Effectiveness of preoperative screening for sickle cell disease in a population with a newborn screening program: a cohort study. *Can J Anesth* 60:54-59, 2013

Orser BA. Canadian Anesthesiologists' Society 2011 Royal College Lecture: Anesthesiology: A Profession at a Crossroads. *Can J Anesth* 59:882-888, 2012

Orser BA, Hyland S, UD, Sheppard I, Wilson CR. Review Article: Improving Drug Safety For Patients Undergoing Anesthesia

and Surgery. *Can J Anesth* 60:127-135, 2013

Pagé MG, Stinson J, Campbell F, Isaac L, Katz J. Pain-related psychological correlates of pediatric acute post-surgical pain. *J Pain Res* 5:547-558, 2012

Pagé MG, Stinson J, Campbell F, Isaac L, Katz J. Identification of pain-related psychological risk factors for the development and maintenance of pediatric chronic postsurgical pain. *J Pain Res* 6:167-180, 2013

Park E, Eisen R, Kinio A, Baker AJ. Electrophysiological white matter dysfunction and association with neuro-behavioral deficits following low-level primary blast trauma. *Neurobiol Dis* 52:150-159, 2013

Pasquali SK, Ohye RG, Lu M, Kaltman J, Caldarone CA, Pizarro C, Dunbar-Master-son C, Gaynor JW, Jacobs JP, Kaza AK, Newburger J, Rhodes JF, Scheurer M, Silver E, Sleeper LA, Tabbutt S, Tweddell J, Uzark K, Wells W, Mahle WT, Pearson GD, Pediatric Heart Network Investigators.

Variation in perioperative care across centres for infants undergoing the Norwood procedure. *J Thorac Cardiovasc Surg* 144:915-921, 2012

Peng PW. Tai chi and chronic pain. *Reg Anesth Pain Med* 37:372-382 Review, 2012

Perlas A, Mitsakakis N, Liu L, Cino M, Haldipur N, Davis L, Cubillos J, Chan V. Validation of a mathematical model for ultrasound assessment of gastric volume by gastroscopic examination. *Anesth Analg* 116:357-363, 2013

Perlas A, Wong P, Abdallah F, Hazrati LN, Tse C, Chan V.

Ultrasound-guided popliteal block through a common paraneural sheath versus conventional injection: a prospective, randomized, double-blind study. *Reg Anesth Pain Med* 38:218-225, 2013

Pichardo D, Luginbuehl IA, Shakur Y, Wales PW, El-Sohemy A, O'Connor DL. Effect of nitrous oxide exposure during surgery on the homocysteine concentrations of children. *Anesthesiology* 117:15-21, 2012

Pickworth T, Jerath A, DeVine R, Kherani N, Wąsowicz M. The scavenging of volatile anesthetic agents in the cardiovascular intensive care unit environment: a technical report. *Can J Anesth* 60:38-43, 2013

Pink LR, Smith AJ, Peng PW, Galonski MJ, Tumber PS, Evans D, Gourlay D, Gordon L, Bellingham G, Nijjar SS, Picard LM, Gordon AS. Intake assessment of problematic use of medications in a chronic noncancer pain clinic. *Pain Res Manag* 17:276-280, 2012

Rasmussen MB, Dieckmann P, Barry Issenberg S, Østergaard D, Søreide E, Ringsted CV. Long-term intended and unintended experiences after Advanced Life Support training. *Resuscitation* 84:373-377, 2013

Rastogi S, Bird L, Karsli C. Neuropathic pain in sickle cell disease triggered by Pain-Ease™. *Paediatr Anaesth* 23:463, 2013

Reader TW, Cuthbertson BH. Challenges in using high-fidelity simulation to improve learning and patient safety.

Resuscitation 83:1317-1318, 2012

Riad W, Moussa A, Wong DT. Airtraq™ versus Macintosh laryngoscope in intubation performance in the pediatric population. *Saudi J Anaesth* 6:332-335, 2012

Riad W, Chung F. Preoperative screening for obstructive sleep apnea in morbidly obese patients. *Int Anesthesiol Clin* 51:13-25, 2013

Riazi S, Bril V, Perkins BA, Abbas S, Chan VW, Ngo M, Lovblom LE, El-Beheiry H, Brull R. Can ultrasound of the tibial nerve detect diabetic peripheral neuropathy? A cross-sectional study. *Diabetes Care* 35:2575-2579, 2012

Rodin G, Yuen D, Mischitelle A, Minden MD, Brandwein J, Schimmer A, Marmar C, Gagliese L, Lo C, Rydall A, Zimmermann C. Traumatic stress in acute leukemia. *Psychooncology* 22:299-307, 2013

Rosenbloom BN, Khan S, McCartney C, Katz J. Systematic review of persistent pain and psychological outcomes following traumatic musculoskeletal injury. *J Pain Res* 6:39-51, 2013

Royse CF, Chung F, Newman S, Stygall J, Wilkinson DJ. Predictors of patient satisfaction with anaesthesia and surgery care: a cohort study using the Postoperative Quality of Recovery Scale. *Eur J Anaesthesiol* 30:106-110, 2013

Russell T, Riazi S, Kraeva N, Steel AC, Hawryluck LA. Ecstasy-induced delayed rhabdomyolysis and neuroleptic malignant syndrome in a patient with a novel variant in

the ryanodine receptor type 1 gene. *Anaesthesia* 67:1021-1024, 2012

Sahota JS, Carvalho JC, Balki M, Fanning N, Arzola C. Ultrasound estimates for midline epidural punctures in the obese parturient: paramedian sagittal oblique is comparable to transverse median plane. *Anesth Analg* 116:829-835, 2013

Seet E, Han TL, Chung F. Perioperative Clinical Pathways to Manage Sleep-Disordered Breathing. *Sleep and Anesthesia. Sleep Medicine Clinics* 8:105-120, 2013

Shachak A, Barnsley J, Montgomery C, Tu K, Jadad AR, Lemieux-Charles L. End-User Support for a primary care electronic medical record: a qualitative case study of one vendor's perspective. *Inform Prim Care* 20:185-195, 2012

Shaikh F, Brzezinski J, Alexander S, Arzola C, Carvalho JC, Beyene J, Sung L. Ultrasound imaging for lumbar punctures and epidural catheterisations: systematic review and meta-analysis. *BMJ* 26;346:f1720, 2013

Shao W, Wang D, Chiang YT, Ip W, Zhu L, Xu S, Columbus J, Belsham DD, Irwin DM, Zhang H, Wen X, Wang Q, Jin T. The Wnt signaling pathway effector TCF7L2 controls gut and brain proglucagon gene expression and glucose homeostasis. *Diabetes* 62:789-800, 2013

Sharma V, Fan J, Jerath A, Pang KS, Bojko B, Pawliszyn J, Karski JM, Yau T, McCluskey S, Wąsowicz M. Pharmacokinetics of tranexamic acid in patients undergoing cardiac surgery

with use of cardiopulmonary bypass. *Anaesthesia* 67:1242-1250, 2012

Sharma V, Chamos C, Valencia O, Meineri M, Fletcher SN. The impact of internet and simulation-based training on transoesophageal echocardiography learning in anaesthetic trainees: a prospective randomised study. *Anaesthesia* 68:621-627, 2013

Short J, Downey K, Bernstein P, Shah V, Carvalho JC. A single preoperative dose of gabapentin does not improve postcesarean delivery pain management: a randomized, double-blind, placebo-controlled dose-finding trial. *Anesth Analg* 115:1336-1342, 2012

Siddiq I, Park E, Liu E, Spratt SK, Surosky R, Lee G, Ando D, Giedlin M, Hare GMT, Fehlings MG, Baker AJ. Treatment of traumatic brain injury using zinc-finger protein gene therapy targeting VEGF-A. *J Neurotrauma* 29:2647-2659, 2012

Siddiqui N, Arzola C, Iqbal M, Sritharan K, Guerin L, Chung F, Friedman Z. Deficits in information transfer between anaesthesiologist and postanesthesia care unit staff: an analysis of patient handover. *Eur J Anaesthesiol* 29:438-445, 2012

Singh M, Liao P, Kobah S, Wijesundera DN, Shapiro C, Chung F. Proportion of surgical patients with undiagnosed obstructive sleep apnoea. *Br J Anaesth* 110:629-636, 2013

Sivarajan BV, Almodovar MC, Rodefeld MD, Laussen PC. Pediatric extracorporeal life support in specialized situations. *Pediatr Crit Care Med* 14:S51-61, 2013

Skene-Arnold TD, Luu HA, Uhrig RG, De Wever V, Nimick M, Maynes J, Fong A, James MN, Trinkle-Mulcahy L, Moorhead GB, Holmes CF. Molecular mechanisms underlying the interaction of protein phosphatase-1c with ASPP proteins. *Biochem J* 449:649-659, 2013

Siu M, Catton P, Jones J, Jadad AR. A pilot study examining the unmet needs of cancer survivors living with polypathology. *Current Oncology* 20:e266-269, 2013

Slinger P, Kilpatrick B. Perioperative lung protection strategies in cardiothoracic anesthesia: are they useful? *Anesthesiol Clin* 30:607-628 Review, 2012

Soneji N, Peng PW. Ultrasound-guided pain interventions - a review of techniques for peripheral nerves. *Korean J Pain* 26:111-124, 2013

Spadafora SM, Houston P, Levine M. A national curriculum in anesthesia: rationale, development, implementation, and implications. *Can J Anesth* 59:636-641, 2012

Spano VR, Mandell DM, Poublanc J, Sam K, Battisti-Charbonney A, Pucci O, Han JS, Crawley AP, Fisher JA, Mikulis DJ. CO2 blood oxygen level-dependent MR mapping of cerebrovascular reserve in a clinical population: safety, tolerability, and technical feasibility. *Radiology* 266:592-598, 2013

Stevens BJ, Harrison D, Rashotte J, Yamada J, Abbott LK, Coburn G, Stinson J, Le May S, Campbell F, CIHR Team in Children's Pain. Pain assessment and intensity in

hospitalized children in Canada. *J Pain* 13:857-865, 2012

Stewart A, Katznelson R, Kraeva N, Carroll J, Pickworth T, Rao V, Djaiani G. Genetic variation and cognitive dysfunction one year after cardiac surgery. *Anaesthesia* 68:571-575, 2013

Stinson JN, Isaac L, Campbell F, Brown S, Ruskin D, Gordon A, Galonski M, Pink L, Buckley N, Henry JL, White M, Laloo C, Karim A. Understanding the self-management needs of young adults with chronic pain: Perspectives of young adults and their providers. *Clin J Pain* 29:600-612, 2013

Strandbygaard J, Maagaard M, Larsen CR, Schouenborg L, Ottosen C, Ringsted C, Grantcharov T, Ottesen B, Sørensen JL. Development and validation of a theoretical test in basic laparoscopy. *Surg Endosc* 27:1353-1359, 2013

Strandbygaard J, Bjerrum F, Maagaard M, Winkel P, Larsen CR, Ringsted C, Gluud C, Grantcharov T, Ottesen B, Sorensen JL. Instructor feedback versus no instructor feedback on performance in a laparoscopic virtual reality simulator: a randomized trial. *Ann Surg* 257:839-844, 2013

Swart P, Chung F, Fleetham J. An order-based approach to facilitate postoperative decision-making for patients with sleep apnea. *Can J Anesth* 60:321-324, 2013

Sydor DT, Bould MD, Naik VN, Burjorjee J, Arzola C, Hayter M, Friedman Z. Challenging authority during a life-threatening crisis: the effect

of operating theatre hierarchy. *Br J Anaesth* 110:463-471, 2013

Tabbutt S, Ghanayem N, Ravishankar C, Sleeper LA, Cooper DS, Frank DU, Lu M, Pizarro C, Frommelt P, Goldberg CS, Graham EM, Krawczeski CD, Lai WW, Lewis A, Kirsh JA, Mahony L, Ohye RG, Simsic J, Lodge AJ, Spurrier E, Stylianou M, Laussen P; Pediatric Heart Network Investigators. Risk Factors For Hospital Morbidity and Mortality after the Norwood Procedure: A report from the Pediatric Heart Network Single Ventricle Reconstruction Trial. *J Thoracic Cardiovas Surg* 144:882-895, 2012

Tancredi FB, Gauthier CJ, Madjar C, Bolar DS, Fisher JA, Wang DJ, Hoge RD. Comparison of pulsed and pseudocontinuous arterial spin-labeling for measuring CO2-induced cerebrovascular reactivity. *J Magn Reson Imaging* 36:312-321, 2012

Tharmaratnam U, Balki M. Anesthetic management during labor and delivery: a 21-year review of women with cancer in a tertiary care center. *J Clin Anesth* 24:524-530, 2012

Thibodeau MA, Welch PG, Katz J, Asmundson GJ. Pain-related anxiety influences pain perception differently in men and women: a quantitative sensory test across thermal pain modalities. *Pain* 154:419-426, 2013

Thilen SR, Bryson CL, Reid RJ, Wijesundera DN, Weaver EM, Treggiari MM. Patterns of preoperative consultation and surgical specialty in an integrated healthcare system. *Anesthesiology* 118:1028-1037, 2013

Thorlund K, Imberger G, Johnston BC, Walsh M, Awad T, Thabane L, Gluud C, Devereaux PJ, Wetterslev J. Evolution of heterogeneity (I²) estimates and their 95% confidence intervals over time in large Cochrane meta-analyses. *PLoS One* 7:e39471, 2012

Todsen T, Henriksen MV, Kromann CB, Konge L, Eldrup J, Ringsted C. Short and long-term transfer of urethral catheterisation skills from simulation training to performance on patients. *BMC Med Educ* 25; 13:29, 2013

Tolsgaard MG, Todsen T, Sorensen JL, Ringsted C, Lorentzen T, Ottesen B, Tabor A. International multispecialty consensus on how to evaluate ultrasound competence: A Delphi consensus survey. *PLoS One* 8:e57687, 2013

Tsai JP, Baker AJ. Influenza – associated neurological complications. *Neurocrit Care* 18:118-130, 2013

Tweddell JS, Sleeper LA, McCrindle BW, Williams IA, Mahony L, Pizarro C, Ravishankar C, Cnota J, Frommelt PC, Pemberton V, Bradley S, Li JS, Puchalski M, Laussen PC, Jacobs JP, Pike N, Kirshbom P, Hirsch JC, Ohye RG; for the Pediatric Heart Network Investigators. Intermediate-Term Mortality and Cardiac Transplantation in Infants with Single-Ventricle Lesions: Risk Factors and Their Interaction with Shunt Type. *J Thoracic Cardiovasc Surg* 144:152-159, 2012

Uematsu S, Engelberts D, Peltekova V, Otulakowski G, Post M, Kavanagh BP. Dissociation of inflammatory mediators and function:

experimental lung injury in non-pulmonary sepsis. *Crit Care Med* 41:151-158, 2013

Vandvik PO, Santesso N, Akl EA, You JJ, Mulla S, Spencer F, Johnston BC, Brozek J, Kreis J, Brandt L, Zhou Q, Schunemann HJ, Guyatt GH. Formatting of GRADE Evidence Profiles and effects on guideline panellists' preferences, comprehension and accessibility to information. A randomized trial. *J Clin Epidemiol* 65:748-755, 2012

Van Zundert TC, Wong DT, van Zundert AA. The LMA-Supreme™ as an intubation conduit in patients with known difficult airways: a prospective evaluation study. *Acta Anaesthesiol Scand* 57:77-81, 2013

Wong GK, Arab AA, Chew SC, Naser B, Crawford MW. Major complications related to epidural analgesia in children: a 15-year audit of 3,152 epidurals. *Can J Anesth* 60:355-363, 2013

Vegas A, Meineri M, Jerath A, Corrin M, Silversides C, Tait G. Impact of online transesophageal echocardiographic simulation on learning to navigate the 20 standard views. *J Cardiothorac Vasc Anesth* 27:531-535, 2013

Vegas A, Jerath A. Upper esophageal transesophageal echocardiography views pathology. *Anesth Analg* 115:511-516, 2012

Vijenthira A, Stinson J, Friedman J, Palozzi L, Taddio A, Scolnik D, Victor C, Kirby-Allen M, Campbell F. Benchmarking pain outcomes for children with sickle cell disease hospitalized in a tertiary referral pediatric hospital. *Pain Res Manag* 17:291-296, 2012



Villar J, Zhang H, Blanco J, Slutsky AS. Year in Review 2011: Critical care-respirology. *Crit Care* 16:243, 2012

Walker MG, Allen L, Windrim RC, Kachura J, Pollard L, Pantazi S, Keating S, Carvalho JC, Kingdom JC. Multidisciplinary management of invasive placenta previa. *J Obstet Gynaecol Can* 35:417-425, 2013

Wang DS, Zurek AA, Lecker I, Yu J, Abramian AM, Avramescu S, Davies PA, Moss SJ, Lu WY, Orser BA. Memory Deficits Induced By Inflammation Are Regulated by α 5-subunit-containing GABAA Receptors. *Cell Rep* 2:488-496, 2012

Westerman M, Teunissen PW, Jørgensen RL, Fokkema JP, Siegert CE, Van der Vleuten CP, Scherpbier AJ, Ringsted C, Scheele F. The transition to hospital consultant: Denmark and Netherlands compared on preparedness for practice, perceived intensity and contextual factors. *Med Teach* 35:481-489, 2013

Wijesundera DN, Mamdani M, Laupacis A, Fleisher LA, Beattie WS, Johnson SR, Kolstad J, Neuman MD. Clinical evidence, practice guidelines, and β -blocker utilization before major

noncardiac surgery. *Circ Cardiovasc Qual Outcomes* 5:558-565, 2012

Wijesundera DN, Wijesundera HC, Yun L, Wąsowicz M, Beattie WS, Velianou JL, Ko DT. Risk of elective major noncardiac surgery after coronary stent insertion: a population-based study. *Circulation* 126:1355-1362, 2012

Wijesundera DN, Johnson SR. Surveys, samplings and botched US presidential election predictions. *Eur J Anaesthesiol* 29:462-464, 2012

Wong C, Lau E, Palozzi L, Campbell F. Pain management in children: Part 1 – Pain assessment tools and a brief review of nonpharmacological and pharmacological treatment options. *Can Pharm J (Ott)* 145:222-225, 2012

Wong C, Lau E, Palozzi L, Campbell F. Pain management in children: Part 2 – A transition from codeine to morphine for moderate to severe pain in children. *Can Pharm J (Ott)* 146:276-279, 2012

Wong DT, Yang JJ, Mak HY, Jagannathan N. Use of intubation introducers through a supraglottic airway to facilitate tracheal intubation:

a brief review. *Can J Anesth* 59:704-715 Review, 2012

Wong DT, Tam AD, Van Zundert TC. The usage of the Boussignac continuous positive airway pressure system in acute respiratory failure. *Minerva Anesthesiol* 79:564-570, 2013

Wong GW, Arab AA, Chew SC, Naser B, Crawford MW. Major complications related to epidural analgesia in children: A 15-year audit of 3,152 epidurals. *Can J Anesth* 60:355-363, 2013

Wong J, Abrishami A, Yang Y, Zaki A, Friedman Z, Selby P, Chapman KR, Chung F. A perioperative smoking cessation intervention with varenicline: a double-blind, randomized, placebo-controlled trial. *Anesthesiology* 117:755-764, 2012

Wong SW, Niazi AU, Chin KJ, Chan VW. Real-time ultrasound-guided spinal anesthesia using the SonixGPS® needle tracking system: a case report. *Can J Anesth* 60:50-53, 2013

Xiang YY, Chen X, Li J, Wang S, Faclier G, Macdonald JF, Hogg JC, Orser BA, Lu WY. Isoflurane regulates atypical type-A γ -aminobutyric acid receptors in alveolar type II epithelial cells. *Anesthesiology* 118:1065-1075, 2013

Yang Y, Chung F. A Screening Tool of Obstructive Sleep Apnea: STOP-Bang Questionnaire. *Sleep and Anesthesia: Sleep Med Clin* 8:65-72, 2013

Yang J, Noyan-Ashraf MH, Meissner A, Voigt-laender-Bolz J, Kroetsch JT, Foltz W, Jaffray D, Kapoor A, Momen MA, van Eede M, Henkelman M, Matthews SG, Lidington D, Husain M, Bolz SS. Proximal cerebral arteries develop myogenic responsiveness in heart failure via TNF α -dependent activation of SIP signaling. *Circulation* 126:196-206, 2012

Ye L, Luo CZ, McCluskey SA, Pang QY, Zhu T. Propofol attenuates hepatic ischemia/reperfusion injury in an in vivo rabbit model. *J Surg Res* 178:e65-70, 2012

Ye L, Wong DT, Liu J, Zhu T. Mallampati class does not affect the success rate of intubation through an intubating laryngeal mask airway with reverse tracheal tube direction. *Minerva Anesthesiol* 79:227-231, 2013

Yoshida T, Torsani V, Gomes S, Santiago RSS, Beraldo M, Tucci MR, Zin WA, Kavanagh BP, Amato MBP. Spontaneous Effort Causes Occult Pendelluft During Mechanical Ventilation. *Am J Respir Crit Care Med* 188:1420-1427, 2013

Young D, Harrison DA, Cuthbertson BH, Rowan K, TracMan Collaborators. Effect of early vs late tracheostomy placement on survival in patients receiving mechanical ventilation: the TracMan randomized trial. *JAMA* 309:2121-2129, 2013

Young D, Lamb SE, Shah S, MacKenzie I, Tunnicliffe W, Lall R, Rowan K, Cuthbertson BH; OSCAR Study Group. High-frequency oscillation for acute respiratory distress syndrome. *N Engl J Med* 368:806-813, 2013

Young ME, Razack S, Hanson MD, Slade S, Varpio L, Dore KL, McKnight D. Calling for a Broader Conceptualization of Diversity: Surface and Deep Diversity in Four Canadian Medical Schools. *Acad Med* 87:1501-1510, 2012

Zaffar N, Joseph A, Mazer CD, Nisenbaum R, Karkouti K, Tinmouth A, Peterson MD, Pavenski K, Callum J, Cser-ti-Gazdewich C, Shehata N. The rationale for platelet transfusion during cardiopulmonary bypass: an observational study. *Can J Anesth* 60:345-354, 2013

Zavorsky GS, Smoliga JM, Longo LD, Uhranowsky KA, Cadman CR, Duffin J, Fisher JA. Increased carbon monoxide

clearance during exercise in humans. *Med Sci Sports Exerc* 44:2118-2124, 2012

Zbieranowski I, Takahashi SG, Verma S, Spadafora SM. Remediation of residents in difficulty: a retrospective 10-year review of the experience of a postgraduate board of examiners. *Acad Med* 88:111-116, 2013

Zhang H, Villar J, Slutsky AS. Circulating histones: a novel target in acute respiratory syndrome? *Am J Respir Crit Care Med* 187:118-120, 2013

Zhang X, Zhang R, Zheng Y, Shen J, Xiao D, Li J, Shi X, Huang L, Tang H, Liu J, He J, Zhang H. Expression of gamma-aminobutyric acid receptors on neoplastic growth and prediction of prognosis in non-small cell lung cancer. *J Transl Med* 11:102, 2013

Zhong T, Wong KW, Cheng H, Ojha M, Srinivas C, McCluskey SA, Clarke H, Jacks L, Hofer SO. Transversus abdominis plane (TAP) catheters inserted under direct vision in the donor site following free DIEP and MS-TRAM breast reconstruction: a prospective cohort study of 45 patients. *J Plast Reconstr Aesthet Surg* 66:329-336, 2013

Non Peer-Reviewed Publications

Balki M. In the lab with Dr. Mrinalini Balki: Development of a new airway algorithm for obstetrics. *On-line Anesthesiology Supplement* pg2a.org, October 2012

Cooper RM. The Society for Airway Management: Elevating the Standard of Airway Safety.

American Society of Anesthesiologists. *Newsletter* 77:26-27, April 2013

Curley GF, Laffey JG. Cell therapy demonstrates promise for ARDS – but which cell is best? *Stem Cell Res Ther* 4:29, 2013

Fashler S, Katz J. F1000 Recommendation of [Oosterman J et al., *Pain Res Manag* 17:159-165. Faculty of 1000, 16 Jul 2012; <http://F1000.com/717948353#eval793453405>

Fashler S, Katz J. F1000 Recommendation of [Yang Z et al., *Pain* 2012 153:1742-

1748. Faculty of 1000, 13 Oct 2012; <http://f1000.com/717956875#eval793461420>

Gagliese L. Review of Handbook of pain relief in older adults: An evidence based approach, Second Edition. *Clin J Pain* 28:744-745, 2012

Gardner-Nix J, Newton RR, Stein PM. Mindfulness-Based Chronic Pain Management Course: eMindful Version. In: Beth McAuley of The Editing Company, editor(s). (Canada): The NeuroNova Centre; 2012

Katz J, Rosenbloom B. F1000 Prime Recommendation of [O'Donnell ML et al., Psychosom Med 2012] Faculty of 1000, 17 Dec 2012; <http://f1000.com/prime/717967602#eval793467255>

Katz J, Fashler S. F1000 Prime Recommendation of [Landrø N et al., Pain 2013]. In F1000Prime, 19 Mar 2013; <http://F1000Prime.com/717988262#eval793472581>

Kim H, Mahmood F. PRO vs CON (CON) Should Women Undergo Routine Screening For Abdominal Aortic Aneurysms. *Society of Cardiovascular Anesthesiologists Bulletin*; Vol 11, No 6. Dec 2012. (Pro-Con Editorial)

Lambert AS, Tousignant CP. Anesthesia and Ultrasound: Riding the waves. *Can J Anesth.* 60:1-5, 2012 (editorial)

Mc Donnell C. To Sleep Perchance to Dream - Quality in Pediatric Anesthesia. Paediatric International Patient Safety & Quality Community website. <http://www.pipsqc.org/BlogEvents/PIP-SQCBlog/tabid/89/EntryId/32/To-Sleep-Perchance-to-Dream-Quality-in-Pediatric-Anesthesia.aspx>

Rosenbloom B, Katz J. F1000 Recommendation of [Ciccone DS and Kline A, Pain 2012, 153:2055-2060. Faculty of 1000, 13 Oct 2012; <http://f1000.com/717957829#eval793462253>

Vegas A. Virtual Transthoracic Echocardiography. <http://pie.med.utoronto.ca/TEE/index.htm> November 2012.

Chapters In Books

Angle PA, Halpern SH, Silva M, Kiss A. Validity of endpoint Measurements. In: *Anesthesia and the Fetus*. Wylie - Blackwell Publishing, United Kingdom, 2013

Chinnappa V, Chung F. Chapter 45: What Criteria Should Be Used for Discharge after Outpatient Surgery? Evidence-Based Practice of Anesthesiology. 3rd edition. Fleisher LA (ed.) Elsevier Saunders, Philadelphia, PA 2013

Choi S. Analgesic Adjuvants in the Peripheral Nervous System. McCartney CJ, Choi S (Co-principal author) *Textbook of Regional Anesthesia*, 2nd edition, editor: Hadzic, A. August 2012

Cooper RM. Chapter 5: The Role of Rigid Fiberoptic Laryngoscopy. In *The Difficult Airway: Tools and Techniques for Clinical Management*. Glick D, Cooper R, Ovassapian A (eds.) Springer-Verlag, New York, 2012

Cooper RM, Lee C. Chapter 6: The Role of Video laryngoscopy. In *The Difficult Airway: Tools and Techniques for*

Clinical Management. Glick D, Cooper R, Ovassapian A (eds.) Springer-Verlag, New York, 2012

Cooper RM, Khan S. Chapter 50: Tracheal Extubation and Reintubation of the Difficult Airway. In *Benumof and Hagberg's Airway Management*, 3rd edition. Hagberg CA (ed.) Mosby, St. Louis, 2012

Cordovani D, Carvalho JCA, Boucher M, Farine D. Chapter 44: Carbetocin for Prevention of Postpartum Hemorrhage. In: *A Comprehensive Textbook of Postpartum Hemorrhage*. Arulkumaran S, Karoshi M, Keith LG, Lalode AB, B-Lynch C (eds.) 2nd edition. Sapiens Publishing, London, UK, 2012

Du L, Grewal K, White A, Devito I, Mai R. Anesthesia and Peri-Operative Management. In: *Toronto Notes: Comprehensive Medical Reference and Review for MCCQE I & USMLE II*. 28th edition. Klostranec JM, Kolin DL (eds.) Toronto Notes Medical Publishing, Toronto, 2012

Ellard L, Cooper RM. Chapter 16: Extubation of the Difficult



Airway. In: *The Difficult Airway: Tools and Techniques for Clinical Management*. Glick D, Cooper RM, Ovassapian A (eds.) Springer-Verlag, New York, 2012

Ellard L, Wong DT. Chapter 24: Anesthesia for Airway Panendoscopy. In: *Anesthesia for Otolaryngologic Surgery*, 1st edition. Abdelmalak B, Doyle JD (eds.) Cambridge University Press, UK, 2012

Ginosar Y, Reynolds F, Halpern SH, Weiner C. Anesthesia and the Fetus. John Wylie Publishing, 2013. Senior Responsible Author, Wylie - Blackwell Publishing, UK, 2013

Glick DB, Cooper RM, Ovassapian A (eds.)

Airway. An Atlas of Tools and Techniques for Clinical Management. Springer, New York, 2013

Halpern SH, Srebrnjak M. Chapter 38: Anesthesia for the Pregnant Patient with Immunological Disorders. In: *Shnider & Levinson's Anesthesia for Obstetrics* 5th edition. Lippincott, Williams & Wilkins, Philadelphia, PA, 2013

Halpern SH, Silva M. Chapter 28: The effects on the fetus of systemic vs neuraxial analgesia. In: *Anesthesia and the Fetus*. Wylie - Blackwell Publishing, UK, 2013

Hare GMT, Pavenski K. Anemia. The 5-Minute Anesthesia Consult. Nina

Singh-Radcliff (ed.)
Lippincott Williams & Wilkins,
Philadelphia, PA, 2013

Isaac L, Brown SC, Tyrrell J, McGrath PA. Chapter 5: Chronic Opioid Therapy in Childhood and Adolescence. Expert Decision Making on Opioid Treatment. Jane C. Ballantyne (ed.) Oxford University Press, New York, 2013

Karkouti K. Recombinant Activated Factor VII. In: 5-minute Anesthesia Consult. Singh-Radcliff N (ed.) Wolter Kluwer, Lippincott Williams & Wilkins, Philadelphia, PA, 2012

Laffey JG, Kavanagh BP. Chapter 14: Permissive Hypercapnia. In: Principles & Practice of Mechanical Ventilation (3rd Edition). McGraw-Hill Companies Inc, New York, USA, 2012

Manninen P, Rahimi E. Routine craniotomy for supratentorial masses. In: A practical Approach to Neuroanesthesia. Mongan PD, Soriano SG, Sloan TB (eds.) Wolters Kluwer/ Lippincott Williams and Wilkins Philadelphia, PA, 2013

Maynes J, Kangrga I. Cerebral Blood Flow Regulation. In: 5 Minute Clinical Consult: Anesthesia. Singh-Radcliff

N (ed) Lippincott Williams & Wilkins, Philadelphia, PA, 2012

Mazer CD, Hare GMT.

Update on strategies for blood conservation and homeostasis in cardiac surgery. In: Rosenblatt M, Burden AR, Butterworth JF, Wald SH (eds.) ASA Refresher course p59-69. Lippincott Williams & Wilkins, Philadelphia, PA, 2013

Peng PWH. Ultrasound for Pain Medicine Intervention: A Practical Guide. In: Peng's Education Series. Volume 1. Peripheral Structures. Peng PWH (ed.) iBook, Apple Inc. California, USA, 2013

Peng PWH. Ultrasound for Pain Medicine Intervention: A Practical Guide. In: Peng's Education Series. Volume 2. Pelvic Pain. iBook, Apple Inc. California, USA, 2013

Reitman-Ivashkov E, Flood P, Balki M. Chapter 11: Effects of anesthesia on uterine activity, progress in labor and outcomes. In: Shnider & Levinson's Anesthesia for Obstetrics. 5th edition. Suresh MS, Segal BS, Preston R, Fernando R, Mason CL (eds.) Lippincott Williams & Wilkins, Philadelphia, USA, 2013

Rosenberg H, Sambuughin N, Riazi S, Dirksen R. Malignant Hyperthermia Susceptibility.



In: GeneReviews at GeneTests: Medical Genetics Information Resource [database online]. Copyright, University of Washington, Seattle, USA, 1997-2013

Russell T, Cooper RM. Chapter 17: Anesthesia for Thyroid and Parathyroid Surgery. In: Anesthesia for Otolaryngologic Surgery. Abdelmalak B, Doyle DJ (eds.) Cambridge University Press, Cambridge, UK, 2012

Schuwirth L, Colliver J, Gruppen L, Kreiter C, Mennin S, Onishi H, Pangaro L, Ringsted C, Swanson D, van der Vleuten C, Wagner M. Chapter 4: Research on assessment practices. In: International best practices for evaluation in the health professions. McGaghie WC (ed.) Radcliffe Publishing Ltd, Abingdon, UK, 2013

Seet E, Chung F. Chapter 9: Anesthesia and Intraoperative Care of Elderly Surgery Patients. Springer-Verlag, Berlin Heidelberg, Germany, 2013

Soliman RW, Chung F. Chapter 9: Should all morbidly obese patients be evaluated for obstructive sleep apnea. In: Controversies in the Anesthetic management of the obese surgical patients. Leykin Y, Brodsky JB (eds.) Springer, New York, 2013

Wong DT. Airway management in the operating room of a morbidly obese patient in a "can't intubate, can't ventilate" situation. In: Management of the difficult and failed airway, 2nd edition. Hung O, Murphy MF (eds.) McGraw-Hill Companies Inc, New York, 2012

Invited Lecturers

Abrahamson, S

Canadian Critical Care Forum Residents Day, October 2012

"Ultrasound in Critical Care - you are blind without it"

Angle, P

- Obstetric Anesthesia Meeting Day, Toronto Anesthetic Practice Meeting, Toronto, Ontario, Canada, November 2012

"Labor analgesia: State of the art or state of the evidence?"

Arzola, C

- 10th Annual Obstetric Anesthesia Conference & Workshop, Mount Sinai Hospital, Toronto, Ontario, September 2012

"Can we make clinical use of gastric ultrasound assessment of pregnant women?"

"Ultrasound Workshop in Obstetric" (Spinal Ultrasound)

- Seminars in Health & Disease Course. Human Biology Program. Faculty of Arts and Science. University of Toronto, Toronto, Ontario, October 2012

"Pain Relief during Labor and Delivery"

- University Health Network, Annual Anesthesia Assistant Professional Development Day, Toronto, Ontario, November 2012.

"Spinal Ultrasound for Neuraxial Procedures"

- Anesthesia Practice Meeting, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2012

"Ultrasound for Neuraxial Blocks" (Workshop)

- 3rd World Congress on Regional Anaesthesia and Pain Therapy, Sydney, Australia, February 2013

"Major Obstetric Neuraxial Blockade" Ultrasound Workshop

- 4th Annual Comprehensive Regional Anesthesia Workshop, State University of New York, Buffalo, March 2013

"Spinal Ultrasound for Neuraxial Blocks" (Workshop)

- 45th Annual Society for Obstetric Anesthesia and Perinatology Meeting, San Jose, Puerto Rico, April 2013

"Ultrasound Workshop for Obstetric Anesthesia" Gastric Ultrasound

Awad, I

- Toronto Anesthesia Practice Meeting, Toronto, Canada, November 2012

"Challenging pain patients"

- U of T seminar for PGY2. Sunnybrook Hospital, Toronto, November 2012

"Ultrasound guided sciatic and ankle block"

Bahrey, L

- Department of Anesthesia and Pain Management, Grand Rounds, Toronto General Hospital, Toronto, Ontario, October 2012

"The Royal College Exam - An Update"

Baker, A

- Critical Care Canada Forum, Toronto, Ontario, CCCF/CCCS Residents Day, October 2012

"When ICU admission may not be helpful" (Moderator)

- Critical Care Canada Forum, Toronto, Ontario, October 2012

"Caring for the Brain-Injured Patient 1" (Moderator)

"Understanding Mild Traumatic Brain Injury"

- The Osgoode Certificate in Clinical Risk, Negligence and Claims Management in

Health Care, Toronto, Ontario, January 2013

"End of Life and Intensive Care"

- Popular Science Lectures, St. Michael's Hospital, Toronto, Ontario, April 2013

"Traumatic Brain Injury - it's deeper than you think"

- Annual Canadian Critical Care Review Program, Toronto, Ontario, June 2013

"Neurological Critical Care"

Balki, M

- 10th Annual Obstetric Anesthesia Conference & Workshop, Mount Sinai Hospital, Toronto, Ontario, September 2012

"Spinal Ultrasound Workshop"

"Oxytocin first...right...what comes next? The carboprost versus ergot debate. Session III" (Moderator)

- Anaesthetic Practice, Toronto, Ontario, November 2012

"Ultrasound for peripheral nerve blocks/neuraxial blocks & vascular access" (Workshop)

- Department of Obstetrics and Gynaecology Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, February 2013

"A team based approach to placenta percreta: The MSH experience"

- Toronto Anesthesia Symposium, Toronto, Ontario, April 2013

"Airway challenges in obstetric emergencies"

- 45th Annual Society for Obstetric Anesthesia and Perinatology Meeting, San Jose, Puerto Rico, April 2013

"Ultrasound Guided Regional Anesthesia" (Workshop)

- Department of Obstetrics and Gynaecology Grand Rounds, Mount Sinai Hospital, Toronto, Ontario, May 2013

"Uterotonic agents - An update"

Bhatia, A

- Department of Anesthesia and Pain Management, Toronto Western Hospital, Toronto, Ontario, November 2012

"Ultrasound for Pain Medicine" Workshop

- Pain & Symptom Management Rounds, Princess Margaret Hospital, Toronto, Ontario, November 2012

"Intrathecal analgesia for cancer related pain"

- American Association of Pain Management in Ultrasound, Nevada, Las Vegas, March 2013

"Ultrasound for cervical spine interventions"



- Department of Physical Medicine and Rehabilitation, Grand Rounds, University of Toronto, Toronto, Ontario, March 2013
“Interventional management for patients with low back pain”
 - Canadian Interventional Pain Conference, Hamilton, Ontario, April 2013
“Interventional techniques in pain management” Workshop
 - Department of Anesthesia and Pain Management, Toronto Western Hospital, Toronto, Ontario, April 2013
“Ultrasound for Pain Medicine”
 - American Association of Pain Management in Ultrasound, Washington, DC, April 2013
“Ultrasound for pain procedures- basic knobology and optimization”
 - Department of Anesthesia and Pain Management, Toronto Western Hospital, Toronto, Ontario, June 2013
“Self outpatient intravenous ketamine infusions for treatment of refractory neuropathic pain”
- Brull, R**
- American Society of Regional Anesthesia and Pain Medicine, Annual Spring Meeting and Workshops, Boston, Massachusetts, May 2013
“Ultrasound and Needle to Nerve Proximity”
“Ultrasound Physics And Knobology”
“Infraclavicular and Axillary Blocks” (Workshop)
“Intensive Upper Extremity Workshop” (Workshop)
- Byrick, R**
- Ontario Medical Association – Anesthesia section meeting, Septemeber 2012
“Update on CPSO activities for 2012”
 - St. Michael's Hospital Senior Management Retreat, October 2012
“Assessment of Physician Performance – CPSO model”
 - American Society of Anesthesiologists Meeting, Washington, DC, October 2012
“Workforce Job Actions in the Canadian Healthcare System”
 - Mendelson Lecture, University of Toronto, Toronto, Ontario, November 2012
“Safety and the Regulator”
- Campbell, F**
- The Hospital for Sick Children, Toronto, Ontario, Canada, Lunch time seminar series, September 2012.
“Pain Matters in Hospitalized Children - setting the context”
 - Series of lectures as part of the Pediatric Pain Education Program Curriculum, SickKids International, Dohar, Qatar, November 2012
“Pain Management; a series of presentations”
 - Pediatric Pain Symposium, SickKids International, Dohar, Qatar, November 2012
“Chronic Pain in Children and Youth; Evaluation and Management”
 - Faculty of Nursing, University of Toronto, Toronto, Ontario, Canada, Postgraduate nursing course (Continuing Education), November 2012
“Pain Management Strategies: Complex challenges for acute pain in the presence of chronic pain”
 - Perioperative Services Grand Rounds, The Hospital for Sick Children, Toronto, Ontario, Canada, November 2012
“Pain: it's not what you think...”
 - Interprofessional Pain Conference, The Hospital for Sick Children, Toronto, Ontario, Canada November 2012
“Conquering Procedural Pain”. Moderated Plenary Sessions and also Breakout session.
- Carvalho, J**
- University of Toronto Centre for the Study of Pain, Toronto, Ontario, Canada, Lecture on the UTCSP Interfaculty Pain Curriculum, March 2013
“Pain: Mechanisms and Manifestations”
 - Departmental Rounds, Dept of Anesthesia, The Hospital for Sick Children, Toronto, Canada, April 2013
“Pain; a Key Quality Indicator”
 - Fellows Rounds, Dept of Anesthesia, The Hospital for Sick Children, Toronto, Canada, April 2013
“Chronic Pain Matters”
 - Dental Centennial Gala-Education Day, The Hospital for Sick Children, Toronto, Canada, May 2013
“Dental pain matters: improving outcomes in pain management”
 - Plastic Surgery Rounds, The Hospital for Sick Children, Toronto, Canada, June 2013
“Complex Regional Pain Syndrome (CRPS) Matters”
- 57th Ontario Anesthesia Meeting, Toronto, Ontario, September 2012
“Obstetric anesthesia journal club: the year in review”
 - VII Conference on Obstetrics, Neonatology and Anesthesiology, Hospital e Maternidade Sao Luiz, Sao Paulo, Brazil, October 2012
“Labor analgesia: maternal and neonatal implications”
“Anesthetic management of intra and postpartum hemorrhage”
 - 59th Brazilian Congress of Anesthesiology, Belo Horizonte, Brazil, October 2012
“Current concepts in preeclampsia”
“Use of ultrasound in obstetric anesthesia”
“Strategies to optimize postpartum analgesia while minimizing side effects”
 - Visiting Professor, Department of Anesthesia, University of Mississippi Medical Center, Jackson, Mississippi, November 2012
“Ultrasound-assisted epidurals and spinals in obstetrics”
“Ultrasound based regional anesthesia workshop – epidurals and spinals”
 - 116th Japanese Society for Obstetric Anesthesia and Perinatology, Omiya Sonic City, Japan, December 2012
“Uterotonic agents: from basic science to clinical practice” (Keynote Speaker)
 - Department of Anesthesia, Saitama Medical University, Saitama, Japan, December 2012
“Management of postpartum hemorrhage”
 - Department of Anesthesia, National Center for Child Health and Development,

Tokyo, Japan, December 2012

"Uterotonic agents: from basic science to clinical practice"

- Department of Anesthesia, Jukei University, Tokyo, Japan, December 2012

"Spinal anesthesia for cesarean section"

- 65th Annual Post Graduate Assembly, New York, New York, December 2012

"Ultrasound-guided epidurals and spinals"

"Comprehensive Regional Anesthesia Hands-on, Cadaver and Live Models"

- 41st Annual Anesthesiology Review Course, University of Alabama, Birmingham, Alabama, February 2013

"Helping new mothers get ready to rock: how can anesthesiologists contribute to fast track postpartum recovery" Frederick R. Brosh Honorary Lecture

"Optimizing management of a growing problem: postpartum hemorrhage revisited"

"Ultrasound guided epidural catheter placement" (Workshop)

- 45th Annual Society for Obstetric Anesthesia and Perinatology Meeting, San Jose, Puerto Rico, April 2013

"Use of ultrasound in obstetric anesthesia: spinals and epidurals, vascular access, and TAP blocks workshop"

Chan, V

- Visiting Professor, Department of Anesthesia, Chaoyang Hospital, Beijing, China, September 2012

"Recent Advance and Future Trend in Ultrasound Guided Regional Anesthesia"

- Visiting Professor, Department of Anesthesia, Peking University No. 3 Hospital, Beijing, China, September 2012

"Recent Advance and Future Trend in Ultrasound Guided Regional Anesthesia"

- Visiting Professor, Department of Anesthesia, 2nd Affiliated Hospital of Wenzhou Medicine College, Wenzhou, China, September 2012

"Recent Advance and Future Trend in Ultrasound Guided Regional Anesthesia"

- Department of Anesthesia, Xijing Hospital, Xi'an, China, September 2012

"Recent Advance and Future Trend in Ultrasound Guided Regional Anesthesia"

- Zhongshan University 1st Affiliated Hospital, Guangzhou, China, September 2012

"Live Demonstration Ultrasound Guided Regional Anesthesia"

- Guangdong Provincial Hospital, Guangzhou, China, September 2012

"How to publish the papers in the international Journal"

"Recent Advance and Future Trend in Ultrasound Guided Regional Anesthesia"

- Timisoara Ultrasound Guided Regional Anesthesia Workshop, Timisoara, Romania, October 2012

"Brachial Plexus Below the Clavicle"

"Peripheral Upper Limb Blocks"

"Femoral /Saphenous Nerve Block"

"Sciatic Nerve (Popliteal) & Ankle Blocks"

"Neuraxial Block"

"Transversus Abdominis Block (TAP)/Iliioinguinal/ Iliohypogastric Nerve Block"

"Pig Phantom" (Workshop)

- Ultrasound Guided Nerve Block Workshop, Dubai, United Arab Emirates, October 2012



"Current Concept and Future Trends of Ultrasound Guided Regional Anesthesia"

- Department of Anaesthesia, King Edward Memorial Hospital, Mumbai, India, October 2012

"Basic Principles of Ultrasound for Regional Anesthesia. Live Demonstration in the Operating Room"

- 7th Advanced Regional Anaesthesia and Ultrasound Workshop, Hyderabad, India, October 2012

"Ultrasound for Regional Anesthesia - An Update"

"Ultrasound Guided Sciatic Nerve Block"

"Pro Con Debate- Dual Guidance with Peripheral Nerve Stimulation and Ultrasound. Lower Limb Blocks" (Workshop)

- Acute & Chronic Pain Symposium, Gurgaon, India, October 2012

"Ultrasound Guided Lower Limb Blocks"

"Ultrasound Guided Central Neuraxial Block"

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

"Workshop on Peripheral Nerve Blocks: Ultrasound, Simulation and Stimulation"

"Nerve Injury Following Regional Anesthesia: What Has Ultrasound Taught Us?"

- Multidisciplinary Musculoskeletal Ultrasound Symposium on Pain Management, Hong Kong, China, December 2012

"US Physic and Basic for Regional Anesthesia - a New Standard for Better Pain Management" Ultrasound Workshop

"Safety Precautions and Training Guidelines for Ultrasound Guided Regional Anesthesia and Pain Interventions".

- 66th Postgraduate Assembly, New York State Society of Anesthesiologists, New York, New York, December 2012

"Update on Ultrasound-Guided Regional Anesthesia"

- Visiting Professor, Department of Anesthesia, University of Pittsburgh, Pittsburgh, Pennsylvania, January 2013

"Regional Anesthesia and Ultrasound"

"Perioperative Use of Ultrasound for Anesthesia Practice"

- California Society of Anesthesiologists, Maui, Hawaii, January 2013

"Recent Advances in Ultrasound Guided Regional Anesthesia"

"Perioperative Use of Ultrasound in Anesthesia"

"Hot Topics in Regional Anesthesia/Analgesia"

- "Anticoagulation and Regional Anesthesia"*
- Department of Anesthesiology and Critical Care, University of Stellenbosch, Cape Town, South Africa, February 2013
- "Ultrasound Guide Regional Anesthesia- Current Concepts and Future Trends" (Visiting Professor)*
- South African Society of Anaesthesiologists Congress, Port Elizabeth, South Africa, March 2013
- "What's New in Regional Anaesthesia?"*
- "How Ultrasound is Changing the Role and Outcomes of Regional Anesthesia"*
- "Regional Anesthesia for Major Joint Surgery"*
- International Symposium on Spine and Paravertebral Sonography for Anaesthesia and Pain Medicine for Anaesthesia and Pain Medicine, Hong Kong, China, April 2013
- "Credentialing for Ultrasound Guided Regional Anesthesia: Is This The Way Forward?"*
- "Minimum Volume of Local Anaesthetic for Peripheral Nerve Blocks: Is it Desirable and How Low Can We Go?"*
- "Ultrasound Imaging of the Airway workshop"*
- "Bedside Quantitative Gastric Ultrasonography"*
- 20th Annual Anesthesia Symposium and Colorado Society of Anesthesiologists Annual Meeting, Colorado Springs, Colorado, April 2013
- "Ultrasound Guided Trunk, Paravertebral and Neuraxial Blocks"*
- "Perineural Catheters for Postoperative Pain Management"*
- "Hot Topics in Regional Anesthesia/Analgesia"*
- Department of Anesthesia and Pain Management, Toronto Western Hospital, Toronto, Ontario, May 2013
- "Introductory Ultrasound" Workshop*
- The 60th Annual Meeting of the Japanese Society of Anesthesiologists, Sapporo, Japan, May 2013
- "Global State and Trend of Ultrasound Guided Regional Anesthesia"*
- "Future Progress of Ultrasound Guided Regional Anesthesia"*
- "Hot Topics in Regional Anesthesia and Analgesia" (Keynote Speaker)*
- American Society of Regional Anesthesia and Pain Medicine, Boston, Massachusetts, May 2013
- "Comprehensive Workshop: Truncal and Paravertebral"*
- International Anesthesia Research Society, San Diego, California, May 2013
- "Advanced Ultrasound Guided Nerve Block" Workshop*
- "Resident Ultrasound" Workshop*



- "Ultrasound Guidance for Regional Anesthesia: Is There Evidence to Demonstrate Superiority Over Other Techniques?"*
- 3rd National Conference of the Academy of Regional Anaesthesia of India, Pune, India, June 2013
- "Is Ultrasound the Future?" (Keynote Speaker)*
- "Tips and Tricks for Ultrasound Guided Regional Anesthesia"*
- "Regional Anesthesia in Obese Patients" Clinical Forum*

Chandra, D

- OMA Anesthesia Meeting, Toronto, Ontario, Canada, September 2012
- "The Royal College Exam: Explanations & Preparations"*
- International Conference on Residency Education, Ottawa, Ontario, Canada, October 2012
- "Residency Stimulation with Simulation And Other Technologies To Embrace The 21st Century Learner"*

Chin, KJ

- Aesculap Academy (B. Braun), Singapore, Malaysia, July 2012
- "Ultrasound-Guided Central Neuraxial and Paravertebral Blockade. Advanced Regional Anaesthesia & Ultrasound-Guided Peripheral nerve Block Workshop"*
- University of Toronto Introductory Workshop for Ultrasound-Guided Nerve Blocks, Toronto, Ontario, September 2012
- "Sciatic Nerve: Popliteal Region"*
- "Sciatic Nerve: Ankle Region"*
- "Femoral Nerve: Inguinal Region"*
- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012
- "Introduction to Ultrasound-Guided Regional Anesthesia for Beginners" (Workshop)*
- "Ultrasound-guided Neuraxial Techniques" (an evidence-based review of the literature)*
- "PRO: We Need to Use More Ultrasound for Spinal Anesthesia"*
- 18th Regional Anesthesia & Pain Medicine Meeting Toronto, Ontario, October 2012
- "Regional Ultrasound Workshop Advanced Blocks – TAP"*
- "Evidence-based Perioperative Management for Shoulder Surgery"*
- "Femoral nerve/Fascia iliaca/Saphenous Blocks"*
- 12th Regional Anaesthesia Course, East Surrey Hospital, Surrey, United Kingdom, November 2012
- "Clinical pearls for Common Blocks"*
- "Ultrasound-Guided Neuraxial and Paravertebral Blocks" (Keynote Speaker and Workshop)*
- 38th Annual Spring Meeting, American Society of Regional Anesthesia and Pain Medicine, Boston, Massachusetts, May 2013
- "Comprehensive Truncal-Paravertebral Workshop"*
- Wayne State University, Advanced Techniques in Acute and Chronic Pain Management Conference, Detroit, Michigan, May 2013
- "Ultrasound Imaging of the Lumbar Spine: How, When, and Why" (Keynote Speaker)*
- University of Toronto Introductory Workshop for Ultrasound-Guided Nerve Blocks, Toronto, Ontario, May-June, 2013
- "Femoral Nerve: Inguinal Region"*
- "Sciatic Nerve: Popliteal Region"*
- "Sciatic Nerve: Ankle Region"*

Choi, S

- 38th Annual Regional Anesthesia and Pain Medicine Workshops (Hands on workshop) American Society of Regional Anesthesia, Boston, USA, May 2013
"Ultrasound guided regional anesthesia, challenging anatomy and resident curriculum"

Chung, F

- 57th Meeting of Ontario Medical Association, September 2012
"PRO/CON – OSA Patients Need Postoperative Monitoring Protocols"
- 2nd Annual Meeting of The Society of Anesthesia and Sleep Medicine, October 2012
"STOP-Bang Screening: How to Make it Work?"
- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012
"Obstructive sleep apnea, what an anesthesiologist should know"
"Obstructive sleep apnea: Role in inflammation and perioperative approach"
- American College of Chest Physicians Annual Meeting, Atlanta, Georgia, October 2012
"Obstructive sleep apnea, Role of Perioperative CPAP"
- Regional Anesthesia and Pain Medicine Conference, Niagara-on-the-Lake, Ontario, October 2012
"Obstructive sleep apnea – GA vs Regional"
- Colorado Review of Anesthesia for SurgiCenters and Hospitals, Denver, Colorado, March 2013
"Hot Topics in Ambulatory Anesthesia"
"The Practical Approach to STOP-Bang Questionnaire"

and E&F (60) Management of Patients with Obstructive Sleep Apnea"

"Perioperative Management of the Morbidly Obese Patients – Size Does Matter"

- University of Toronto Centre for Sleep Medicine and Circadian Biology Rounds, Toronto, Ontario, April 2013
"STOPBang: How to make it work?"
- 32nd National Conference American Society of Perianesthesia Nurses, Chicago, Illinois, April 2013
"Anesthesia, Nursing and OSA: Risk and Opportunity"
"STOPBang Questionnaire: What is it and how to make it work for you"
- Hospital for Special Surgery, New York, New York, April 2013
"STOPBang Questionnaire and Perioperative Management of OSA Patients"
- Bev Leech Anesthesia Education Day, Saskatchewan Division of the Canadian Anesthesiologists' Society, April 2013
"Management of the Morbidly Obese ambulatory patients"
"The Obstructive Sleep Apnea Patient: What Should You Know?"
- International Anesthesia Research Society, San Diego, California, May 2013
"Size matters: Perioperative management of the morbidly obese"
"Preoperative Optimization of Outcomes"
- 54th Annual McGill Anesthesia Update, Montreal, Quebec, May 2013
"Perioperative Management of OSA"

Clarke, H

- Regional Anesthesia and Pain Meeting, Niagara-on-the-Lake, Ontario, October 2012

"Ron Needs Lecture: Acute Pain Predictors"

- Department of Anesthesia, Southlake Regional Health Centre, Newmarket, Ontario, December 2012
"The Phenomics and Genomics of Chronic Postsurgical Pain"
- Best Practice in General Surgery (BPIGS), Toronto, Ontario, March 2013
"Pain Management in ERAS – Gabapentin"
- Pfizer Canada, Toronto, Ontario, May 2013
"Perioperative Pregabalin for Total Hip Arthroplasty"
- Workshop at the Annual Meeting of the Canadian Pain Society, Winnipeg, Manitoba, Canada, Friday May 10th, 2013
"Prevention of Chronic Post-Surgical Pain: From Bench To Bedside."

Cooper, R

- Visiting Professor, University of Witwatersrand, Johannesburg, South Africa, July 2012
"Oxygen delivery and uptake—calculating the meaning of life"
"Extubation of the Difficult Airway"
"New Airway Devices"
"Airway Workshop"
- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012
"Clinical Difficult Airway Workshop and Airway Simulation"
"Basic Adult Flexible Fiberoptic Intubation" (Workshop)
"Panel on Video laryngoscopy: Harnessing the value of video recording"
- University of Western Ontario, 10th Airway Workshop, London, Ontario, October 2012
"Strategies for extubation and reintubation of the difficult airway"
"Management of the patient with a Difficult Airway bracelet"
"Airway Management" (Workshop)
- University of Toronto, Department of Anesthesia, Professor Rounds, Toronto, Ontario, October 2012
"Extubation of the Difficult Airway"
- Canadian Academy of Dental Anesthesia, Toronto, Ontario, November 2012
"Laryngoscopy—Past and Future"
- University Health Network, Annual Anesthesia Assistant Professional Development Day, Toronto, Ontario, November 2012
"Laryngoscopy—Past and Future"
- Rescu Resuscitation Research, Toronto, Ontario, November 2012
"Emergent Airway Management—Update"
- St. Mary's Hospital, London, UK, November 2012
"GlideScope and Video laryngoscopy"
- Abergavenny General Hospital, Abergavenny, Wales, UK, November 2012
"Video laryngoscopy"
- Difficult Airway Society (UK) Annual Scientific Meeting, Cardiff [Caerdydd GB-CRD], Wales, November 2012
"Getting Value from the Video in Video laryngoscopy"
- North York General Hospital, Anesthesia Grand Rounds, November 2012
"Extubation of the Difficult Airway"
- Society for Airway Management Satellite Meeting, Chiang Mai, Thailand, January February 2013

- "New Developments in Airway Management"*
- "Extubation of the Difficult Airway"*
- "Video laryngoscopy" (Workshop)*
- XVII Curso Teórico-Practico De Manejo de la Vía del la via Aérea e Intubación Difícil, Valencia, Spain, February 2013
- "Getting More Value from the Video in Video laryngoscopy"*
- "Video laryngoscopy" (Workshop)*
- Toronto Anesthesia Symposium, Toronto, Ontario, April 2013
- "Extubation of the Difficult Airway"*
- "Airway Management" (Workshop)*
- The European Society of Anaesthesiology, Annual Scientific Meeting, Barcelona, Spain, May - June 2013
- "Teaching the Teachers: Video Laryngoscopy" (Workshop)*
- "Airway Management: Rigid Video Laryngoscopy" (Workshop)*
-
- Cox, P**
- IX Pediatric & Neonatal Mechanical Ventilation Symposium. Sao Paolo, Brazil, August 2012
- "Evolution & Adaptation, Respiratory mechanics in ARDS."*
- Critical 4 Africa Conference. South Africa, August 2012
- "Quality of Care , Communication, Early de-intensification- who and how?"*
- Canadian Critical Care Congress. British Columbia, Canada. January 2013
 - Dept of Physiology & Experimental Medicine Program. Toronto, Canada, March 2013
- "Artificial Ventilation"*
- Southlake Regional Centre. New Market, Ontario, Canada, March 2013
- "Paediatric Grand Rounds"*
- Transport Consensus Conference. ORNGE Headquarters. Mississauga, Ontario, Canada. May 2013
-
- Curley, G**
- St Michael's Hospital Grand Rounds, Toronto, (Continuing Education) September 2012
- "Mesenchymal Stem Cells for Repair of the Injured Lung"*
- St Michael's Hospital Grand Rounds, Toronto, (Continuing Education) February 2013
- "Mesenchymal Stem Cells for Repair of the Injured Lung"*
- University of Toronto, Shields Day Research in Progress Lecture, May 2013
- "Harnessing Mesenchymal Stem Cell Interactions in ARDS and Sepsis - Making Each Cell Matter"*
- Queens University Belfast Symposium, Cell Based Therapy – The Future, June 2013
- "Cell therapy for ARDS - can we make it even better?"*
- Intensive Care Society of Ireland, Annual Meeting, Dublin, 2013
- "Is it possible to repair the injured lung?"*
-
- Cuthbertson, B**
- Annual conference of the UK Division of Health Psychology, England, Liverpool, United Kingdom, September 2012
- "Do elicitation studies really identify important beliefs? A test of the cognitive accessibility assumption in a multinational Delphi study set in critical care"*
- Federation of Healthcare Societies/Healthcare Infection Society Annual Meeting, England, Liverpool, United Kingdom, November 2012
- "Evaluating the clinical and cost effectiveness of educational interventions for preventing vascular catheter bloodstream infections in critical care."*
- Department of Critical Care Medicine, The Hospital for Sick Children, Toronto, Ontario, April 2013
- "Team Work in the ICU, Research Rounds"*
-
- Devito, I**
- Mississauga Academy of Medicine: Faculty Development Symposium, Mississauga, Ontario, September 2012
- "Teaching Anesthesia in the Real World: Undergraduate Medical Education" (Keynote Speaker)*
- 18th Regional Anesthesia and Pain Medicine Conference, Niagara-on-the-Lake, Ontario, October 2012
- "Team Interactions in the Operating Room: The Andrew Anelevitz Lecture"*
- Faculty Development Day, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2012
- "Undergraduate Education: Teaching Medical Students" (Workshop)*
- Anesthesia Practice Meeting, University of Toronto, Department of Anesthesia, Toronto, Ontario, November 2012
- "Obstetrical Morbidity and Mortality: Review of Cases"*
- Mississauga Hospital Grand Rounds, Mississauga, Ontario June 2013
 - "Undergraduate Medical Education – UTM"
-
- Djaiani, G**
- Latvian Association of Anaesthesiologists, Organized by European Society of Anaesthesiologists, Satellite Meeting, Riga, Latvia, September 2012
- "TEE in cardiac surgery and ICU"*
- The Association of Anaesthesiologists of Great Britain and Ireland, Bournemouth, UK, September 2012
- "POCD: How much is down to the anaesthetist?" (Keynote Speaker)*
- "Future in cardiac anaesthesia research"*
- 13th International Congress of Cardiothoracic and Vascular Anesthesia - combined with the New Zealand Society of Anaesthetists (NZSA), Auckland, New Zealand, November 2012
- "LVAD and perioperative management"*
- Organized by Mount Sinai Hospital, New York, USA, Curacao, Caribbean, January 2013
- "Factor VIIa. Anesthesia Update"*
- Webinar, Hospira, Toronto, Ontario, April 2013
- "Optimal sedation in intensive care unit"*
-
- Everett, T**
- SIM-one Ontario Simulation Organization, Toronto, Ontario, Canada, December 2012
- "Highlights of Research Abstracts" - Expert reviewer of research abstracts submitted.*
- Royal College of Physicians and Surgeons of Canada Simulation Summit, Ottawa, Ontario, Canada, November 2012, Presenter(s): Everett T, Ng E, Tolchard S, Marsh C, Power D, Shadrina A, Bould D (oral presentation)
- "Evaluating performance in pediatric anesthesiology simulation: piloting tools for the Managing Emergencies in Pediatric Anesthesia (MEPA) course"*
- Managing Emergences in Paediatric Anaesthesia,

Network Annual National Meeting, Portsmouth, United Kingdom, May 2013, Presenter

"MEPA Research Progress Report"

- International Pediatric Simulation Society, New York, New York, United States, April 2013, Presenter(s): Everett T, Ng E, Tolchard S, Marsh C, Power D, Shadrina A, Bould D. (oral presentation)

"Evaluating performance in pediatric anesthesiology simulation: piloting tools for the Managing Emergencies in Pediatric Anesthesia (MEPA) course"

- The Hospital for Sick Children, Toronto, Ontario, Canada, June 2013, Presenter(s): Everett T, Ng E, Goh N, Cyr J.

"Managing Emergencies in Paediatric Anaesthesia (MEPA) International Telesimulation"

Fisher, J

- Department of Radiology and the Department of Radiotherapy, University of Utrecht, Netherlands, July 2012

"Systematic control of blood gases with 7T Magnetic Imaging for imaging brain and tumor vascular reactivity"

- Hospital for Sick Children Department of Anesthesia, Grand Rounds, September 2012

"Pseudocontinuous non invasive cardiac output—and no fudge factors"

- First Affiliated Hospital of Guangzhou Medical College Respiratory Disease conference. Guangzhou, PRC, October 2012

"Respiratory clearance of carbon monoxide" (Keynote talk)

- Grand Rounds, Kingston General Hospital. Kingston, Ontario, October 2012

"The steal phenomenon in vascular stress tests: heart and brain".

- Cardiology rounds. Queens University. Kingston, Ontario, October 2012.

"Non-invasive cardiac output: overcoming previous accuracy limitations"

Gagliese, L

- IASP Special Interest Group Research Meeting on Pain in Older Persons, World Congress of Pain, Milan, Italy, August 2012

"Pain and aging: setting a research agenda"

"Pain in the older person: open panel" (Chair)

"Pain in older people: the importance of the situational context" (Chair)

- Annual Scientific Meeting: Building Research Capacity in Pain, University of Toronto, Centre for the Study of Pain, Toronto Ontario, February 2013

"Being and Becoming a Pain Researcher" (Panel member)

- Calgary Chronic Pain Symposia Series, Alberta Health Services, Calgary, Alberta, February 2013

"At my age... Examining adjustment to pain across the adult lifespan. Pain and Aging: Do the rules change"

- Annual Meeting of the Canadian Pain Society, Winnipeg, Manitoba, May 2013

"Pain in older cancer patients with delirium at the end of life: Towards a standardized assessment protocol"

"Assessment of cancer pain across the lifespan: Evidence, challenges and future directions" (Chair)

Garavaglia, M

- Neuroanesthesia Combined Rounds (TWH-SMH) Toronto Western Hospital, Canada, September 2012

"Serum Lactate in Neurosurgical Patients"

- Anesthesia grand rounds – University Hospital, London, Ontario (Continuing Education), October 2012

"Understanding serum lactate during craniotomy"

- Anesthesia Grand Rounds- University Hospital, London, Ontario, Canada, Understanding Serum Lactate During Craniotomy, October 2012

"Understanding serum lactate during craniotomy"

- Breakfast of our Champions 2012 Research, Education and Patient Care: Blueprint for Quality Care, St. Michael Hospital, Li Ka Shing Knowledge Institute, University of Toronto, Toronto, November 2012

"Serum Lactate: A potential marker of tissue ischemia or metabolic dysfunction during prolonged craniotomy for brain tumor resection"

- International Anesthesia Research Society (IARS) Annual Meeting, San Diego, United States, May 2013

"Dexmedetomidine for complex patients undergoing awake craniotomy"

- Perioperative Research, Education, Posters & Presentations Day (PREPP) - Li Ka Shing Knowledge Institute, University of Toronto, Canada, May 2013

"Hyperlactatemia during Craniotomy: Evidence of muscle Hypoperfusion?"

"Dexmedetomidine for complex patients undergoing awake craniotomy"

Gardner-Nix, J

- Sunnybrook Health Sciences Centre, Hospitalists Rounds, Toronto, Ontario, Canada, May 2013

"Updating Chronic Pain Management with Mindfulness"

Goldszmidt, E

- 57th Meeting of Ontario Medical Association, September 2012

Tariff Report.

- Women and Infants Program, Mount Sinai Hospital, Toronto, Ontario, April 2013

"Meet the Anesthesiologist"

- 45th Annual Society for Obstetric Anesthesia and Perinatology Meeting, San Jose, Puerto Rico, April 2013

"Ultrasound or Vascular Access" Workshop

- 54th Annual McGill Anesthesia Update, Montreal, Quebec, May 2013

"The Parturient with Cardiovascular Disease"

Halpern, S

- Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, Obstetrical anesthesia for respiratory technologists, March 2013

"Obstetrical Anesthesia: Special problems including airway management. Respiratory technologists education day"

Hanlon, J

- American Society of Anesthesiologists Annual Scientific Meeting, Washington DC, October 2012

"Effect of Bilateral Scalp Nerve Blocks on Post-Operative Pain in Patients Undergoing Supratentorial Craniotomy and General Anaesthesia"

- North American Neuromodulation Society (NANS) 16th Annual Meeting, Las Vegas, December 2012

"Comparison of Ultrasound-Guided Versus Blind Intrathecal Pump Refill in Novice Trainees"

- University of Toronto, Department of Anesthesia Faculty Development Day, December 2012

- "Comparison of Ultrasound-Guided Versus Blind Intrathecal Pump Refill Among Novice Trainees"*
- North American Neuromodulation Society (NANS) 16th Annual Meeting, Las Vegas, Nevada, December 2012
- "Ultrasound-Guided Placement of a Paddle Lead onto Peripheral Nerves"*
- Filipino-Canadian Medical Society (FCMC), Ontario, Canada, Invited to speak about chronic pain and opioid management, May 2013
- "Opioids in Chronic Pain Management: Safe and Effective Prescribing"*
- SMH Department of Anesthesia, Ontario, Canada, Combined Grand Rounds, June 2013
- "Achieving Quality through Measurement Based Pain Management: Theory and Technology"*
-
- Hare, G**
- St. Michael's Hospital Li Ka Shing Knowledge Institute, September 2012
- "Tolerance of anemia-physiological mechanisms. Patient Blood Management. An idea who time has come"*
- Montreal Heart Institute, Department of Cardiovascular Anesthesiology, September 2012
- "Prospective Analysis of Methemoglobin as a Biomarker of Tissue Hypoxia During Acute Hemodilution in Patients Undergoing Heart Surgery"*
- American Society of Anesthesiologists annual meeting, Washington DC, October 2012
- "Physiological and Hypoxic Cellular Adaptation to Anemia and Hemodilution"*
- The 22nd David Power Memorial Lecture, University of Ottawa, Department of Anesthesia, October 2012
- "Anemia, β -Blockade and Surgery: The Perfect Storm for Perioperative Tissue Hypoxia and Adverse Patient Outcomes"*
- Canadian Cardiovascular Congress: 11th Annual Cardiovascular Trainee Day Focus on Translation, October 2012
- "Beta-Blockers in Perioperative Medicine: Can We Achieve Translational Success?"*
- Center for Free Radical Biology. University of Birmingham at Alabama, November 2012
- "Anemia and nitric oxide signaling"*
- Department of Anesthesiology, University at Buffalo, Buffalo, New York, June 2013
- "Translational approaches to defining the hemoglobin threshold for tissue hypoxia and adverse outcomes as a means to optimize transfusion therapy in cardiac surgery"*
- Department of Anesthesiology, Engelwood Hospital and Medical Center, Mount Sinai School of Medicine, Engelwood, New Jersey, May 2013
- "Anemia: Can we define hemoglobin thresholds for impaired oxygen homeostasis and suggest new strategies for treatment?"*
-
- Heggie, J**
- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012
- "Dissection of Porcine Hearts with Relation to TEE Images" (Interactive Web Lab with Dr. AR. Edwards)*
-
- Ho, A**
- St. Michael's Hospital, Perioperative Services Grand Rounds. Presenter(s): Ho, Alexander Siu-On (Continuing Education), January 2013
- "Electrical and Oxygen Supply Failure"*
-
- Hockmann, E**
- Canadian Critical Care Forum/ Canadian Critical Care Society (CCCF/CCCS) Presenter(s) Hockmann E, Goffi, A and Abrahamson, S, October 2012
- "Ultrasound in the ICU; You are Blind Without it"*
- Anaesthetic practice, Toronto, Canada, November 2012
- "A Cardiac Emergency in PAC"*
- North York General Hospital Dept of Anesthesia Grand Rounds North York, Ontario, Canada, April 2013
- "Perioperative MI; Mechanisms, Prevalence, Diagnosis, Management and Implications"*
- CCUS Annual Symposium: 2013 Challenging dogma in adult and paediatric acute care, Sainte-Justine University Health Center, Montreal Quebec Canada, May 2013
- "The Microcirculation"*
- "Unconventional Therapies; Searching for the Right Application"*
- Southlake Dept of Anesthesia Grand Rounds, Newmarket, Ontario, Canada, June 2013
- "How to avoid ultrasound guided central line associated complications"*
-
- Holtby, H**
- International Assembly for Pediatric Anesthesia, Washington, United States, October 2012
- "Pulse Oximetry Based Hemoglobin Determination"*
- Dept. of Anesthesia Rounds, The Hospital for Sick Children, Toronto, January 2013
- "Bleeding issues II: Massive Transfusion"*
- "Bleeding issues I: Antifibrinolytics"*
- "Neurological Complications and CHD"*
- Heart Centre's SickKids/George Brown Interprofessional Acute Care Paediatric Cardiology Certificate Course, Toronto (Continuing Education), February 2013
- "Patient Monitoring"*
- World Congress in Pediatric Cardiology and Cardiac Surgery. Capetown, South Africa. February 2013
- "Efficacy of Aprotinin and antifibrinolytics in heart surgery. World Congress Paediatric Cardiology and Cardiac surgery."*
- Dept. of Anesthesia Rounds, The Hospital for Sick Children, Toronto, March 2013
- "Anesthesia for Cardiac Catheterization"*
- Chinese Society of Pediatric Anesthesia, Guangzhou, China, May 2013
- "Evaluating New Equipment"*
- Dept. of Anesthesia Rounds, The Hospital for Sick Children, Toronto, June 2013
- "Survivor! Adult/Adolescent CHD"*
-
- Houston, P**
- Australian Society of Anesthesiologists, Australia, 2012
- "Sustainability of Healthcare - how do we move forward"*
- BCAS Annual Meeting, Vancouver, British Columbia, Canada, December 2012
- "Professionalism in Canadian Anesthesiology"*
- BCAS, Canada, December 2012
- "Physician Leadership - Anesthesia at a Crossroads"*
- Canadian Conference on Medical Education, Canada, April 2013

"Professionalism in Undergraduate Medical Education"

Jadad, A

- Barranquilla Chamber of Commerce, Barranquilla, Colombia, August 2012

"Continuum of Care and Remote Patient Monitoring" (Keynote Speaker)

- Colombian Congress on Periodontology, Santa Marta, Colombia, August 2012

"What is health?"

"Is our existence justified in the 21st Century?" (Keynote Speaker)

- World Cancer Leaders' Summit and 2012 UICC World Cancer Congress, Montreal, Quebec, August 2012

"mHealth Apps"

- Innovation Transform Symposium 2012. The Mayo Clinic. Rochester, New York, September 2012

"Do we really know what we mean by 'health'?" (Opening Keynote Lecture)

- Faculty of Dentistry of the Autonomous University of Puebla, Mexico, Puebla, Mexico, October 2012

"Decisiones Basadas En Evidencias and Se justifica nuestra existencia en el Siglo XXI?" (Keynote Speaker)

- OSDE Foundation International Seminar at Cordoba, Argentina, Cordoba, Argentina, October 2012

"Health systems: where are they going?" (Keynote Speaker)

- TECHNA 2012: information and communication technologies for health, Toronto, Ontario, October 2012

"Information and communication technologies for health: C.R.A.P."

- Canadian Summit on Sustainable Health and

Health Care, Toronto, Ontario, October 2012

"Canada: the land of Insurmountable Opportunities"

- Pfizer Science Institute, Bogota, Columbia, November 2012

"What would we ask a 'genie' willing to grant us one wish about the future of health?" Keynote Speaker

- 2012 Toronto Cancer Conference, Toronto, Ontario, November 2012

"Is it possible to live with cancer and be healthy?" (Keynote Speaker)

- Health Tourism of the Ministry of Trade, Industry and Tourism in Colombia, Bogota, Colombia, November 2012

"Hospitals and Entertainment: Opportunities to reinvent the health and wellness tourism in Colombia"

- Board of Directors Meeting of William Osler Health System, Brampton, Ontario, February 2013

"Improving the patient experience through excellent disruptive innovation." Keynote Speaker

- CIHR Strategic Training Program in Public Health Policy, University of Toronto, Toronto, Ontario, February 2013

"From public diseases to public health policy and beyond..." (Public Health Policy Rounds)

- Conference on Multimorbidities and the last phase of life, University of Edinburgh, Edinburgh, Scotland, February 2013

"Multimorbidity and end of life care: What's next?"

- EU Science Global Challenges Global Conference, Brussels, Belgium, March 2013

"Hippocratic Innovation- What's the next 'next'?"



- Pfizer, Cartagena, Colombia, March 2013

"New Definition of Health" Rheumatology Forum (Keynote Speaker)

- Catreda Europa, Universidad del Norte, Barranquilla, Colombia, March 2013

"Achieving a long, healthy and happy life, until the last breath: the most important challenge of our time"

- Congress on Integrated Care for the Elderly, Pfizer, Panama City, Panama, April 2013

"What do we mean by 'health'? The answer could revitalize Internal Medicine."

- Professor Rounds, Department of Anesthesia, University of Toronto, Toronto, Ontario, April 2013

"Looking beyond the OR: Is there a role for anesthesiologists in a 21st century health system?"

- Centre for Global eHealth Innovation, Lunch & Learn, Toronto, Ontario, April 2013

"Let's talk about love and happiness - An open conversation"

- Global Health Professional Advisory Initiative for Students (GHPAIS) at the Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario, April 2013

"Living a healthy and happy life till the last breath." Professional Development Speaker Series

- Think Tank on Adolescent Health, Brown University, Providence, Rhode Island, May 2013

"Adolescent-Centered Care: Promoting long, healthy and happy lives world-wide."

- Meeting of Deans of the Canadian Association of Allied Health Programs (ACCHP), Calgary, Alberta, May 2013

"What would we ask a 'genie' willing to grant us one wish about the future of education and clinical practice?" Keynote Speaker

- Patient Education Lunch & Learn session - Princess Margaret Hospital, Toronto, Ontario, May 2013

"Living a healthy and happy life with cancer: desirable and achievable"

- 2013 National Health Leadership Conference, Niagara Falls, Ontario, June 2013

"Driving action and implementation"

- CONGRESO COLOMBIATIC 2013, Bogota, Distrito Capital de Bogotá, Colombia, June 2013

"A healthy and happy life till the last breath: Challenge in the digital age" Keynote Speaker

- IEEE International Symposium on Technology and Society, Toronto, Ontario, June 2013

“Wearable computing and augmented reality”

Jariani, M

- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012
“Interesting Cases” Workshop

Jerath, A

- The cath lab. 57th Meeting of Ontario Medical Association, September 2012

“Anesthesia for Remote Locations”

- Department of Anesthesia and Pain Management, Toronto General Hospital, Toronto, Ontario, February 2013

“Assessment of right ventricular function, FOCUS’ teaching course”

- ERAS training group (BPIGS), Toronto, Ontario, April 2013

“A Role of Epidurals for ERAS”

- Department of Critical Care Medicine, Grand Rounds, St. Michael’s Hospital, Toronto, Ontario, April 2013

“A Volatile agents for long-term ICU sedation”

Joshi, M

- Faculty Development Day, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2012

“Evaluating Medical Students”

Karkouti, K

- Ontario Anesthesia Meeting, Toronto, Ontario, September 2012

“Anemia and Outcomes”

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

“Prevention and treatment of anemia in cardiac surgery”

- University Health Network, Department of Nephrology, Grand Rounds, Toronto,

Ontario, Canada, December 2012

“Transfusion and acute kidney injury”

- Mount Sinai School of Medicine (NY) Annual Symposium. Willemstad, Curacao, January 2013

“Transfusion Trigger: Balancing the risks of anemia versus transfusion”

- University of Toronto, Transfusion Medicine Retreat, Toronto, Ontario, Canada, April 2013

“Perioperative transfusion triggers”

- Blood and Beyond, Halifax, Nova Scotia, Canada, April 2013

“Antifibrinolytic drugs”

“Current status on the off label use of recombinant activated factor VII”

- European Society of Anaesthesiology, Barcelona, Spain, June 2013

“Chair of Symposium, Perioperative bleeding: haemostatic therapy in cardiovascular surgery and obstetric emergencies”

- University Health Network, Toronto General Hospital, Department of Anesthesia and Pain Management, June 2013

“Improving Outcomes with Point-of-Care Hemostasis Testing in Cardiac Surgery?”

- Perioperative Anesthesia Clinical Trials Meeting, Calgary, Alberta, Canada, June 2013

“Update on ATTACK”

“A cluster randomized trial to access the efficacy of point of care based algorithms”

Karsli, C

- Division of Urology, University of Toronto, Toronto, Ontario, Canada, August 2012

“Anesthesia for Laparoscopic Surgery in Children”

- Society for Airway Management, Toronto, Ontario, Canada, September 2012

“Pediatric Fiberoptic and Videolaryngoscopic Intubation”

- Toronto Anesthesia Symposium, Toronto, Ontario, Canada, November 2012

“Pediatric Airway Management - Routine and Difficult”

- University of Western Ontario, London, Ontario, Canada, (Trainee Presentation) May 2013

- PGY-5 Royal College Exam Preparation

- North York General Hospital Dept of Anesthesia, North York, Ontario, Canada, April 2013

“Pediatric Airway Management - Beyond the Routine”

- University of Toronto, Toronto, Ontario, Canada, April 2013

“Pediatric fiberoptic bronchoscopy and videolaryngoscopy”

- University of Toronto, Toronto, Ontario, Canada, April 2013

“PBLD - 10 year old with Down Syndrome for dental surgery”

- Division of Otolaryngology, University of Toronto, Toronto, Ontario, Canada, April 2013

“Pediatric Difficult Airway Management”

Kataoka, M

- Philippine Society of Anesthesiologists Negros Occidental, Bacolod City, Negros Occidental, Philippines, Feb 2013

“ECHO for Anaesthetists”

Katz, J

- 14th World Congress on Pain, Milan, Italy, August 2012

“Characteristics of PTSD in relation to acute and chronic pain. Topical Workshop: The Interplay of Post-Traumatic Stress Disorder (PTSD),

Stress and Pain in the Wake of Trauma”

- 51st International Spinal Cord Society Annual Scientific Meeting, London, United Kingdom, September 2012

“Predicting health preference in spinal cord injury”

- 67th Annual Meeting of the American Society for Surgery of the Hand, Chicago, Illinois, September 2012

“Patient Specific Functional Scale: Validity in patients with upper extremity nerve injury”

- University of Regina and University of Saskatchewan Inter-Professional Pain Conference, Regina, SK, January 2013

“Biopsychosocial factors involved in the transition from acute to chronic pain after surgery” (Keynote Address)

- 34th Annual Conference of the Canadian Pain Society, Winnipeg, Manitoba, May 2013

“Deception in experimental human pain research: Is there an alternative? Symposium on Ethical Controversies in Pain Research”

“Risk and Protective Factors associated with Chronic Post-surgical Pain. Symposium on Prevention of Chronic Post-Surgical Pain: From Bench to Bedside”

“This won’t hurt a bit: Reflections on a “Painful” Career” Keynote Address, Distinguished Career Award

“Symposium on Ethical Controversies in Pain Research. Deception in experimental human pain research: Is there an alternative?”

- 4th Annual Meeting on Pediatric Pain, Tarragona/ Reus, Spain, May 2013

“The transition from acute to chronic pain after surgery in children”

Katznelson, R

- Canadian Academy of Dental Anaesthesia, Toronto, Ontario, November 2012

"What should we know about geriatric anesthesia"

- Department of Anesthesia and Pain Management, Grand Rounds, Toronto, General Hospital Toronto, Ontario, March 22, 2013

"Hyperbaric oxygen therapy: indications, side effects, complications"

Kavanagh, BP

- Paediatric Intensive Care Society (PICS) Annual Conference, Dublin, Ireland, September 2012

"Getting stuck with guidelines – Lessons from Glucose in ICU" (plenary lecture)

- 4th Congress of the European Academy of Paediatric Societies (EAPS), Istanbul, Turkey, October 2012

"Respiratory Failure" (Chair)

"Pro-Con debate: RCTs in ICU setting: sense or no sense" (CON)

"Control of Breathing" (Chair)

- American Society of Anesthesiologists (ASA) Annual Meeting, Washington, USA, October 2012

"We Give Too Much Fluid for High Risk Surgery" (Co-Chair)

- European Society of Intensive Care Medicine 25th Annual Congress, Lisbon, Portugal, October 2012

"Targeting normal values in critical illness – what is the rationale?"

"Molecular Mechanisms in Sepsis" (Chair)

"Open lung strategies during shock: balancing competing priorities"

"Pediatric respiratory insufficiency"

- ANZICS/ACCCN Intensive Care Annual Scientific Meeting, Adelaide, Australia, October 2012

"Acute lung injury" (paediatric plenary)

"Lessons learned from trials of PEEP"

"Was Nice-Sugar really Necessary?"

- Critical Care Canada Forum, Toronto, Canada, October 2012

"Plenary RCT: The CHEST Trial"(Co-Moderator)

"Do circulating mediators cause VILI"?

"Plenary address: Evidence-Based Guidelines for Sedation in 2012: Are We There"?(Co-Moderator)

- 42nd SCCM Critical Care Congress, San Juan, Puerto Rico, January 2013

"The Max Harry Weil Memorial Lecture - Plenary lecture"

"At the Bedside – What to Do and Who to Believe"

- Organ & Tissue Donation and Transplantation for System Improvement, Toronto, Canada, February 2013

"Improving organ donation: the paediatric perspective"

- 24th SMART Congress, Milan, Italy, May 2013

"Evidence based medicine: good and bad"

"VILI and circulating mediators: what do we know"?

- BiAnnual Controversies in Perioperative Medicine, Beaune, France, May 2013

"How valid are guidelines"?

"Tight glucose control may be a bad idea"

"Normalizing parameters can be a bad idea"

"How do mechanical ventilators injure lungs"?

"Are protocols useful"?

- 7th Alfred Advanced Mechanical Ventilation Conference (AAMVC), Melbourne, Australia, June 2013

"How ventilators injure lungs – one viewpoint"

"Testing therapies in ARDS – what happened to PEEP"?

"How good are your guidelines? Reasons for caution"

Khanduja, K

- Department of Anesthesia, Mount Sinai Hospital, Toronto, Ontario, May 2013

"Transesophageal echocardiography: Considerations for the Anesthesia Assistant"

Kim, H

- Harvard Perioperative Transesophageal Echocardiography and Annual Echo Boards Review Course, Boston, Massachusetts, September, 2012

"Physics and Hemodynamics - Echo Boards Review"

- Annual Harvard Anesthesia Research Night Poster Presentations, Boston, Massachusetts, October, 2012

"Changes in Mitral Annular Geometry After Aortic Valve Replacement: A Three-Dimensional Transesophageal Echocardiographic Study"

- Annual Harvard Anesthesia Research Night Poster Presentations, Boston, Massachusetts, October, 2012

"Right ventricle myocardial performance in patients undergoing elective coronary artery bypass graft surgery"

- Boston, Massachusetts, May 6, 2013

"Harvard Anesthesia Update: TEE Workshop with Advanced Simulators"

- 2013 Society of Cardiovascular Anesthesiologists 35th Annual Meeting and Workshops, Miami Beach, Florida, June 2013

"Dynamic Mitral Annular Geometry Following Partially-Flexible Annuloplasty"

"Assessment of Aortic Valve Geometry by 3-Dimensional Transesophageal Echocardiography"

"Assessment of Transthoracic Echocardiography Training by Simulation Through Kinematic Metrics"

Kirkham, K

- University Health Network, Toronto Western Hospital, Toronto, Ontario, September 2012

"Basic Ultrasound for Regional Anesthesia" Course and Workshop

- Regional Anesthesia and Pain Medicine Conference, Niagara-on-the-Lake, Ontario, October 2012

"Ultrasound Guided Peripheral Nerve Blockade"

- American Society of Regional Anesthesia and Pain Medicine, Boston, Massachusetts, May 4, 2013

"Ultrasound-Guided Transversus Abdominis Plane (TAP) Block for Laparoscopic Gastric-Bypass Surgery: a Prospective Randomized Controlled Double-Blinded Trial"

- University Health Network, Toronto Western Hospital, Toronto, Ontario, May 31, 2013

"Basic Ultrasound for Regional Anesthesia" Course and Workshop

- Regional Anesthesia Symposium, Centre Hospitalier Universitaire Vaudois - Dr. E Albrecht, Lausanne, Switzerland, June 6, 2013

"Ultrasound-guided regional anesthesia"

- University Health Network Pain Resource Nurse Program University Health Network, Toronto, Ontario, June 11, 2013

"Benefits of Regional Anesthesia: Pain control and beyond"

Laffey, J

- American Thoracic Society Annual Conference, 2012
“*In vivo inhibition of pulmonary nuclear factor kappa-B attenuates ventilator induced lung injury*”
“*Investigation of the role of NF-kB in mediating the effects of metabolic acidosis on wound healing*”
“*Overexpression of Secretory Leukocyte Protease Inhibitor (SLPI) and Glutathione Peroxidase-3 (GPX-3) attenuate inflammation and oxidant mediated pulmonary epithelial injury*”
“*Inhibition of pulmonary nuclear factor kappa-B modulates Acute and Chronic Pneumonia induced Lung Injury*”
“*The role of Intra-Tracheal versus Systemic delivery of Mesenchymal Stem Cells during recovery and resolution following Ventilator Induced Lung Injury*”
“*Human Mesenchymal Stem Cell-Conditioned Medium may be protective in Stretch-induced Pulmonary Epithelial Injury*”.
- European Society of Intensive Care Medicine Annual Conference, Lisbon, October 2012
“*Stem cells for ALI/ARDS*”
“*Hypercapnia. Friend or foe.*”
- Toronto Critical Care Medicine Symposium, Toronto, October 2012
“*Hypocapnia and the Injured Brain: More Harm than Benefit.*”
“*Prone position in ARDS – A randomized Clinical Trial.*”
“*Mesenchymal Stem Cells for ALI/ARDS: Promise and Pitfalls.*”
“*Buffering a permissive Hypercapnia – the Evidence.*”
“*Stem cells to speed recovery from ARDS.*”

Laussen, P

- Critical Care Canada Forum 2012, Toronto, Ontario, October 2012
“*Predicting Adverse Events Through Monitoring*”.
- American Academy of Orthopaedic Surgeons, Fall meeting, Philadelphia, PA, October 2012
“*Safety and Quality: Lessons from NASCAR and NASA*”.
- The Pediatric Cardiac Intensive Care Society, 9th International Conference, Miami, December 2012
“*The Future of monitoring data management: Real-time risk management and data interrogation*”
Debate: “*Con: Palliative care should be instituted for every patient with HLHS at the time of diagnosis*”
- 6th World Congress in Pediatric Cardiology and Cardiac Surgery, Cape Town, SA, February 2013
“*The anaesthetist as intraoperative intensivist*”.
- “*Inotropes: Current evidence for usage and future possibilities*”.
- “*Infection control as a cost saving investment*”.
- “*New approach to data capture and analysis in the ICU: T3*”.
- “*Perioperative Care: Quality and Safety*” Session co-moderator.
- University of Toronto Critical Care Medicine Residents’ Day, June 2013
“*Modifiable Risk... or Lack Thereof*”.

Levine, M

- Trillium Hospital, Mississauga, Ontario, Canada. Professional Development event, September 2012
“*Teaching Anesthesia in the Real World.*”

- 5th National IMG Symposium, Toronto, Ontario, Canada. Graduates, October 2012
“*Admission criteria for entry into Residency for International Medical Admissions Process for International Medical Graduates*”

Loffelmann, C

- Making A Mark, Toronto, Ontario, Feb 2013
“*Sample Oral Exam Questions*”
- Making A Mark, Toronto, Ontario, Feb 2013
“*Toxins in the Operating Room*”

Manninen, P

- ChinaJapan Friendship Hospital, Beijing, China, November 2012
“*Challenges for the anesthesiologist in airway management in neurosurgical patients*”
- “*Update in Neuroanesthesia: What is New?*”
- Addis Ababa University, Department of Neurosurgery, Black Lion Hospital, Ethiopia, Adis Abeba, March 2013
“*Awake Craniotomy*”

Margarido, C

- 7th Obstetrical Anesthesia Day, Toronto, Canada, November 2012
“*Symptomatic parturient presenting Arnold-Chiari Malformation II for urgent Cesarean Delivery*”

Maynes, J

- Anesthesia Grand Rounds, St. Michael’s Hospital, Toronto, October 2012
“*Anaesthetic Effects on Metabolism and the Mitochondria*”
- Grand Rounds, Toronto General Hospital, Toronto, May 2013
“*Anesthetic Effects on Cellular Metabolism and the Mitochondria*”

- Dept of Anesthesia Research in Progress, The Hospital for Sick Children, Toronto, May 2013
“*Measuring Drug Toxicity: Mitochondrial Function, Cellular Metabolism and Stem Cell Models*”

Mazer, CD

- International Forum of Cardiovascular Anesthesia (IFCA), the 8th International Chinese Cardiovascular Anesthesia Forum (ICCAF), China Heart Congress 2012, Beijing, China, August 2012.
“*Update on best practices*” (Blood transfusion, HIT, and antifibrinolysis).
“*Controversies about antifibrinolytic agents and new antithrombotic drugs in cardiac surgery*”.
- Canadian Cardiovascular Society meeting, Toronto, Ontario, Workshop participant, October 2012
“*How to balance efficacy vs bleeding risks in ACS patients destined for CABG?*”
- Canadian Cardiovascular Society meeting, Toronto, Ontario, October 2012
“*Implementation of the new Nurse Practitioner (NP) authorities to optimize care and patient flow for cardiovascular surgical patients*”.
- New Zealand Anesthesia Annual Scientific Meeting combined with the 13th International Congress of Cardiothoracic and Vascular Anesthesia, Auckland, New Zealand, November 2012
“*New antithrombotic agents in cardiac and non-cardiac patients*”

McDonnell, C

- Department of Anesthesia, Scarborough Grace & General Hospitals, Toronto, Ontario, Canada, October 2012



"Opioid and other medication errors in pediatric anesthesia".

McKnight, D

- Association for Medical Education in Europe (AMEE) 2012, Lyon, France, August 2012

"Recruiting Top Medical School Applicants to Your School: Insight from a Student Opinion Survey."

- 51st Annual Research in Medical Education Conference, San Francisco, California, November 2012

"Enhanced Recruitment Strategies for Top Medical School Applicants."

McCartney, C

- American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

"Current Controversies in Regional Anesthesia" Session Chair

- American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

"Acute Pain and Regional Anesthesia" Poster Session Chair

- Undergraduate Lecture, Department of Human Biology, University of Toronto, October 2012

"Biology of Pain"

- Royal College of Anaesthetists, London, UK, November 2012

"Regional Anaesthesia-Improving Postoperative Care"

- Holland Centre Preceptorship, Toronto, ON, January 2013

"Continuous peripheral Nerve Blocks: Principles and Practice"

- American Society of Regional Anesthesia, Boston, MA, May 2013

"Continuous peripheral nerve blocks" Workshop

- American Society of Regional Anesthesia, Boston, MA, May 2013

"Evidence-base for use of ultrasound for brachial plexus blocks"

- University of Calgary Anesthesia Residents, June 2013

"Beginning a career in academia: the good, the bad and the ugly"

- University of Calgary, Department of Anesthesia, June 2013

"Does type of anesthesia and analgesia really matter for total knee replacement?" Visiting professor

- University of Calgary, Department of Anesthesia, June 2013

"Has ultrasound changed the way we perform brachial plexus blocks?" Visiting Professor

McCluskey, S

- Department of Anesthesia and Pain Management, Grand Rounds, Toronto General

Hospital, Toronto, Ontario, September 2012

"Enhanced Recovery After Surgery: A Best Practice in General Surgery"

- Sponsored by Edwards Life Sciences, Toronto, Ontario, November 2012

"Goal Directed Fluid Therapy as Part of an Enhanced Recovery Program Enhancing the recovery of the surgical patient"

- Ohio State Medical Center, Columbus, Ohio, January 2013

"Anesthetic Management of Liver Transplantation TGH Style"

- Enhanced Recovery After Surgery Implementation Meeting, Toronto, Ontario, March 2013

"Fluid Management for the ERAS Program: Goal Directed, Restricted or Guided"

- Department of Transfusion Medicine, University of Toronto, Toronto, Ontario, April 2013

"Intraoperative Cell Salvage and Other Intraoperative Strategies" Course

- Edwards Lifesciences, Calgary, Alberta, April 2013

"Perioperative Goal Directed Therapy - Fluid Optimization and Fluid Restriction" Distinguished Speaker

- Kidney Transplant Retreat, Toronto, Ontario, May 2013

"Delayed Graft Function: Perioperative Fluid Management"

McRae, K

- Anesthesia Grand Rounds, Department of Anesthesia, Brigham and Women's Hospital, Harvard University, Boston, Massachusetts, October 2012

"Transplantation Update: Extracorporeal lung support and lung reconditioning with Ex-vivo lung perfusion"

- International Society of Heart and Lung Transplant. Quebec, Montreal. April 2013.

"Intra Operative Management of the Patient with a Failing Right Ventricle Symposium entitled: Mapping the Management of the Right Ventricle in Lung Transplantation".

Meineri, M

- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012

"FOCUS TTE" Workshop

"Fellows Case Presentations" (Moderator)

"FOCUS TTE"

- 10th Annual Obstetric Anesthesia Conference, Mount Sinai Hospital, Toronto, Ontario, September 2012

"Windows to the Heart: is there a role for FOCUS TTE on Labor and Delivery?"

Minkovich, L

- Annual Meeting of the American Society of Anesthesiologists, Washington DC, October 2012

"ASA Basic Fiber-optic Workshop"

Morningstar, B

- Evidence-Based Perioperative Medicine Meeting, London, United Kingdom, July 2012

"Ten commandments of fluid management" Presentation to Fresenius Kabi Fluid Advisory Board

- Combined Perioperative Services Rounds, North York General Hospital, North York, Ontario, Canada, September 2012

"Enhanced Recovery After Surgery"

- Combined Anesthesia Surgery Rounds, Sunnybrook Health

Sciences Centre, Toronto, Ontario, Canada, September 2012

“Enhanced Recovery After Surgery: Anesthetic aspects”

- 18th Regional Anesthesia and Pain Conference, University of Toronto, Niagara-on-the-Lake, Ontario, Canada, October 2012

“Evidence-based perioperative management for bowel surgery”

- 18th Regional Anesthesia and Pain Conference, University of Toronto, Niagara-on-the-Lake, Ontario, Canada, October 2012

“Update on multimodal analgesia”

- Ontario Orthopedic Association Annual Meeting, Toronto, Ontario, Canada, November 2012

“Fluid and blood management in trauma”

Murphy, P

- Forum of Cardiovascular Anesthesiologists, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Karnataka, India, January 2013

“Functional Anatomy and Surgically Relevant Echocardiographic Assessment of Aortic Valve and Root”

- Scarborough, Ontario, February 2013

“Thoracic Anesthesia, Making Your Mark” National Anesthesia Review Course

- Society of Cardiovascular Anesthesiologists Update in Cardiopulmonary Bypass, Aspen, Colorado, February 2013

“Non-Cardiac Operations in the Patient with Complex Congenital Heart Disease”

“Pro/Con Debate: Hypothermia for In-Hospital Cardiac Arrest”

Naser, B

- Pediatric Pain Symposium, Doha, Qatar, November 2012
- “Physiology of Pain”*

Ng, E

- Health Education Leadership Program (HELP), Toronto, Ontario, September 2012

“Simulation in Education”.

- Teaching in Paediatric Settings (TIPS) Training, Toronto, Ontario, November 2012

“Debriefing and feedback”.

- Simulation Summit, Ottawa, Ontario, Canada. Presenter(s): Everett T, Ng E, Tockchard S et al, November 2012

“Evaluating performance in pediatric anesthesiology simulation: piloting tools for the Managing Emergencies in Pediatric Anesthesia (MEPA) course.”

Niazi, A

- University of Toronto Introductory Workshop for Ultrasound-Guided Nerve Blocks, Toronto, Ontario, September 2012

“Upper Limb: above and below Clavicle”

“Lower Limb: Femoral, Popliteal and Ankle ”

- Regional Anesthesia and Pain Medicine Conference, Niagara-on-the-Lake, Ontario, October 2012

“Ultrasound Guided Blocks Above the Clavicle” (Lecture and Workshop)

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

“Ultrasound Guided Blocks above the Clavicle” (Workshop)

- U of T seminar for PGY2. Toronto Western Hospital, Toronto, November 2012

“Ultrasound guided blocks above the clavicle”

- University of Toronto Introductory Workshop for Ultrasound-Guided Nerve Blocks, Toronto, Ontario, May-June, 2013

“Upper Limb: above and below Clavicle”

“Lower Limb: Femoral, Popliteal and Ankle ”

O’Leary, G

- University Health Network, Annual Anesthesia Assistant Professional Development Day, Toronto, Ontario, November 2012

Orser, B

- British Journal of Anesthesia, Austria, July 2012

“Invited Symposium on Neurotoxicity”

- 16th James E. Eckenhoff, M.D. Lecture, Perelman School of Medicine, University of Pennsylvania, PA, September 2012

“Memory Loss and Anesthesia”

- Grand Rounds, Department of Anesthesiology, Perioperative and Pain Medicine, Harvard University, Boston, MA, March 2013

“The cost of hijacking memory blocking receptors”

- Neuroscience Interest Group, Department of Anesthesiology, Perioperative and Pain Medicine, Harvard University, Boston, MA, March 2013

“Translational Neuroscience: Tranexamic Acid and Seizures”

- Professors Rounds, Department of Anesthesia, University of Toronto, Ontario, March 2013

“Mechanisms of Anesthetics”

- 25th C.R. Stephen Lecture, Washington University in St. Louis, School of Medicine, St. Louis MO,

March 2013

“Memory loss and anesthesia: The good, the bad, and the ugly”

- Association of University Anesthesiologists, Miami, Florida, April 2013

“Anesthesia: The Final Frontier” Plenary Address

- 25th Annual C.R. Stephen Lecture, Department of Anesthesiology, Washington University, St. Louis, MO, USA, March 2013

“Memory loss and anesthesia: The good, the bad, and the ugly”

- 2013 Association of University Anesthesiologists, Miami, Florida, April 2013

“Anesthesia: The Final Frontier” Plenary Address

- Rockefeller President Marc Tessier-Lavigne Advisory Panel, Translational Neuroscience: Anesthesia and Critical Care, University of Toronto, Toronto, Canada, April 2013

- Dr. Jean Hugill Memorial Pain Lecture, Neuroscience Program, University of Alberta, Calgary Canada, May 2013

“Memory loss and anesthesia: The good, the bad, the ugly”

- Dept. of Anesthesia, Clinical Rounds, University of Alberta, May 2013

“Teaching old receptors new tricks: Extrasynaptic inhibitory receptors as therapeutic targets”

- Sheild’s Day Vice-Chair’s Lecture, Toronto, Canada, May 2013

“Extrasynaptic inhibitory receptors as therapeutic targets”

Peng, P

- Ultrasound for Pain Medicine-Official Satellite Symposium for World Congress of Pain, Milano, Italy, August 2012

“Ultrasound-guided injection for pudendal nerve and piriformis muscle”

- Regional Anesthesia and Pain Medicine Conference,

- Niagara-on-the-Lake, Ontario, October 2012
- “Ultrasound guided injection for ilioinguinal and genitofemoral nerve” (Workshop)*
- “Update on opioids”*
- Canadian Institutes of Health Research Course, Toronto, Ontario, November 2012
- “Non-surgical management of back pain. Acute Spinal Care, Management and Triage”*
- Department of Anesthesia, Catholic University, Republic of Seoul, Korea, November 2012
- “Ultrasound-guided injection for peri-operative pain management” Visiting Professor*
- Korean Pain Society, Republic of Seoul, Korea, November 2012
- “Ultrasound-guided injection for Pain Medicine” Keynote Speaker*
- Ultrasound for Pain Medicine Workshop, Toronto Western Hospital, University Health Network, Toronto, Ontario, November 2012
- “Ultrasound-guided injections”*
- 3rd Multidisciplinary Musculoskeletal Ultrasound Symposium in Pain Medicine, Hong Kong, China, December 2012
- “Ultrasound-guided injection for Pain Medicine”*
- Urology and Andrology Rounds, Department of Urology, Mount Sinai Hospital, Toronto, Ontario, January 2013
- “Pudendal neuralgia: diagnosis and management”*
- 5th SIMPAR Conference, Pavia, Italy, March 2013
- “Ultrasound and chronic pain: a new era? Study in Multidisciplinary Pain Research”*
- Canadian Pain Interventional Course and Workshop, Hamilton, Ontario, April 2013
- “Ultrasound for Pain Intervention”*
- Annual Conference of the Canadian Pain Society, Winnipeg, Manitoba, May 2013
- “Tai Chi for pain and fibromyalgia”*
- Department of Nursing, University Health Network, Toronto, Ontario, June 2013
- “Tai Chi and Pain”*
-
- Perlas, A**
- 10th Annual Obstetric Anesthesia Conference & Workshop, Mount Sinai Hospital, Toronto, Ontario, September 2012
- “Can we make clinical use of gastric ultrasound assessment of the pregnant woman?”*
- University of Toronto - TWH Introductory Ultrasound for Regional Anesthesia Workshop, Toronto, Ontario, September 2012
- “Fundamental ultrasound principles and equipment functionality; Brachial plexus blocks above the clavicle” Outcome data review*
- American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012
- “Ultrasound guided regional anesthesia. An evidence-based review of the evidence”*
- “Gastric ultrasound to assess gastric content and volume” (part of the difficult airway workshop)*
- 19th Annual Anesthesia Winterlude Symposium, Ottawa, Ontario, February 2013
- “Improving patient safety: Ultrasound for regional, vascular, airway and more”*
- Latin American Symposium of Regional Anesthesia, Montevideo, Uruguay, April 2013
- “Ultrasound-guided blocks of the Lumbar plexus”*
- “Perioperative Ultrasound: a tool beyond regional anesthesia”*
- 38th Annual Regional Anesthesia Meeting and Workshops, Boston, Massachusetts, May 2013
- “Evidence-based review of ultrasound for neuraxial blocks”*
- Mount Sinai Medical Center, Grand Rounds, New York, New York, June 2013
- “Assessing aspiration risk in the perioperative period. Ultrasound assessment of gastric content and volume” (Visiting Professor)*
- University of Toronto – TWH Advanced Ultrasound for Regional Anesthesia Workshop, Toronto, Ontario, June 2013
- “Ultrasound for Neuraxial Anesthesia”*
- “Advanced ultrasound-guided blocks” (Workshop Instructor)*
-
- Riaz, S**
- Regional Anesthesia Course and Workshop, Department of Anesthesia, University of Toronto, Faculty of Medicine, Toronto, Ontario, November 2012
- “Ultrasound Guided Nerve Block Ultrasound”*
- 16th Annual RPN-OR Conference, Toronto, Ontario, April 2013
- “Updates in Malignant Hyperthermia”*
- European Malignant Hyperthermia Organization. Basel, Switzerland, May 2013
- “Analysis of abnormal histomorphology in Malignant Hyperthermia Susceptible (MHS) Patients, Correlations with Reactivity to Caffeine, and Halothane and RYR1 mutations”*
-
- Ringsted, C**
- Wightman-Berris Academy, University of Toronto, Toronto, Ontario, April 2013
- “Research in Health Professions Education”*
- 15th Annual Medical Education Day, The Hospital for Sick Children, Toronto, Ontario, March 2013
- “The Wilson Centre”*
-
- Roscoe, A**
- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012
- “RV function”*
- South African Society of Anesthesia Meeting, Bloemfontein, South Africa, December 2012
- “Cardiogenic shock” Distinguished Speaker*
- University of Cape Town, South Africa, December 2012
- “Ventricular Assist Devices”*
- Dalhousie University, Halifax, Nova Scotia, January 2013
- “Updates in Lung Transplantation”*
- University of Stellenbosch, Cape Town, South Africa, March 2013
- “Transoesophageal Echocardiography” Workshop*
- University of Cape Town, Cape Town, South Africa, March 2013
- “Endobronchial blocker workshop”*
- “Lung Transplantation”*
- South African Society of Anaesthesia Meeting, Port Elizabeth, South Africa, March 2013
- “FATE Workshop”*
- “Anaesthesia and Pulmonary Hypertension”*
- “Extracorporeal circuits: an update”*

- Society of Cardiovascular Anesthesiologists Thoracic Symposium, Miami, Florida, April 2013
"Lung Transplantation PBLD"
 - Canadian Perioperative Anesthesia & Medicine Meeting, Toronto, Ontario, May 2013
"LVAD patients undergoing noncardiac surgery"
-
- Roy, L**
- Pediatric Pearls, Audiocast USA, Los Angeles, California, United States, December 10 2012
"A podcast reviewing pediatric anesthesia airway issues"
 - University of Toronto, Toronto, Ontario, January 2013
"Saturday is not Alright, An examination of after hours anesthetic patient care"
-
- Siddiqui, N**
- Regional Anesthesia Day, Department of Anesthesia, University of Toronto, Toronto, Ontario, September 2012
"Aseptic technique for neuraxial anesthesia" (Session Leader)
 - 10th Annual Obstetric Anesthesia Conference & Workshop, Mount Sinai Hospital, Toronto, Ontario, September 2012
"Postpartum hemorrhage: Event that we see and that we don't. Are we missing out!"
 - Department of Surgery, University of Toronto, Toronto, Ontario, February 2013
"Implementation of Enhanced Recovery after Surgery Program - Workshop: Next steps and lessons learned"
 - Department of Surgery, University of Toronto, Toronto, Ontario, March 2013
"I.V Lidocaine infusion – Role in ERAS programs"
 - Acute Resuscitation Symposium, University Health Network, Toronto, Ontario, March 2013
"Focused Echocardiography during resuscitation" Workshop
 - 45th Annual Society for Obstetric Anesthesia and Perinatology Meeting, San Jose, Puerto Rico, April 2013
"Comprehensive ultrasound. Society of Obstetric Anesthesia and Perinatology" Ultrasound, Workshop Website
-
- Silverman, G**
- 57th Meeting of Ontario Medical Association, September 2012
"Anesthesia Missions Abroad"
 - Global Health Education Institute graduation, Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario, May 2013
"Local and Global Health Leadership and Challenge" (Moderator)
-
- Slinger, P**
- Congress of Thoracic Anesthesia, China, Beijing, July 2012
"Anterior Mediastinal Masses and Lower Airway Problems"
"Anesthesia for Lung Transplantation"
"Preoperative Assessment for Pulmonary Resection Surgery"
 - Madison Society of Anesthesiologists, Madison, Wisconsin, September 2012
"Intraoperative Management of the Patient with Severe Lung Disease"
 - Department of Anesthesiology, University of Wisconsin, Madison, Wisconsin, September 2012
Visiting Professor
 - Department of Anesthesia, Wayne State University, Detroit, Michigan, September 2012
Visiting Professor
 - Society for Airway Management Annual Meeting, Toronto, Ontario, September 2012
"Double-lumen Tubes or Bronchial Blockers for Lung Isolation Pro-Con"
"Management of the Patient with and Anterior Mediastinal Mass"
 - Annual Meeting of the American Society of Anesthesiologists, Washington, DC, October 2012
"Double-lumen Tubes for Lung Isolation"
"Post-pneumonectomy Complications"
 - Department of Anesthesia, University Hospital, Basel, Switzerland, October 2012
Visiting Professor
 - Weill Medical College, Cornell University, New York, NY, November 2012
Visiting Professor
 - International Congress of Cardiovascular Anesthesia, Auckland, New Zealand, November 2012
"Anesthesia for the Patient following Lung Transplantation; Update on Double-lumen Tubes"
 - Global Conference on Perioperative Medicine. Houston, December 2012
"State of the Art: Anesthetic and Ventilatory Strategies in Thoracic Anesthesia"
"One-Lung Ventilation Workshop"
 - Annual meeting of the South African Society of Anaesthesia. Port Elizabeth, South Africa, March 2013
"Intraoperative management of the patient with severe lung disease; Myths of mediastinal masses; Lung protective strategies, are they worth the trouble?"
 - Annual Rhode Island Anesthesia Conference, Providence, Rhode Island, March 2013
"Perioperative management of the patient with severe lung disease"
"Update on Lung Isolation and One-Lung Ventilation."
 - Cancun Anesthesia 2013. Cancun, Mexico, March 2013
"Perioperative management of the patient with severe lung disease"
"Lung Isolation techniques and One-Lung Ventilation"
"Mediastinal masses and lower airway problems"
"Post-thoracotomy anesthetic management."
 - Annual New York Anesthesiology Review. Orlando, Florida March 2013
"Respiratory Physiology"
"Lung Isolation"
"Management of One-lung Anesthesia"
 - Thoracic Anesthesia Symposium, Miami, Florida March 2013
"Management of Hypoxemia during VATS surgery"
 - Society of Cardiovascular Anesthesiologists Annual Meeting, Miami, Florida, April 2013
"Prevention and Management of Lung Injury in Cardiothoracic Surgical Patients, PBLD"
 - Dannemiller Review Course in Anesthesiology, San Antonio, Texas, May 2013
"Preoperative Assessment for Pulmonary Resection"
"Lung Isolation"
"One-Lung Ventilation"
"Mediastinal Masses and Lower Airway Problems"
 - Annual meeting of the International Anesthesia Research Society, San Diego, California, May 2013
"Don't make things worse with your ventilator settings. How you manage the lungs during the perioperative"

period affects postoperative outcomes”

- Department of Anesthesia, McMaster University, Hamilton, ON, May 2013
Visiting Professor
- Dannemiller Review Course in Anesthesiology, Chicago, June 2013
“Preoperative Assessment for Pulmonary Resection”
“Lung Isolation”
“One-lung Ventilation”
“Mediastinal Masses and Lower Airway Problems”
- European Association of Cardio-Thoracic Anesthesiologists, Annual Meeting, Barcelona, Spain, June 2013
“What should a Thoracic Anesthesiologist teach a Cardiac Anesthesiologist”
“Management of Difficult Lower Airway Problems”
“Fluid Restricted Therapy in Esophageal Surgery”
“Recruitment during One-Lung Ventilation”

Spadafora, S

- The International Conference on Residency Education, Ottawa, Ontario, October 2012
“A financial accountability map for residency training”
“A process for ‘taking’ the temperature of the PGME Community”
“Measured Steps: How will we measure progress toward the right number, mix and distribution of physicians to meet societal needs, FMEC-PG Recommendation #1?”
- Faculty of Medicine Summit on Educational Technology, Toronto, Ontario, November 2012
“Reflections and Meeting Summation”
- Family Medicine Education Forum, Toronto, Ontario, November 2012

“Plenary Session: Managing Transitions in Residency Education: Key messages from the 2011 International Conference on Residency Education” Panelist

- All Program Director & FM Site Director's Meeting, Toronto, Ontario, December 2012
“Duty Hours: The Good, the Bad and the Ugly”
- Canadian Conference on Medical Education 2013, Quebec City, Quebec, April 2013
“A Financial Accountability Map For Residency Training Based on RCPSC Accreditation Standards”
“A Key Performance Indicators (KPI) Dashboard for Successful Integration across Multiple Greater Toronto Area Teaching Sites”
“Walking the Talk: A Multi-Source Feedback Initiative for Residency Program Directors”

Steel, A

- 57th Meeting of Ontario Medical Association, September 2012
“Perioperative ventilation strategy”
- Critical Care Canada Forum, Toronto, Ontario, October 2012
“Development of Acute Respiratory Distress Syndrome (ARDS) in the Intensive Care Unit”
- Southlake Hospital, Department of Anesthesiology, Newmarket, Ontario, March 2013
“Perioperative shock and resuscitation departmental CPD meeting”
- Ontario Anesthesia Assistant Program, Michener Institute for Applied Health Sciences, Toronto, Ontario, April 2013
“Anesthesia beyond the operating department”
- Thoracic Anesthesia Symposium, Society

of Cardiovascular Anesthesiologists Thoracic Symposium, Miami, Florida, April 2013

“Post-thoracotomy ICU management”

Szabo, E

- Critical Care Teaching Rounds, Dept. of Pediatrics, Faculty of Medicine, The Hospital for Sick Children, August 2012
“Pediatric Airway Management in PICU - RSI, Difficult Airway and Induction Techniques in the Critical Ill Child”
- Pediatric Anaesthesia Teaching Block, Dept of Anesthesiology, Faculty of Medicine, The Hospital for Sick Children, September 2012
“Pediatric Fluid and Electrolyte Management, Thermoregulation and Monitoring”
- Department of Anesthesia Grand Rounds, Faculty of Medicine, Dept. of Anesthesia, The Hospital for Sick Children, October 2012
“Voltage-gated Na Channel-related cardiomyopathy. Back to basics”
- Critical Care Teaching Rounds, Dept. of Pediatrics, Faculty of Medicine, The Hospital for Sick Children, November 2012
“Pediatric Airway Management in PICU - RSI, Difficult Airway and Induction Techniques in the Critical Ill Child”
- Department of Anesthesia Grand Rounds, Faculty of Medicine, Dept. of Anesthesia, The Hospital for Sick Children, November 2012
“Clinical Application of NIRS”

Tarshis, J

- Department of Anesthesia, Queen's University, September 2012

“Pearls and Pitfalls of OHIP Billing” Visiting Professor

- Faculty for 2 day SimONE course, October 2012
“The Frame of Simulation: Briefing and Debriefing”
- 1st Sunnybrook Educational Expo, October 2012
“Innovations in Education” Panel Speaker
- University of Toronto Transfusion Curriculum: Transfusion Authority Gradient, April 2013

Taylor, K

- Canadian Pediatric Anesthesia Society (CPAS) Annual Meeting, Mahone Bay, Nova Scotia, Canada, September 2012
“Considerations for the pediatric cardiac patient undergoing noncardiac surgery”
- Intensive Care Research Rounds, Toronto, Ontario, Canada, February 2013
“Dispassionate feedback from the audio-recording study”
- University of Manitoba, Department of Anesthesia, Winnipeg, Manitoba, Canada March 2013
“Pediatric Pulmonary Hypertension”
“Developing World Anaesthesia”
“Overview Congenital Heart Disease for the FRCPC examination”
- Acute Care Research Rounds, Toronto, Ontario, Canada, March 2013
“Acute Care Research Rounds -Evaluating Precision in Therapy - A RCT of milrinone TDM”
- 10th COPA - Congress of Anesthesiology of the State of São Paulo, Sao Paulo, São Paulo, Brazil, April 2013
“Non cardiac surgery for children with congenital heart disease - who to worry about and why?”

"Anaesthesia for paediatric cardiac catheterization"
"Paediatric cardiomyopathy"

Tumber, P

- Family Medicine Preceptorship Program, Wasser Pain Management Centre, Mount Sinai Hospital, Toronto, Ontario, October 2012

"Basics of Interventional Pain Management and Trigger Point Injections: What is the evidence?"

- Graduate Nursing Course in Advanced Pain Management, University of Toronto, School of Nursing, Toronto, Ontario, October 2012

"Pain Management Strategies: Pharmacology"

Van Rensburg, A

- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012

"Transesophageal Echocardiography for LVAD implantation"

"FOCUS TTE" Workshop

- University Health Network, Annual Anesthesia Assistant Professional Development Day, Toronto, Ontario, November 2012

"Anesthesia for Non Cardiothoracic Surgery after previous heart or lung transplantation"

- 57th Meeting of Ontario Medical Association, September 2012

"Anesthesia For Pheochromocytoma"

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 14-15, 2012

"Basic FOB Workshop"

- South African Society of Anaesthesia Meeting, Port Elizabeth, South Africa, March 2013

"Anesthesia for non cardiac surgery after previous heart or lung transplantation"

"Myectomy for HOCM"

"FATE Workshop"

- University of Stellenbosch, Cape Town, South Africa, March 2013

"Transoesophageal Echocardiography" Workshop

Vegas, A

- Max Super Hospital, Departmental Rounds, New Delhi, India, August 2012

"3D TEE for the Mitral Valve"

- 6th National TEE Workshop, Narayana Hrudayalaya Hospital, Bangalore, India, August 2012

"3D TEE Technical Principles"

- 10th Annual Toronto Perioperative Transesophageal Echocardiography Symposium, Toronto, Ontario, November 2012

"Echocardiography in Non-cardiac Surgery"

Workshop Case Presentations

- International Congress of Cardiothoracic and Vascular Anesthesia (ICCVA) TEE Workshop, Auckland, New Zealand, November 2013

"TEE Conundrums"

- Society of Cardiovascular Anesthesia 35th Annual Meeting, Miami, Florida, USA, April 2013

"TEE for Adult Congenital Heart Disease"

Venkatraghavan, L

- Society of Airway Management Annual Meeting, Toronto, Ontario, September 2012

"Basic fiberoptic bronchoscope (FOB) in adults" (Workshop)

- 57th Annual Ontario Anesthesia Meeting, Ontario Medical Association, Toronto, Ontario, September 2012

"Update on ICP Management"

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012

"Basic fiberoptic bronchoscope (FOB)" (Workshop)

- Toronto Anesthesia Practice Meeting, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2012

"Perioperative Stroke"

- University Health Network, Annual Anesthesia Assistant Professional Development Day, Toronto, Ontario, November 2012

"Postoperative Cognitive Dysfunction in Elderly"

- University Health Network, Operating Room Nurses Rounds, Toronto, Ontario, February 2013

"Raised Intracranial Pressure"

- Toronto Anesthesia Symposium, Toronto, Ontario, April 2013

"Adult and Paediatric Fibre Optic Bronchoscopy" Workshop

- University Health Network, Operating Room Nurses Rounds, Toronto, Ontario, April 2013

"Perioperative Stroke - Risk Factors and Management"

Voigtlaender-Bolz, J

- Young Investigators Forum - Institute for Cardiovascular and Respiratory Health Institute for Cardiovascular and Respiratory Health, 2012

"Translating microvascular research from rodents to humans - an infrastructure for the routine functional assessment of human resistance arteries"

- Canadian Hypertension Congress, Toronto, Ontario, Canada, October 2012

"Role of sphingosine-1-phosphate signalling in human resistance artery function"

Wasowicz, M

- Addis Ababa University, Department of Anesthesia Black Lion Hospital, Ethiopia, Adis Abeba, October 2012

"Assessment of cardiac patient coming for non-cardiac surgery"

"Fiberoptic bronchoscopy-its application in intubation and thoracic anesthesia"

"Thoracic epidural analgesia-what are the benefits for thoracic surgical patient?"

"Anesthesia and aortic surgery"

- Toronto Anesthesia Symposium, Toronto, Ontario, April 2013

"Supraglottic devices in airway management" (Workshop)

"Patient with stridor in post anesthesia care unit" PBL Presenter and facilitator of the discussion

- Karol Marcinkowski Poznan Medical University, Faculty of Medicine and Students' Scientific Organization, Pozan, Poland, April 2013

"Lung transplantation, State-of-the-Art 2013"

- Japanese Anesthesiologists' Society, Sapporo, Japan, May 2013

"Perioperative management of patients undergoing transcatheter aortic valve implantation"

Wijesundera, D

- Evaluative Clinical Sciences Rounds, Sunnybrook Health Sciences Centre, Toronto, Ontario, September 2012

"Preoperative cardiac risk stratification - Lessons from clinical and health services research"

- American Heart Association Scientific Sessions, Los Angeles, California, November 2012

"Duration of preoperative beta-blocker therapy and outcomes after non-cardiac surgery"



- Grand Rounds, Department of Anesthesia, St. Michael's Hospital, Toronto, Ontario, November 2012
"Assessment of the perioperative heart - The role for echo and stress training"
- Global Conference on Perioperative Medicine: Care Of The Elderly and the Cancer Patient, M.D. Anderson Cancer Center, Houston, Texas, December 2012
"Perioperative risk prediction and interventional options: What is new and can we improve outcomes?"
- Surgical Grand Rounds, Department of Surgery, University Health Network, Toronto, Ontario, February 2013
"Preoperative assessment of the surgical patient: Progress and Opportunities"
- Cardiology Research Rounds, Division of Cardiology, Sunnybrook Health Sciences Centre, April 2013
"Preoperative cardiac risk stratification: An anesthesiologist's perspective"
- Grand Rounds, Department of Anesthesia, St. Michael's Hospital, Toronto, Ontario, April 26, 2013
"The METS Cohort Study: A multicentre study to improve assessment of preoperative functional capacity"
- Grand Rounds, Department of Anesthesia, Queens University, Kingston, Ontario, May 2013
"Preoperative cardiac risk stratification – Lessons from clinical and health services research"
- Grand Rounds, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, May 2013
"Helpful research or simply data mining? Using observational data research to help advance perioperative medicine"
- Collaborative Clinical Trials in Anesthesia, Monash University, Prato, Italy, June 2013
"METS and Canadian multicentre trials"

Wong, D

- 63rd American Society of Anesthesiologists Annual Meeting, Washington, DC, October 2012
"Basic Adult Flexible Fiberoptic Intubation Workshop"
- Bariatric Program, Toronto Western Hospital, University Health Network, October 2012
"Perioperative cardiac/pulmonary risk assessment and reduction"
- Society for Ambulatory Anesthesia, Webinar, Chicago, Illinois, October 2012
"So many supraglottic airways: which one(s) should I use?" Web host

- Minnesota Society of Anesthesiologists Fall Conference, Edina, Minnesota, November 2012
"Supraglottic airways: which is best and how to change them out for an ETT"
"Cannot intubate, cannot ventilate: are you ready for surgical airway?"
"Extraglottic airways"
- Anaesthetic Practice, Toronto, Ontario, November 2012
"Challenging airways in the recovery room and ER"
- Networking World Anesthesia Convention, Bangkok, Thailand, April 2013
"Context-sensitive approach to the difficult airway- ICU, OR, PACU"
"Ultrasound Assessment of the Airway"
"So many supraglottic devices- which one to choose?"
"Adult Airway Workshop"

Wong, J

- Southlake Regional Hospital, Newmarket, Ontario, May 2013
"Perioperative Management of OSA – an Update"
- University of Toronto, Department of Urology, Toronto, Ontario, May 2013
"Perioperative Smoking Cessation – A Teachable Moment"

You-Ten, E

- Toronto Anesthesia Symposium, Toronto, Ontario, April 2013
"Obese Labouring Parturient with Mallampati 4 Refuses Epidural"
"Surgical Airway Workshop"
- Surgical Education Rounds, Mount Sinai Hospital, Toronto, Ontario, 2013
"Role of Technical Skills on Nontechnical Skills Performance in Crisis Management"

Zhang, H

- European Congress of Immunology, Glasgow, United Kingdom, September 2012
"LPS internalization is mediated by Syk in lung epithelial cell"
- Annual Meeting of the Society of Emergency and Critical Care Medicine, International Convention Center in National Taiwan University Hospital, Taipei, Taiwan, Province Of China, October 2012
"New frontiers in sepsis"
- Editorial Board Meeting of Intensive Care Medicine, Assisi, Italy, December 2012
"Experimental and original studies"
- International Symposium on Critical Care Medicine, Guangzhou Medical University, Guangzhou, China, January 2013
"New advances in sepsis research"
- International Shock-Sepsis Summit Forum, Guangzhou, Guangdong, China, March 2013
"Novel therapeutic target in endotoxic shock"
- Guangdong Society of Intensive Care Medicine, Fushan, Guangdong, China, March 2013
"What have we learnt from sepsis trial?"
- American Association of Immunologists Annual Meeting, Honolulu, Hawaii, May 2013
"Human neutrophil peptides induce inflammatory atherosclerotic events"
- Department of Critical Care Medicine, Southeast University Zhongda Hospital, Nanjing, China, July 2012
"Bacteria and cytokine interaction in sepsis"

Research Funding

Peer-Reviewed Grants

Arzola, C

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Ultrasound Assessment of the Gastric Content and Volume in Pregnant Population

Amount: \$99,600

Principal Investigator: C Arzola

Co-Investigators: A Perlas, JCA Carvalho

Balki, M

2011-2013

Mount Sinai Hospital Foundation

Title: Optimizing human myometrial contractions using a combination of uterotonic agents

Amount: \$40,000

Principal Investigator: M Balki

Co-Investigators: N/A

2011-2013

University of Toronto Merit Awards, Department of Anesthesia

Title: Optimizing human myometrial contractions using a combination of uterotonic agents

Amount: \$80,000

Principal Investigator: M Balki

Co-Investigators: N/A

2011-2013

Inaugural SOAP/ Gertie Marx Research & Education Grant

Title: Optimizing contractility in human myometrium using a combination of uterotonic agents: An in-vitro approach to improving treatment options for primary post-partum hemorrhage

Amount: \$50,000

Principal Investigator: M Balki

Co-Investigators: N/A

2013-2015

AHSC AFP Innovation Fund

Title: High-fidelity Simulation to Assess Interprofessional Teamwork in Obstetric Crisis Management

Amount: \$124,43.

Principal Investigator: M Balki

Co-Investigators: ME Cooke, R Windrim

2013-2015

Ontario AHSC AFP Innovation Funds

Title: High-fidelity simulation to assess interprofessional teamwork in obstetric crisis management

Amount: \$124,437

Principal Investigator: M Balki

Co-Investigators: ME Cooke, R Windrim

Baker, A

2009-2016

Canadian Institutes of Health Research (CIHR)

Title: From bench to bedside to curbside

Total Amount: \$1,057,000

Principal Investigator: L Morrison

Co-Investigators: D Redelmeier, R MacDonald, S Cheskes, P Sheldon, P Dorian, A Slutsky, AJ Baker, J Spence, N Avery, R Verbeek, D Scales, S Rizoli

2010-2016

National Institutes of Health (NIH) (USA)

Title: From bench to bedside to curbside

Total Amount: \$648,000

Principal Investigator: L Morrison

Co-Investigators: D Redelmeier, R MacDonald, S Cheskes, P Sheldon, P Dorian, A Slutsky, AJ Baker, J Spence, N Avery, R Verbeek, D Scales, S Rizoli

2010-2016

Heart and Stroke Foundation of Canada (HSFC)

Title: From bench to bedside to curbside

Total Amount: \$1,500,000

Principal Investigator: L Morrison

Co-Investigators: D Redelmeier, R MacDonald, S Cheskes, P Sheldon, P Dorian, A Slutsky, AJ Baker, J Spence, N Avery, R Verbeek, D Scales, S Rizoli

2011-2016

National Institutes of Health (NIH)

(USA)

Title: Resuscitation Outcomes Consortium- Core Training Grant

Total Amount: \$335,000

Principal Investigator: L Morrison

Co-Investigators: O Rotstein, AJ Baker, G Bandiera, A Slutsky, S Rizoli

2012-2013

Canadian Institute for Military and Veteran Health Research, Catalyst Grant

Title: Proof of concept investigations into

preconditioning against blast-induced neurotrauma

Total Amount: \$29,279.76

Principal Investigator: AJ Baker

Collaborator: E Park

2012-2013

Physicians' Services Incorporated Foundation

Title: Observational study of cerebral tissue oxygen saturation during blood transfusion in severe traumatic brain injured patients

Total Amount: \$150,000

Principal Investigator: V McCredie

Co-Investigators: AJ Baker

2012-2015

Ministry of Economic Development and Innovation, Ontario China Research and Innovation Fund

Title: Development and Innovation of a Clinical Biomarker for Diagnosis of Outcome Following Mild and Moderate Traumatic Brain Injury Using Endothelial Progenitor Cell Specific Markers

Total Amount: \$250,000

Principal Investigator: AJ Baker

Co-Investigator: N/A

2012-2014

National Defence Research and Development Canada

Title: Clinical Evaluation of Blood Biomarkers for Discrimination of Posttraumatic Stress Disorder and Traumatic Brain Injury Comorbidity

Total Amount: \$125,000

Principal Investigator: AJ Baker

Co-Investigator: N/A

2013-2014

Canadian Institutes of Health Research (CIHR), Catalyst Grant

Title: Development of Biomarker Profile and Rapid Screening Tool for mTBI due to Subclinical Primary Blast

Total Amount: \$99,927

Principal Investigator: A Baker

Collaborator: E Park

2013-2015

(IARS) Mentored Research Award, International Anesthesia Research Society

Title: Do anesthetics exacerbate memory deficits following traumatic brain injury?

Total Amount: \$150,000

Principal Investigator:

S Avramescu

Co Investigator: B Orser, AJ Baker, I Lecker, D Wang

Beattie, WS

2008-2013

Heart and Stroke Foundation of Canada (HSF), Australian Medical Association

Title: Nitrous Oxide Anesthesia and Cardiac Morbidity after Major Surgery: A Randomized Controlled Trial (ENIGMA II)

Amount: \$2,300,000

Principal Investigator: P Myles

Canadian Principal Investigator:

WS Beattie

Brull, R

2011-2014

Physicians Services Incorporated (PSI) Foundation

Title: Can ultrasound detect diabetic peripheral neuropathy?

Amount: \$19,000

Co-Principal Investigators: R Brull, VWS Chan

Co-Investigators: S Riazi, B Brill, JT Lau

2012-2014

Physicians' Services Incorporated (PSI) Foundation

Title: OPRA (Optimizing pain and rehabilitation after knee arthroplasty)

Amount: \$141,500

Principal Investigator: CJ McCartney

Co-Applicants: R Brull, S Choi, J Gollish, J Katz, H Kreder, C Gimera, M Mamdani, J Paul, B Pollard, S Rodriguez-Elizalde, B Safa, K Thorpe, P Stratford

Choi, S

2012

Physicians' Services Incorporated Resident Research Grant

Title: Optimizing Pain and Rehabilitation after Knee Arthroplasty (OPRA)

Amount: \$20,000

Supervisor and Co-Principal Investigator: S Choi

Co-Principal Investigator: CJ McCartney

Collaborator: R Holtby

Chung, F

2012-2014

Health and Health Services Research Fund, Hong Kong

Title: Postoperative Vascular Events in Unrecognized Obstructive Sleep Apnea

Amount: HK \$980,356

Principal Investigator: M Chan

Co-Investigator: F Chung

2012-2014

Singapore Innovation Grant

Title: Use of Profox and Pulsox

Amount: \$99,100

Principal Investigator: E Seet

Co-Investigator: F Chung

2013-2015

Integrating Challenge Grants, Department of Medicine, University of Toronto

Title: Sleep and Sedation – Translational Science to Public Health

Amount: \$250,000

Principal Investigator: R Horner

Co-Investigator: F Chung

Clarke, H

2009-2014

National Institutes of Health (NIH)

– NIDDK

Title: University Health Network's application to join the A2ALL Consortium RFA-DK-09-00:

Adult to adult living donor liver transplantation cohort study (A2ALL) - 1 U01 DK85563-01

Amount: \$1,500,000

Principal Investigator: DR Grant

Senior/Key Personnel: S Abbey, H Clarke, S Holtzman, J Katz, G Levy

Other Significant Contributors: A Oyedele, L Adcock, MJ Phillips, E Renner, N Selzner, A Siegal, G Therapondos

2011-2013

Physicians' Services Incorporated (PSI) Foundation

Title: The Phenomics and Genomics of Clinically Relevant Chronic Postsurgical Pain

Amount: \$170,000

Co-Principal Investigators: Clarke H, Z Seltzer, J Katz

Co-Investigators: M Choinière, G Djaiani, S Beattie, A Paterson, V Rao, M McGillion, J Hunter, J Watt-Watson

2012-2013

Physicians Services Incorporated (PSI) Foundation

Title: The Use of Abdominal Wall Catheters for Postoperative Analgesia in Liver Resection Patients: A Double-blinded, Randomized Controlled Trial

Amount: \$20,000

Principal Investigator: H Clarke

Co-Investigators: J Kahn, J Katz, A Wei, S McCluskey, S Ladak

2013-2014

University of Guelph-Humber Research Fund

Title: Prehabilitation for Prostate Cancer Surgery

Amount: \$21,239

Principal Investigator: D Santa Mina

Co-Investigator: H Clarke

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Multicentre Evaluation of



a Novel Technique of Analgesia Following Open Liver Resection:

Midline Open Transversus

Abdominis Plane (MOTAP)

Catheters

Amount: \$126,949

Principal Investigator: H Clarke

Co-Investigators: P Karanicolas, A Wei, S McCluskey, R Ko, S Cleary, P McHardy, J Katz, S Ladak, J Sawyer, C Law, A Kiss

2012-2013

Canadian Anesthesiologists' Society Research Award

Title: Discovering Pathologic Anesthetic Effects in Autistic Children: The Role of Anesthesia-Induced Mitochondrial Dysfunction

Amount: \$30,000

Co-Principal Investigators: M Crawford, JT Maynes

Co Investigators: N/A

Crawford, M

2012-2013

Canadian Anesthesiologists' Society Research Award

Title: Discovering Pathologic Anesthetic Effects in Autistic Children: The Role of Anesthesia-Induced Mitochondrial Dysfunction

Amount: \$30,000

Co-Principal Investigators: M Crawford, JT Maynes

Co Investigators: N/A

2011-2012

Australian and New Zealand Intensive Care Foundation

Title: SuDDICU Study of Selective Decontamination of the Digestive Tract in ICU

Amount: \$40,000

Principle Investigator: I Seppelt

International Co-Investigator: BH Cuthbertson

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Inhalational anesthesia and precipitation of dementia: is there a link?

Amount: \$192,066

Principal Investigator: G Djaiani

Co-Investigator: R Katznelson, R Styra, D Mazer, D Cheng, F Chung

2012-2016

Canadian Institutes of Health Research

Title: The METS (Measurement of Exercise Tolerance before Surgery) Study: An International

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Multicentre Prospective Cohort Study of Cardiopulmonary Exercise Testing For Improving Preoperative Risk Stratification for Major Non-Cardiac Surgery. Operating Grant.

Amount: \$987,066

Co-Principal Investigators: BH Cuthbertson, DN Wijeyesundera

Co-Investigators: WS Beattie, BL Croal, JT Granton, JS Hoch, M Mamdani, D Mazer, CJ McCartney, P Oh, R Pearse, AJ Smith, KE Thorpe, HC Wijeyesundera

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

Multicentre Prospective Cohort Study of Cardiopulmonary

Exercise Testing For Improving

Preoperative Risk Stratification

for Major Non-Cardiac Surgery.

Operating Grant.

Amount: \$987,066

Co-Principal Investigators: BH Cuthbertson, DN Wijeyesundera

Co-Investigators: WS Beattie, BL Croal, JT Granton, JS Hoch, M Mamdani, D Mazer, CJ McCartney, P Oh, R Pearse, AJ Smith, KE Thorpe, HC Wijeyesundera

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Reducing Delirium After TAVI Procedures: The Role of Regional Anesthesia

Amount: \$172,072

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, E Horlyck, C Feindel, M Meineri, R Styra

performance and retention of skills?: a simulation based randomized controlled trial. The Ottawa Hospital Innovation Fund
Total Amount: \$36,628
Principal Investigator: D Power
Co-Investigators: MD Bould, M Gale, TC Everett, S Boet

2012-2013
Academy for Innovation in Medical Education (AIME)

Title: Does Instruction on Cognitive Aid Use Improve Performance and Retention of Skills? A Simulation Based Randomized Controlled Trial
Total Amount: \$19,100
Principal Investigator: D Power
Co-Investigators: MD Bould, M Gale, TC Everett, S Boet

2012-2013
Academic Health Science Centres, AFP Innovation Fund

Title: Characterizing the Debriefing: a mixed methods study of debriefing in simulation
Total Amount: \$36,857
Principal Investigator: TC Everett
Co-Investigators: MD Bould, R MacKinnon, A Cheng, W Eppich

2012-2013
Academy for Innovation in Medical Education (AIME), University of Ottawa

Title: Characterizing the Debriefing: a mixed methods study of debriefing in simulation
Total Amount: \$19,500
Principal Investigator: TC Everett
Co-Investigators: MD Bould, R MacKinnon, A Cheng, W Eppich

2012-2013
Canada's Academic Health Sciences Centres (AHSC)

Title: Does instruction on cognitive aids use improve performance and retention of skills?: a simulation based randomized controlled trial
Total Amount: \$16,350
Principal Investigator: D Power
Co-Investigators: MD Bould, M Gale, TC Everett, S Boet

2013-2014

Academy for Innovation in Medical Education (AIME)

Title: Does an early booster session improve performance and retention of skills in neonatal resuscitation compared to a later booster? A simulation based randomized controlled trial
Total Amount: \$19,957
Principal Investigator: P Nambyiah
Co-Investigators: MD Bould, G Moore, TC Everett, K Abdulla, S Boet

2013-2014
The Ottawa Hospital Academic Medical Organization (TOHAMO)

Title: Does an early booster session improve performance and retention of skills in neonatal resuscitation compared to a later booster? A simulation based randomized controlled trial
Total Amount: \$57,797
Principal Investigator: P Nambyiah
Co-Investigators: G Moore, TC Everett, K Abdulla, D Bould, S Boet

Fisher, JA

2010-2015
Retina Research Group (RRG) Comprehensive Diabetic Clinical Trials Unit

Title: Non-invasive imaging of retinal metabolism and vascular function
Amount: \$4,629,195
CIHR Team Co-Investigators: C Hudson, JA Flanagan, JA Fisher, G Trope

2010-2015
Ontario Research Fund for Research Excellence Award, Round 4

Title: Retinal Oxygen Saturation, Blood Flow, Vascular Function and High Resolution Morphometric Imaging in the Living Human Eye
Amount: \$2,478,074
Principal Investigator: C Hudson
Co-Investigators: J Flanagan, JA Fisher, G Trope, R Devenyi, WC Lam, F Brent, WM Buys, K Bizheva

2011-2012
Ontario Thoracic Society

Title: Spatial and temporal patterns of cerebrovascular response to hypercapnic stimuli in subjects with, and without, obstructive sleep apnea (OSA)
Amount: \$48,000
Co-Principal Investigators: R Clodagh, JA Fisher
Co-Investigator: N/A

2011-2014
Canadian Institutes of Health Research (CIHR)

Title: Assessment of cerebral hemodynamics in children with sickle cell disease
Amount: \$300,000
Principal Investigator: A Kassner
Co-Investigators: JA Fisher

Gagliese, L
2007-2014
Canadian Breast Cancer Research Alliance

Title: Age-related patterns in pain following breast cancer surgery
Amount: \$747,485
Principle Investigator: L Gagliese
Co-Investigators: G Koren, VS Chan, A Easson, G Rodin, M Li

2010-2015
Canadian Institutes of Health Research (CIHR) – Operating Grant (5 years)

Title: Influence of Beliefs about Symptoms on Symptom Intensity, Distress and Patient's Participation in Self-Management Behaviours in Lung Cancer.
Amount: \$243,444
Principal Investigator: D Howell
Co-Investigators: A Bezjak, G Devins, L Gagliese, N Leighl, G Rodin, C Zimmermann

2010-2015.
Canadian Institutes of Health Research (CIHR) – Operating Grant (5 years)

Title: A prospective study of psychosocial distress and palliative care in patients with hematologic malignancies.
Amount: \$644,687
Co-Principal Investigators: G Rodin, C Zimmerman

Co-Investigators: M Minden, J Brandwein, A Schimmer, L Gagliese, J Jones

2010-2015
Canadian Institutes of Health Research (CIHR) – Operating Grant (5 years).

Title: Managing Cancer and Living Meaningfully: an RCT of an Individual Psychotherapy for the Treatment of Depression in Patients with Metastatic Cancer.
Amount: \$773,249
Co-Principal Investigators: G Rodin, S Hales
Co-Investigators: A Donner, L Gagliese, P Kurdyak, M Li, C Lo, M Moore, R Nissim, A Rydall, F Shepherd, C Zimmermann

2011-2016
Canadian Institutes of Health Research (CIHR).

Title: Pain in older cancer patients with delirium: Development of an observational measure.
Amount: \$787,410
Principal Investigator: L Gagliese
Co-Investigators: G Rodin, C Zimmermann, B Stevens, VS Chan, H Holtby

2009 Sep-2012 Sep
Canadian Institutes of Health Research (CIHR).

Title: Clinical Assessment of Thrombosis in Children after Heart Surgery: The CATCH Study.
Total Amount: \$885,441
Principal Investigator: BW McCrindle
Co-Investigators: L Gagliese, G Van Arsdell, A Chan, L Brandao

Hanlon, J
2013-2014
Ontario Ministry of Health and Long-Term Care, St Michaels Hospital Medical Association Innovation Fund, SMHAIF-083.

Title: Chronic pain patient registry and database: Enabling real-time patient data and evidence informed outcome based pain management.
Total Amount: \$15,318

Principal Investigator: J Hanlon
Collaborators: N Lo, H Clarke, G Hare

Hare G

2010-2012

Physicians Services Incorporated Foundation (PSI).

Title: β 1-Adrenergic antagonists impair murine and human resistance artery function.

Total Amount: \$160,000

Principal Investigator: G Hare

Co-Investigators: S Bolz, J Bolz

2010-2012

Forest Research Institute Inc.

Title: Nebivolol maintains tissue oxygen delivery during acute hemodilution.

Total Amount: \$108,000

Principal Investigator: G Hare

Co-Investigator: WS Beattie

Isaac L

2010-2015

Canadian Institutes of Health Research (CIHR), CIHR 2010 Research (CIHR)

Title: The Transition from Acute Postsurgical Pain to Chronic Pain: The Role of Pain Anxiety and Parental Influences in Paediatric Pain.

Total Amount: \$60,000

Principal Investigator: J Katz

Collaborators: MG Page, J Stinson, F Campbell, L Isaac

Jadad AR

2008-2013

Canadian Institutes of Health Research (CIHR)

Title: CIHR Centre in HIV Prevention Social Research.

Amount: \$2,486,100

Co-Investigators: L Calzavara, A Adrien, A Getty, A Grace, G Godin, TM Mayers, M Tyndall, C Worthington, AR Jadad, Allman D, Patten S, Tharao W, Monette L, Hoe D, Millson M, Remis R, Bullock S, W Husband

2009-2014

Inclusive Design Institute.

Title: Canada Foundation for Innovation.

Amount: \$8,070,236

Principal Investigator:

J Treviranus

Co-Investigators: AR Jadad, S Diamond, D Fells

2009-2015

Canadian Institutes of Health Research (CIHR)

Title: CIHR Strategic Training Program on the Health Applications of Cell Signalling in Mucosal Inflammation & Pain (renewal).

Amount: \$1,950,000

Co-Investigators: RP Ellen, C McCulloch, AR Jadad

2009-2015

Canadian Institutes of Health Research (CIHR)

Title: CIHR Strategic Training Program in the Social Aetiology of Mental Illness.

Amount: \$1,783,890

Principal Investigator:

K McKenzie

Co-Investigators: N Samuel, AR Jadad, MA Barwick

2009-2015

Canadian Institutes of Health Research (CIHR)

Title: CIHR Strategic Training Program on Health Care, Technology and Place (renewal).

Amount: \$1,950,000.

Principal Investigator: PC Coyte

Co-Investigators: G Andrews, R Upshur, RM Baecker, A Bayoumi, K Boydell, AR Jadad

2010-2013

IDRC

Title: Public eHealth Innovation and Equity in Latin America and Caribbean (eSac).

Amount: \$1,500,000

Principal Investigator: AR Jadad

Co-Investigator: A Cortinois

2010-2013

Canadian Institutes of Health Research (CIHR)

Title: Transition to Survivorship: Translating knowledge into action for testicular and endometrial cancer populations.

Amount: \$256,581

Co-Principal Investigators: JM Jones, DM Howell

Co-Investigators: AR Jadad,



S Buchman, P Catton, C Earle, S Ferguson, B Fitzgeralds, A Gagliardi, M Gospodarowicz, M Harrison, AJ Friedman, M Sharpe, S Urowitz, P Warde, D Wiljer

2010-2015

HRSA-10-231 - Academic Administrative Units in Primary Care

Title: Family Medicine Developing Practice Transformation Capacity in a Family Medicine Academic Administrative Unit (AAU).

Amount: \$1,400,000

Principal Investigator: J Borcan

Co-Investigators: AR Jadad, W Miller, L Adams, P Grundy, C Eaton

2011-2013

Federal Economic Development Agency for Southern Ontario

Title: Connected Wellness Platform

Amount: \$15,549,290

Principal Investigator: H Skinner

Collaborator: AR Jadad

2012-2013

Canadian Institutes of Health Research (CIHR)

Title: Engaging the 21st Century. Moccasin Telegraph: Using cyberspace to CAAN's advantage.

Amount: \$33,000

Principal Investigator:

R Masching

Co-Investigators: AR Jadad, L Calzavara, JP Egan, M Thomas, M Peteherson

2012-2013

Ontario Trillium Foundation

Title: navCare: Navigating, negotiating and mediating care and support through health care, legal and social service systems.

Amount: \$24,180

Principal Investigator: P Dill

Collaborators: AR Jadad, Alliance Hospice, ALS Society, Deohaeko Support Network, Caregiver Omnimedia Inc, M Chaban, Hospice Toronto, Metropolitan United Church, Parkinson's Society of Central and Northern Ontario, Patients Association of Canada, PSD Consultants, Sykes Assistance Services Inc, WORDS

2012-2014

Green Shield Canada

Title: Health eConcierge.

Amount: \$450,000

Principal Investigator: AR Jadad

Co-Investigators: J Bender, A Cortinois

2013-2016

Canadian Institutes of Health Research (CIHR)

Title: Partnerships for Health System Improvement: 2012-2013. Assessing the impact of healthcare facility design on health outcomes: Implications for strategic investments in design.

Amount: \$252,009

Principal Investigator: C Alvaro

Collaborators: C Alvaro, H Clifford, C Atkinson, P Gardner, AR Jadad, R Lyons, S Wilkinson

2013-2018

Canadian Institutes of Health Research (CIHR)

Title: Transforming Primary Health Care in Remote Northern Communities – the Circumpolar Health Systems Innovation Team led by Professor Kue Young.

Amount: \$2,455,60

Principal Investigator: K Young

Collaborators: K Young, AR Jadad, A Brown, S Chatwood, A Cortinois

Jerath A

2013-2015

Heart and Stroke Foundation (HSF) of Canada

Title: Plasma concentrations and pharmacokinetics in patients with renal impairment undergoing cardiopulmonary bypass surgery.

Amount: \$90,658

Principal Investigator: A Jerath
Co-Investigators: M Wasowicz, J Pawliszyn, SK Pang, D Wijeyesundera, T Yau

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Use of volatile for long-term sedation in critical care patients.

Amount: \$152,936

Principal Investigator: A Jerath
Collaborators: M Wasowicz, N Ferguson, A Steel, D Mazer, V Rao

2013-2016

The Australian National Health and Medical Research Council

Title: Restrictive versus liberal fluid therapy in major abdominal surgery.

Amount: \$21,000 AUD

Principal Investigator: P Myles
Co-Investigators: A Jerath, M Wasowicz, D Wijeyesundera, V Chan, A Perlas, J Granton, D Urbach

Katz J

2009-2014

Physicians Services Incorporated (PSI) Foundation

Title: Fractures and chronic pain after spinal cord injury: Impact on costs of care and quality of life.

Amount: \$162,000

Principal Investigator: BC Craven
Co-Investigators: LM Giangregorio, SL Hitzig, J Katz, N Mittmann, L Noreau, D Wolfe

2010-2015

Canadian Institutes of Health Research (CIHR)

Title: The Transition from Acute Postsurgical Pain to Chronic Pain: The Role of Pain Anxiety and Parental Influences in Paediatric Pain.

Amount: \$306,530

Principal Investigator: J Katz
Co-Applicants: F Campbell, L Isaacs, AL Martin, G Pagé, J Stinson

2011-2014

Workplace Safety and Insurance Board of Ontario

Title: Pre-existing patient factors

associated with sensorimotor recovery, chronic pain, and brain plasticity following surgical repair of peripheral nerve injuries.

Amount: \$348,273

Principal Investigator: K Davis
Co-Investigators: D Anastakis, J Katz

2012-2013

Canadian Anesthesiologists' Society - Abbott Laboratories New Investigator Award in Anesthesia

Title: Optimizing Pain and Rehabilitation after Knee Arthroplasty (OPRA).

Amount: \$20,000

Principal Investigator: S Choi
Co-Investigators: J Katz, M Mamdani, J Paul, K Thorpe, CJL McCartney

2013-2018

Canadian Institutes of Health Research (CIHR)

Title: Evaluating the efficacy of an Attention Modification Program for chronic musculoskeletal pain patients with fibromyalgia.

Amount: \$467,500

Principal Investigator: N Carleton
Co-Applicants: G Asmundson, J Katz

Kavanagh BP

2008-2013

Canadian Institutes of Health Research (CIHR)

Title: Therapeutic Potential of Hepoxilin Analogues (Operating Grant)

Amount: \$620,000

Co-Principal applicant: BP Kavanagh

Nominated Principal applicant: M Post

2008-2013

Canadian Institutes of Health Research (CIHR)

Title: Ventilator-Induced Lung Injury: Linking gene activation, physiology and outcome (Operating Grant)

Amount: \$643,000

Principal Applicant: BP Kavanagh
Co-applicant: M Post

2009-2014

Canadian Institutes of Health Research (CIHR)

Title: Preclinical Assessment of Therapeutic Hypercapnia (Operating Grant)

Amount: \$563,000

Principle Applicant: BP Kavanagh
Co-applicant: N/A

Laffey J

2008-2013

European Research Council (ERC)

Title: Hypercapnic Acidosis and NF-κB in Ventilator Induced Lung Injury: Developing strategies to minimize lung injury and facilitate repair.

Total Amount: 1,050,000 EUR

Principal Applicant: J Laffey

Co-Investigator: D O'Toole

2008-2013

Health Research Board (HRB) (Ireland), Clinical Research Facility Award

Title: Establishment of a clinical research facility at the National University of Ireland, Galway.

Total Amount: 20,000,000 EUR

Co-Principal Investigators: F Giles, T O'Brien, F Dunne, S Dinneen, L Egan, J Morrison, M Kerin, C McDonald, G Loftus, A Murphy

2010-2013

Health Research Board (HRB) (Ireland), Project Grant

Title: Hydroxymethylglutaryl-CoA reductase inhibition with simvastatin in Acute lung injury to Reduce Pulmonary dysfunction (HARP-2).

Total Amount: 270,000 EUR

Principal Applicant: J Laffey

Collaborators: D. McAuley, A Nichol

2010-2013

Medical Research Council (UK), EME Grant

Title: Hydroxymethylglutaryl-CoA reductase inhibition with simvastatin in Acute lung injury to Reduce Pulmonary dysfunction (HARP).

Total Amount: 1,000,000 GBP

Principal Investigator: D McAuley
Co-Investigator: J Laffey

2012-2015

Health Research Board, Ireland

Title: Investigation of therapeutic potential of Mesenchymal Stem Cells to aid repair following Acute Lung Injury.

Amount: 300,000 EUR

Principal Applicant: J Laffey
Co-Investigators: T O'Brien, F Barry

Maynes, J

2012-2014

Canadian Cancer Society Research Institute (CCSRI)

Title: Predicting and preventing anthracycline cardiotoxicity using patient-specific cardiomyocytes, Innovation Grants.

Total Amount: \$200,000

Principal Investigator: J Maynes

Co-Investigator: N/A

Mazer, CD

2011-2013

Canadian Institutes of Health Research

Title: Steroids in Cardiac Surgery (SIRS) Trial

Total Amount: \$126,250

Principal Investigator: R Whitlock

Principal Site Investigator: CD Mazer

Co-Investigator: J Dickson

2011-2014

Canadian Institutes of Health Research

Title: Transfusion requirements in cardiac surgery (TRICS II).

Total Amount: \$444,165

Co-Principal Investigators: CD Mazer, N Shehata

Co-Investigator: N/A

2012-2016

Canadian Institutes of Health Research

Title: The METS (Measurement of Exercise Tolerance before Surgery) Study: An International Multicentre Prospective Cohort Study of Cardiopulmonary Exercise Testing For Improving Preoperative Risk Stratification for Major Non-Cardiac Surgery. Operating Grant.

Amount: \$987,066

Co-Principal Investigators: BH

Cuthbertson, DN Wijeyesundera
Co-Investigators: WS Beattie, BL Croal, JT Granton, JS Hoch, M Mamdani, D Mazer, CJ McCartney, P Oh, R Pearse, AJ Smith, KE Thorpe, HC Wijeyesundera

McCartney, C

2012-2013

PSI FOUNDATION: Determining the Minimal Effective Volume (MEAV 95) for Interscalene (MEAV 95) for Interscalene
Title: Brachial Plexus Block for Surgical Anesthesia

Amount: \$20,000

Co-Principal Investigators:

C McCartney, S Choi

Resident investigator: J Wang

Co-investigators: R Holtby,

I Awad

2012-2014

Physicians Services Incorporated Foundation

Title: OPRA-Optimizing Pain and Rehabilitation after Total Knee Arthroplasty.

Amount: \$141,500

Principal Investigator: S Choi

Co-Investigators: J Paul, H Kreder, M Mamdani, K Thorpe, J Katz, J Gollish, P Stratford

2012- 2013

Canadian Anesthesiologists' Society

Title: OPRA-Optimizing Pain and Rehabilitation after Total Knee Arthroplasty.

Amount: \$20,000

Principal Investigator: S Choi

Co-Investigator: C McCartney

2012-2016

Canadian Institutes of Health Research

Title: METS: Measurement of Exercise Tolerance for Surgery.

Amount: \$980,000

Co-Principal Investigators:

D Wijeyesundera, B Cuthbertson

Co-Investigator: C McCartney

2011-2013

University of Toronto, Department of Anesthesia Merit Award

Title: Is there any benefit to adding continuous femoral nerve block to local infiltration

analgesia for TKA?

Amount: \$40,000 per year for 2 years

Principal Investigator:

C McCartney

Co-investigator: NA

2011-2012

Sunnybrook Medical Services AFP 2010-2011 Innovation Fund

Title: Identifying and removing barriers to the use of regional anesthesia for total hip arthroplasty in Ontario

Amount: \$60,270

Principal Investigator:

C McCartney

Co-investigators: F Webster, H Kreder, J Watt-Watson, R Jenkinson, M Zwarenstein, D Kennedy, A Kiss.

2011-2012

European Society of Regional Anesthesia Grant

Title: Improving success rate of continuous peripheral nerve blocks using a novel coiled catheter

Amount: 10,000 EUR

Principal Investigator:

C McCartney

Co-Investigator: C Luyet

2011-2014

Sunnybrook Musculoskeletal Research Group Salary Award

Amount: \$20,000 per annum for 3 years

Principal Investigator:

C McCartney

Co-Investigator: NA

McCluskey, S

2011-2012

Canadian Anesthesia Research Foundation (Toronto, ON)

Title: Intraoperative fluid therapy for deceased donor renal transplantation: A modifiable risk factor for delayed graft function.

Amount: \$30,000

Principal Investigator:

S McCluskey

Co-Investigator: N/A

2013-2015

Council of Academic Hospitals of

Ontario (CAHO)

Title: Enhanced Recovery After Surgery: Colorectal Surgery.

Amount: \$1,300,000.

Principal Investigator: R McLeod

Site Principal Investigator:

McCluskey S

Co-Investigators: A Okrainec, MA

Aarts, N Siddiqui, CL Gotlib,

M McKenzie

Meineri, M

2011-2013

Ontario AHSC AFP Innovation Fund

Title: Virtual TTE: An interactive online teaching aid for learning transthoracic echocardiography.

Amount: \$194,000

Principal Investigator: M Meineri

Co-Investigators: A Vegas,

C Silversides, G Tait

Morgan, P

2013-2014

SIM-one Simulation Research and Innovation Grant

Title: Simulation Team Training and Critical Event Checklist use for optimizing the management of critical perioperative events in an ambulatory surgical facility.

Amount: \$24,940

Principal Investigator: Pam

Morgan

Collaborators: Tregunno D, Brydges R, Carnahan H, Kurrek M, Murnaghan ML, Semple J, Bell S, Groff N, Forde D. [Grants].

2013 Apr-2014 Mar

MOHLTC Innovation Fund, Alternate Funding Plan

Title: Simulation Team Training and Critical Event Checklist use for optimizing the management of critical perioperative events in an ambulatory surgical facility.

Amount: \$17,662.68

Principal Investigator: M Morgan

Collaborators: D Tregunno, R Brydges, H Carnahan, M Kurrek, ML Murnaghan, J Semple, S Bell, N Groff, D Forde. [Grants].

2013 Jan-2014 Jun

Canadian Medical Protective Association (CMPA)

Title: Simulation Team Training and Critical Event Checklist use for optimizing the management of critical perioperative events in an ambulatory surgical facility.

Amount: \$49,806.68

Principal Investigator: M Morgan

Collaborators: D Tregunno, R Brydges, H Carnahan, M Kurrek, ML Murnaghan, J Semple, S Bell, N Groff, D Forde. [Grants].

2012 Apr-2013 Mar

Alternate Funding Plan Innovation Fund

Title: Implementation of 23 hr length of stay for breast reconstruction surgery: Quality of Recovery evaluation following discharge.

Amount: \$29,720.82

Principal Investigators: J Semple

Collaborators: MH Brown, PJ Morgan, K Davidge. [Grants].

Co-Investigator: M Morgan

2011 Mar-2013 Mar

University of Toronto, Continuing Education and Research Development Award

Title: Using Situational Awareness Global Assessment Technique (SAGAT) for Interdisciplinary

Obstetrical Team Training using High-Fidelity Simulation.

Amount: \$4,950

Principal Investigator: M Morgan

Collaborators: D Tregunno, R Pittini, R Brydges, J Tarshis, M Kurrek, K Milne. [Grants].

Niazi, A

2013-2015

Ontario AHSC AFP Innovation Fund

Title: Use of Telesimulation to teach ultrasound guided regional anesthesia to anesthesiologists in Ontario.

Amount: \$80,940

Principal Investigator: A Niazi

Collaborators: VWS Chan, A Okrainec

O'Leary, J

2012-2013

South of Ireland Association of Anaesthetists, Research Grant

Title: Do viscoelastic assays of whole blood coagulation improve the management of coagulopathy in adults with major trauma compared with routine coagulation screening: A meta-analysis.
Total Amount: 2,000 EUR
Co-Principal Investigator: J O'Leary
Collaborators: NA McAuliffe, MW Crawford, GD Shorten

Orser, B
2013-2018
CIHR

Title: Preventing memory loss after anesthesia by inhibiting alpha 5 GABAA receptors
Amount: \$819,055
Principal Investigator: B Orser
Co-Investigators: N/A

2013-2016
Department of Medicine,
Integrating Challenge Grant

Title: Sleep and Sedation-Translational Science to Public Health.
Amount: \$450,000 for two years
Principal Investigator: R Horner
Co-Investigators: TD Bradley, F Chung, D Juurlink, M Mamdani, S Mukherjee, I Narang, B Orser, R Stremier

2011-2016
CIHR
Trans-Disciplinary team
Title: Research and Training Program in Sleep and Biological Rhythms
Amount: \$2,000,000
Principal Investigator: R Horner
Co-Investigator: B Orser

2011-2016
CIHR
Title: The role of GABA-A receptors in postoperative memory deficits.
Amount: \$860,535
Principal Investigator: B Orser
Co-Investigator: N/A

2009-2014
Canada Research Chair in Anesthesia, Tier 2, Renewal
Title: Anesthetic Drugs: From Molecular Mechanisms to Patient Safety

Amount: \$500,000
Principal Investigator: B Orser
Co-Investigator: N/A

2008-2013
CIHR
Title: Tonic GABAergic regulation of memory and plasticity
Amount: \$826,305
Principal Investigator: B Orser
Co-Investigator: N/A

Peng, P
2012-2013
Canadian Anesthesiologists' Society Research Award

Title: Effects of perioperative low-dose pregabalin on post-craniotomy pain: A two-centre randomized controlled trial.
Amount: \$30,000
Principal Applicant: A Rigamonti,
Co-Applicants: P Peng, L Venkatraghavan, M Cusimano, L Macdonald, J Hanlon

Riazi, S
2012
Physicians Services Incorporated (PSI) Foundation
Title: Calsequestrin-1, a candidate gene for the diagnosis of malignant hyperthermia, a study of molecular genetics of malignant hyperthermia.
Amount: \$22,000
Principal Investigator: S Riazi
Collaborators: WS Beattie, D MacLennan

Rigamonti, A
2012-Present
Canadian Anesthesiologists' Society

Title: Perioperative low-dose pregabalin for acute and chronic post-craniotomy pain: A two-centre randomized controlled trial.
Total Amount: \$30,000
Principal Investigator: A Rigamonti
Co-Investigator: MD Cusimano, R Loch.MacDonald, JG Hanlon, P Peng, L Venkatraghavan

2012-Present
Physicians Services Incorporated

Foundation (PSI)
Title: Observational Study of Cerebral Tissue Oxygen Saturation During Blood Transfusion in Severe Traumatic Brain Injured Patients.
Total Amount: \$90,000
Principal Investigator: V McCredie
Co-Investigator: AL Manoel, S Piva, A Rigamonti, GT Hare, AJ Baker

Ringsted, C
2013-2014
TrygFonden

Title: Effects of simulation-based ultrasound training on patient outcomes, acquisition of skills, and clinical effectiveness.
Amount: \$475,000 DKK
Principal Investigator: Tolsgaard MG
Collaborators: JL Sørensen, B Ottesen, A Tabor, C Ringsted

Tarshis, J
2012-2013
University of Toronto, Faculty of Medicine - Grant Miller Cancer Research Grants Community of Surgical Oncologists

Clinical, Evaluative, and Prospective Trials Team (HPB CONCEPT Team)
Title: Tranexamic Acid Versus Placebo to Reduce Perioperative Bleeding in Patients Undergoing Major Liver Resection: A Pilot, Randomized Controlled Trial
Amount: \$24,780
Co Investigators: P Karanicolas, Y Lin, J Tarshis, A Kiss, J Lam-McCulloch, Hepato Pancreatico Biliary

Taylor, K
2010-2012
Heart and Stroke Foundation,
Title: Mechanical Assist for the Lungs as a Means of Achieving Primary in-series Palliation for Single Ventricle Neonates.
Total Amount: \$38,055
Principal Investigator: G van Arsdell
Co-Investigator: K Taylor

2011-2012
Hospital for Sick Children Innovation Fund
Title: Hypertonic saline and pulmonary pressures in children. Hospital for Sick Children Innovation Fund
Total Amount: \$6,000
Principal Investigator: K Taylor
Collaborator: JA Kolsen Petersen

2011-2013
University of Toronto, Merit Award
Title: Clarity in Critical Moments-Audio – Recorded Resuscitation.
Total Amount: \$80,000
Principal Investigator: K Taylor
Collaborator: C Parshuram

2012 Jun-Present
Baxter Corporation Canadian Research Award in Anesthesia
Title: Evaluating Precision of Therapy - Milrinone. Canadian Anesthesiology Society
Total Amount: \$20,000
Principal Investigator: K Taylor
Collaborator: C Parshuram

Venkatraghavan, L
2013-2015
Ontario AHSC AFP Innovation Fund
Title: Measurement of cerebrovascular reactivity using BOLD-MRI combined with precise controlled changes in carbon dioxide. Is this new brain stress test?
Amount: \$181,001
Principal Investigator: L Venkatraghavan
Collaborators: D Mikulis, J Fisher, M Tymianski

Voigtlaender-Bolz, J
2011-2013
St. Michael's Hospital, Keenan Research Institute (KRI).
Total Amount: \$310,000
Principal Investigator: S-S Bolz
Collaborators: J Voigtlaender-Bolz, G Hare

Well, GD
2008-2013
Institute for Health
Title: Research (CIHR). High Impact Strategies Towards



Overweight Reduction in Youth (HISTORY). Emerging Team Grant.
Amount: \$2,500,000
Principal Investigator: J Hamilton
Co-Investigator: GD Wells

2010-2013
Canadian Institutes of Health Research, Circulatory and Respiratory Health.
Title: The biology of chronic preconditioning: genomic and physiologic mechanisms of response.
Amount: \$109,691
Principal Investigator: AN Redington
Co-Investigator: GD Wells

2011-2013
Canadian Gene Cure Foundation.
Title: Study to investigate the efficacy of L-arginine therapy on endothelium-dependent vasodilation and mitochondrial metabolism in heteroplasmic patients with MELAS syndrome.
Amount: \$75,000
Principal Investigator: I Tein
Co-Investigator: GD Wells

Wijeyesundera, D
2012-2016
Canadian Institutes of Health Research (CIHR)
Title: PeriOperative ISchemic Evaluation-2 (POISE-2) Trial.
Amount: \$3,684,006.
Principal Investigator: P Devereaux
Co-Investigator: D Wijeyesundera

2012-2015
Canadian Institutes of Health Research (CIHR)
Title: The METS (Measurement of Exercise Tolerance before Surgery) Study: An International Multicentre Prospective Cohort Study of Cardiopulmonary Exercise Testing For Improving Preoperative Risk Stratification for Major Non-Cardiac Surgery.
Amount: \$987,068.
Principal Investigator: D Wijeyesundera
Co-Investigators: WS Beattie, VWS Chan

2013-2015
Ontario AHSC AFP Innovation Fund
Title: The METS (Measurement of Exercise Tolerance before Surgery) Study: An International Multicentre Prospective Cohort Study of Cardiopulmonary Exercise Testing For Improving Preoperative Risk Stratification for Major Non-Cardiac Surgery.
Amount: \$190,397
Principal Investigator: D Wijeyesundera
Collaborators: B Cuthbertson, J Granton, P Oh, WS Beattie, R Brull, C McCarthey, D Mazer, H Wijeyesundera, A Smith, R Pearse, P Myles

Wong, J
2013-2015
Ontario AHSC AFP Innovation Fund
Title: Development and implementation of a perioperative smoking cessation program with computer-based patient education.
Amount: \$175,808
Principal Investigator: J Wong
Collaborators: F Chung, Z Friedman, R Davey, P Selby

You-Ten, E
2011-2013
The Doctors Company Foundation Ann S. Lofsky MD Research Award
Title: A Prospective Observational Study to Determine the Prognostic Value of Noninvasive Computed Tomography Coronary Angiogram for Cardiac Risk Stratification in Noncardiac Surgery- Role of the 320-Row Multidetector Computer Tomography.
Amount: \$5,000
Co-Principal Investigators: E You-Ten, S Beattie, N Paul
Co-Investigators: R Iwanochko, D Wijeyesundera, M Wasowicz, S McCluskey

2012-2013
Title: Translational Performance of Crisis Resource Management In In-Situ Simulation: A Multidisciplinary Randomized Controlled Study Comparing Simulation-Based Education versus Didactic Teaching.
Amount: \$24,000
Co-Principal Investigator: E You-Ten, S Perelman
Co-Investigators: N Siddiqui, C Arzola, Z Friedman

Zhang, H
2010-2015
Department of Foreign Affairs and International Trade (Canada), Going Global Innovation Grant, Science and Technology Div, GGI-11-127
Title: Animal studies of ventilator-induced lung injury.
Total Amount: \$5,544.16
Principal Investigator: H Zhang
Co-Investigators: N/A

2010-2015
Canadian Institutes of Health Research Operating Grant
Title: Mechanisms of ventilator-induced pulmonary fibrosis and its therapy.
Total Amount: \$798,747
Principal Investigator: H Zhang
Co-Investigator: A Slutsky

2011-2016
Canadian Institutes of Health Research
Title: Mechanisms of human neutrophil peptides in lung inflammation.
Total Amount: \$828,620
Principal Investigator: H Zhang
Co-Investigators: N/A

2013-2016
Canadian Institutes of Health Research
China-Canada Joint Health Research Initiative Grant
Title: Mechanisms of ventilator-induced lung injury and remodeling.
Total Amount: \$225,000
Principal Investigator: H Zhang
Co-Investigator: A Slutsky

Non-Peer Reviewed Grants

Angle, P

2012-2015

The Langar Foundation

Title: Multiphase study examining intracranial blood flow for diagnosis of PDPH using transcranial doppler blood flow velocity

Amount: \$60,000

Principal Applicant: P Angle

Co-Investigators: N/A

Chung, F

2012-2014

Pfizer Pharma

Title: Smoking Cessation Program in the Preoperative Clinic: The Combination of Counseling, Pharmacotherapy and Quit line

Amount: \$141,780

Principal Investigator: F Chung

Co-Investigators: N/A

Davies, S

2012-2013

Mount Sinai Hospital

Title: Online Continuing Education

Amount: \$5,000

Principal Investigator: S Davies

Co-Investigators: N/A

2011-2013

Abbott Laboratories

Title: Online Continuing Education Website Development

Amount: \$9,500

Principal Investigator: S Davies

Co-Investigators: N/A

2012-2013

Fresenius Kabi AG

Title: Online Continuing Education Website Development

Amount: \$12,000

Principal Investigator: S Davies

Co-Investigators: N/A

2012-2013

Zonare

Title: Online Continuing Education Website Development

Amount: \$5,000

Principal Investigator: S Davies

Co-Investigators: N/A

Djaiani, G

2010-2013

Hospira Incorporated

Title: Reducing delirium after cardiac surgery: a multifaceted approach to perioperative care

Amount: \$80,000

Principal Investigator: G Djaiani

Co-Investigators: R Katznelson, M Wasowicz, R Styra, V Rao

2012-2013

Fresenius Kabi

Title: Efficacy and safety of perioperative infusion of 6 % hydroxyethyl starch 130/0.4 in an isotonic electrolyte solution (VolulyteTM) vs. 5% HSA as volume replacement therapy during cardiac surgery for adult patients

Amount: \$74,000

Principal Investigator: G Djaiani

Co-Investigators: N/A

2012-2013

Hospira Incorporated

Title: Dexmedetomidine: Reducing Delirium Rates After High Risk Cardiac Surgery

Amount: \$67,000

Principal Investigator: G Djaiani

Co-Investigators: N/A

Gardner-Nix, J

2004-2012

Janssen-Ortho Inc

Title: A Study of Mindfulness-Based Chronic Pain Management based on Mindfulness-Based Stress Reduction: exploring its effectiveness on improving quality of life, pain scores, suffering and pain catastrophizing cognitions, and the effect of gender on outcomes

Amount: \$6,000

Principal Investigator: J Gardner-Nix

Co-Investigators: N/A

2011-2015

Canadian Institutes of Health Research

Title: Impact of self-management interventions on stable angina

Hanlon, J

2011-2015

Canadian Institutes of Health Research

Title: Impact of self-management interventions on stable angina



symptoms and health-related quality of life: A meta-analysis

Total Amount: \$155,055

Principal Investigator: M McGillion

Collaborator: J Hanlon

Hare, G

2010-2013

St. Michael's Hospital

Title: Toronto Centre for Microvascular Medicine

Total Amount: \$120,000

Principal Investigator: G Hare

Co-Investigator: N/A

2012-2013

Johnson & Johnson Medical Companies

Title: Salary support as Co-director of the Centre for Excellence for patient Blood Management and Hemostasis, St. Michael's Hospital and Li Ka Shing Knowledge Institute

Total Amount: \$140,000

Principal Investigator: G Hare

Co-Investigators: N/A

Jadad, AR

2010-2013

International Development Research Centre (IDRC)

Title: Public eHealth Innovation and Equity in Latin America and Caribbean

Amount: \$1,500,000

Principal Investigator: AR Jadad

Collaborator: A Cortinois (eSac)

2012-2014

Resources and Services Administration (HRSA) (USA)

Title: Academic Administrative

Units, Primary Care, Family Medicine. HRSA-10-

231. Developing Practice Transformation Capacity in a Family Medicine Academic Administrative Unit (AAU)

Amount: \$1,400,000

Principal Investigator: J Borkan

Collaborators: AR Jadad, W Miller, L Adams, P Grundy, C Eaton. Health

2012-2014

Green Shield Canada

Title: Health eConcierge

Amount: \$450,000

Principal Investigator: AR Jadad

Collaborators: J Bender, A Cortinois

Katz, J

2012-2014

Pfizer Neuropathic Pain Research Awards Program

Title: Phenomics and genomics of neuropathic pain

Amount: \$150,000

Principal Investigator: Z Seltzer

Co-Investigator: J Katz

Kim, H

2012-2014

CSL Behring

Title: REPLACE (Randomized evaluation of fibrinogen versus placebo in complex cardiovascular surgery): a prospective, multinational, multicenter, randomized, double-blind, placebo-controlled, phase III study for the use of Fibrinogen Concentrate (Human) (FCH) in complex cardiovascular surgery

Principal Investigator: D Mazer
Collaborators: M Peterson,
K Pavenski, H Kim

2013-2014

AlloCure Inc

Title: A Randomized, Multicenter, Double-blind, Placebo-controlled Study of AC607 for the Treatment of Acute Kidney Injury in Cardiac Surgery Subjects

Principal Investigator: D Mazer
Collaborators: V Verma, R Wald,
H Kim

Laussen, P

2012-2013

**Boston Children's Hospital –
Provider-Payer Quality Initiative
(PPQI)**

Title: Tracking, Trajectory &
Trigger tool (T3)

Amount: \$1,475,000

Principal Investigator: P Laussen
Co-Investigators: N/A

2012-2014

NIH-SBIR 1R43HL117340-01

Title: Risk Assessment Using
Non-Invasive Measurements in
Post-Operative Pediatric Patients
Amount: \$498,191

Principal Investigator: P Laussen
(on behalf of Boston Children's
Hospital)

Co Sponsor: Sterling Point
Research LLC

Maynes, J

2011-2016

University of Toronto

Title: Mechanisms of Anaesthesia
Toxicity

Total Amount: \$250,000

Principal Investigator: J Maynes
Co-Investigators: N/A

2012-2013

University of Toronto

Title: High-throughput Screening
using Pediatric Disease Targets

Total Amount: \$10,000

Co-Principal Investigator: J Coles,
J Maynes

2012-2013

The Rare Disease Foundation

Title: Cellular Toxicity of
Anesthetics in Children with

Mitochondrial Disease

Total Amount: \$3,500

Co-Principal Investigator:
Y Finkelstein

2012-2013

The Rare Disease Foundation

Title: Treatment of Congenital
Central Hypoventilation
Syndrome by Recovering Phox2b
Function.

Amount: \$3,500

Principal Investigator

Co-Investigator: N/A

2012-2013

**Hospital for Sick Children, Merit
Awards**

Title: Anaesthetic Effects on
Cellular Metabolism

Total Amount: \$40,000

Principal Investigator: J Maynes

Co-Investigators: N/A

2012-2014

Garron Foundation

Title: Repurposing of FDA-
Approved Drugs to Prevent
Cardiotoxicity in Cancer
Chemotherapy

Total Amount: \$48,800

Principal Investigator: J Maynes

Co-Investigators: J Coles

2012-2017

Hospital for Sick Children

Title: Cellular Effects of
Anesthetics

Total Amount: \$500,000

Principal Applicant: J Maynes

Co-Investigators: N/A

2013-2014

**Hospital for Sick Children,
Innovation Grants**

Title: Cellular Toxicity After
Anesthetic Exposure for Short
Surgical Procedures and
Identification of Attenuating
Agents in Young Children: An
Innovative, Translational Pilot
Study

Total Amount: \$8,500

Principal Investigator: J Maynes

Co-Investigators: Y Finkelstein

2013-2015

**University of Toronto, Merit
Awards**

Title: The use of iPSC-derived
cardiomyocytes as models for

drug toxicity

Total Amount: \$80,000

Principal Investigator: J Maynes

Co-Investigators: N/A

Mazer, CD

2012-2013

Boehringer Ingelheim (Canada) Ltd.

Title: A Randomized, phase II
study to Evaluate the safety
and pharmacokinetics of oral
dablgatran etexilate in patients
after heart valve replacement
(RE-ALIGN study)

Total Amount: \$77,885

Principal Site Investigator:

S Verma

Co-Investigator: CD Mazer

2012-2014

CSL Behring

Title: REPLACE (Randomized
evaluation of fibrinogen
versus placebo in complex
cardiovascular surgery): a
prospective, multinational,
multicenter, randomized, double-
blind, placebo-controlled,
phase III study for the use of
Fibrinogen Concentrate (Human)
(FCH) in complex cardiovascular
surgery

Total Amount: \$87,312

Principal Site Investigator:

CD Mazer

Co-Investigators: H Kim

2013-2014

Fresenius Kabi AG

Title: Efficacy and safety of
perioperative infusion of 6%
hydroxyethyl starch 130/0.4 in
an isotonic electrolyte solution
(Volulyte™) vs. 5% HSA as
volume replacement therapy
during cardiac surgery for adult
patients

Total Amount: \$89,700

Principal Site Investigator: CD

Mazer

Co-Investigators: N/A

2013-2014

AlloCure Inc.

Title: A randomized, multicenter,
double-blind, placebo-controlled
study of AC607 for the treatment
of acute kidney injury in cardiac
surgery subjects

Total Amount: \$16,950

Principal Site Investigator:

CD Mazer

Co-Investigators: H Kim

McCartney, CJL

2011-2013

Baxter Educational grant

Title: Continuous peripheral
nerve blocks for major
orthopedic surgery

Amount: \$39,600

Applicants: CJL McCartney,
M van der Vyver

Pollard, B

2012-2013

Provincial Innovation Funds

Title: Post-Operative Analgesia
with Continuous Peripheral
Nerve Block Catheter after Foot
and Ankle, or Shoulder Surgery
in Ambulatory Patient

Total Amount: \$35,600

Principal Investigator: B Pollard

Co-Investigators: T Daniels,
J Hall

Voigtlaendar-Bolz, J

2012-2015

**Canadian Institutes of Health
Research**

**Doctoral Award - Frederick Banting
and Charles Best Canada Graduate
Scholarships (CGS-D)**

Trainee: Meghan Sauve

Total Amount: \$105,000

Co-Investigators: S-S Bolz,
J Voigtlaender-Bolz



2012-2015
Canadian Institutes of Health Research
Doctoral Research Award - Priority Announcement: Hypertension (SHOPP)
Trainee: Sonya Hui
Total Amount: \$105,000
Co-Investigators: S-S Bolz, J Voigtlaender-Bolz

2012
Canadian Institutes of Health Research
Young Investigator Symposium Travel Award
Trainee: Andrew Levy
Total Amount: \$1,500
Co-Investigators: S-S Bolz, J Voigtlaender-Bolz

2011-2012
Government of Ontario
Ontario Graduate Scholarship in Science and Technology (OGSST)
Trainee: Sonya Hui
Total Amount: \$15,000
Co-Investigators: S-S Bolz, J Voigtlaender-Bolz

2011-2012
National Science and Engineering Research Council
MATCH Scholarship
Trainee: Sonya Hui
Total Amount: \$15,000
Co-Investigators: S-S Bolz, J Voigtlaender-Bolz

Wasowicz, M
2012

Thornhill Research Institute
Title: Clinical study to determine the effectiveness and safety of In-line Mobile Anesthetic Delivery Module (MADAM™) vaporizer
Amount: \$53,000
Principle Investigator: M Wasowicz
Co-Investigators: J Fisher, R Katznelson, L Fedorko, D Wijeyesundera





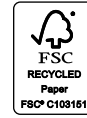
Our goal is to continue to expand our knowledge, to enhance our ability to impart our knowledge to our learners, and to ensure that we augment the delivery of care to our patients.

Paper Performance:

This report was printed using 1,160 lbs of Rolland Enviro100 Print 100% post-consumer paper.

By choosing environmentally friendly paper, we have achieved the following savings:

-  10 trees
-  36,005 L of water
103 days of water consumption
-  441 kg of waste
9 waste containers
-  1,448 kg CO2
9,685 km driven
-  9 GJ
40,013 60W light bulbs for one hour
-  2 kg NOX
emissions of one truck during 6 days



University of Toronto

Room 121, Fitzgerald Building

150 College Street

Toronto, Ontario M5S 3E2

P: (416) 946-0926

F: (416) 978-2408

E: anesthesia@utoronto.ca

www.anesthesia.utoronto.ca



Anesthesia
UNIVERSITY OF TORONTO

www.anesthesia.utoronto.ca