



Anesthesia
UNIVERSITY OF TORONTO

Anesthesia

2014-15 ANNUAL REPORT



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Chair's Introduction

Dr. Brian Kavanagh

We are one of the largest Anesthesia departments in North America – and certainly among the most productive

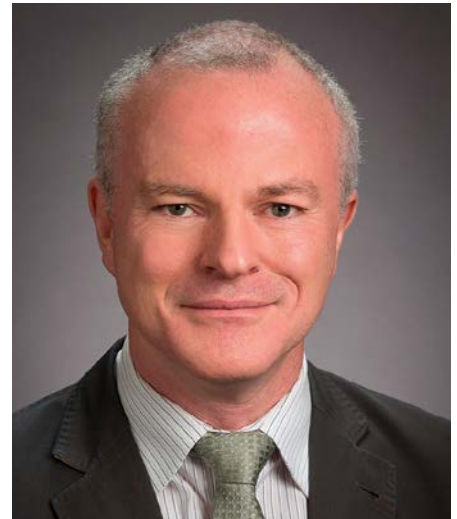
Welcome to the annual report of the Department of Anesthesia at the University of Toronto. In this concise document, you will get a sense of the department structure, who we are, and what we do. We have been the leading academic department in Canada for many years, and among the best in North America. You will identify those who stand out for excellence in their clinical and in academic endeavours and we share with the reader a comprehensive list of the productivity – in terms of clinical work done, papers published, research grants earned, and peer-reviewed papers published. We are very proud of our accomplished faculty but we pay attention in particular to those we train, our residents

and fellows. Please peruse this publication and learn a little more about us. For more information, we have just completed a brand-new website that contains full details of all events and activities. Please don't hesitate to connect with us.

Sincerely,



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. Mark Crawford.... Anesthesiologist-in-Chief, The Hospital for Sick Children
Dr. Gerald O'Leary Vice Chair, Clinical Practice, Anesthesiologist-in-Chief, Women's College Hospital and University Health Network (TGH, TWH, MSH)	Dr. David Mazer Vice Chair, Research	Dr. John Laffey Anesthesiologist-in-Chief, St. Michael's Hospital
	Dr. Sue Belo..... Anesthesiologist-in-Chief, Sunnybrook Health Sciences Centre	Ms. Wendy Kubasik..... Director, Administration

Undergraduate Education Programs

Dr. Isabella Devito Director	Dr. Diana Tamir Preclerkship Coordinator	Dr. Marjan Jariani OSCE Committee Representative
Dr. Clyde Matava Electives and e-Learning Coordinator	Dr. Anita Sarmah Simulation Coordinator	Ms. Kristin Rooney Undergraduate Program Assistant

Site Coordinators

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

Postgraduate Education Programs

Dr. Mark Levine Director	Dr. Tobias Everett 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. Lisa Bahrey. UHN-Toronto General Hospital	Dr. Alayne Kealey Sunnybrook Health Sciences Centre	Dr. Martin Ma... UHN-Toronto General Hospital
Dr. Deven Chandra..... St. Michael's Hospital	Dr. Kyle Kirkham UHN-Toronto Western Hospital	Dr. Elaine Ng..... The Hospital for Sick Children
Dr. Vaibhav Kamble Toronto East General Hospital	Dr. Henderson Lee Family Practice Anesthesia Program	Dr. Arun Prasad Women's College Hospital/ TWH
		Dr. Aliya Salman Mount Sinai Hospital

Fellowship Education Programs

Dr. Doreen Yee..... Director, Fellowship & International Graduate Programs	Ms. Kristina Matevski..... Program Assistant
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Site Coordinators

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

Continuing Education and Professional Development

Dr. Peter Slinger Director, CE-PD Programs	Dr. Zeev Friedman Chair, Annual Shields Research Day 2015	Dr. Martin van der Vyver Chair, Faculty Development Day 2014
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Faculty Development Programs

Dr. Martin van der Vyver Director

Department Committees

Executive Committee	B. Kavanagh (Chair), S. Belo, M. Crawford, W. Kubasik, J. Laffey, D. Mazer, D. McKnight, G. O'Leary
Education Council	D. McKnight (Chair), I. Devito, J. Hanlon, B. Kavanagh, H. Lee, M. Levine, K. Matevski (Secretary), C. Ringstead, P. Slinger, M. van der Vyver, D. Yee
Department Appointments Committee	B. Macpherson (Chair), S. Halpern, C. Loffelmann, K. Matevski (Secretary), M. O'Driscoll, A. Perlas
Promotions Committee	M. Crawford (Chair), S. Beattie, R. Brull, F. Chung, J. Katz, B. Kavanagh, J. Laffey, D. Mazer, B. Orser, J. Tarshis, J. Wassermann
Continuing Medical Education/ Professional Development	P. Slinger (Chair), E. AuYeung, S. Davies, E. Greenwood, K. Hussain, L. Isaac, B. Kavanagh, C. Knapp, R. Levene, C. Margarido, D. McKnight, S. Riazi, L. Roberts, M. van der Vyver, A. Van Rensburg, L. Venkatraghavan
Faculty Development	M. van der Vyver (Chair), L. Bahrey, K. Kanduja, B. Kavanagh, C. Matava, D. McKnight, N. Lo, S. Lilker, S. Riazi, P. Slinger
Fellowship Education Committee	D. Yee (Chair), K.J. Chin, P. McHardy, K. Matevski (Program Assistant), D. McKnight, A. Rigamonti, N. Siddiqui, C. Srinivas, I. Srinivasan
Postgraduate Education Committee	M. Levine (Chair), L. Bahrey, D. Chandra, I. Devito, T. Everett, B. Kavanagh, A. Kealey, K. Kirkham, S. Ladowski (PG2), M. Ma, K. Marseu, D. Mazer, D. McKnight, B. Morningstar, J. Morris (Secretary), E. Ng, A. Salman, S. Srikanarajah (PG5), C. Toguri (PG1), B. Yau (PG4), M. Weisbrod, S. Yu (PG3)
Research Committee	D. Mazer (Chair), A. Baker, S. W. Beattie, M. Crawford, Z. Friedman, S. Halpern, S. Kapoor, B. Kavanagh, M. Levine, A. MacArthur, D. McKnight, B. Orser, G. Petroz, D. Yee
Undergraduate Education Committee	I. Devito (Chair), E. Baig (Resident), V. Chinnappa, M. Choi, K. Rooney (Secretary), S. Desousa, H. Felice (Year 3 Rep), C. Flynn, A. Green, M. Joshi, B. Kavanagh, S. Lilker, C. Loffelmann, D. McKnight, P. Mark, C. Matava, H. Meng (Year 4 Rep), A. Niazi, L. Panos, A. Sarmah, E. Siu (Resident), D. Tamir, A. Tallmeister, D. Thakrar (Resident)
Faculty Development Day 2014 Planning Committee	M. van der Vyver (Chair), C. Matava, J. Morris, S. Riazi
Shields Research Day 2015 Planning Committee	Z. Friedman (Chair), B. Kavanagh, W. Kubasik, J. Morris

Fully Affiliated Hospitals

The University of Toronto and thus, the Department of Anesthesia, has full affiliation agreements with seven 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

Community Affiliated Hospitals

We are proud to have built strong relationships with several community-affiliated hospitals. Our clerks and residents participate in educational programs at these hospitals, and we have more than 160 part-time faculty members. Our community affiliates include:

- 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 Partners

Recognition of Excellence: Honours, Awards, Chairs and Promotions

The following university department awards were presented at the 36th Annual Shields Research Day, 2015:

- *The Dr. R.J. Byrick Award* recognizes the best fellow's research paper presented at the Annual Shields Research Day: **DR. NATALIE SILVERTON** (Fellow, UHN-Toronto General 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: **IRENE LECKER** (Graduate Student, Sunnybrook Health Sciences Centre)
- *The Dr. Hynek Rothbart Award* for the best paper presented by a resident at the Annual Shields Research Day: **DR. BEN STEINBERG** (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: **DR. MARCOS SILVA** (Sunnybrook Health Sciences Centre)
- *The UT David Bevan Best Shields Day Poster Award*: **DR. MARK MCVEY** (Fellow, The Hospital for Sick Children)
- *The Dr. Evelyn Bateman Award* is awarded in recognition of excellence in anesthesia at the undergraduate level: **MR. DAVID MACLEAN** (Undergraduate)
- *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: **DRS. CRISTIAN ARZOLA** (Mount Sinai Hospital), **BRUCE DODGSON** (The Hospital for Sick Children), **ALEX HO** (St. Michael's Hospital), **SYED ALI ABASS** (St. Joseph's Hospital), **PATRICK MARK** (Toronto East General), **RAY KO** (UHN-Toronto General Hospital), **BILL MIDDLETON** (UHN-Toronto Western Hospital), **ANUJ BHATIA** (Women's College Hospital), **MARIANNE GRAHAM** (Sunnybrook Health Sciences Centre)

The following university department awards were also bestowed in 2014-2015:

- *The Dr. John Desmond Award* recognizes excellence in clinical teaching of undergraduate students: **DR. CLYDE MATAVA** (The Hospital for Sick Children)
- *The Dr. Gerald Edelist Award* is awarded to a faculty member in recognition of excellence as a clinical teacher of residents in anesthesia: **DR. ALIYA SALMAN** (Mount Sinai Hospital)
- *The Dr. David Fear Award* is awarded for outstanding contributions to continuing medical education and continuing professional development in the Department of Anesthesia: **DR. TOBIAS EVERETT** (The Hospital for Sick Children)
- *The Interprofessional Teaching Award* recognizes outstanding teaching both within and outside of the anesthesia community: **DR. FIONA CAMPBELL** (The Hospital for Sick Children)
- *The Laws Travel Fellowship 2014* was awarded to: **DR. SANJO SRIKANDARAJAH** (Resident, PGY5)
- *Tuition awards* for our residents and fellows – to fund graduate level education programs – were also presented to: **DR. DAVID LEVIN** (PGY3), **DR. DAVID ORLOV** (Fellow), **DR. ERIC SIU** (PGY2)

Congratulations to UT Anesthesia Department members on their success at the 2015 Canadian Anesthesiologists' Society Annual Meeting (CAS)

- CAS Research Award in Neuroanesthesia: **DR. LAKSHMIKUMAR VENKATRAGHAVAN** (UHN-Toronto Western Hospital)
- Dr. Earl Wynands Research Award in Cardiovascular Anesthesia: **DR. JAMES O'LEARY** (The Hospital for Sick Children)
- Canadian Journal of Anesthesia Award: **DR. BEVERLY ORSER** (Sunnybrook Health Sciences Centre)
- CAS Residents' Research Grant: **DR. JOSH BELL** (St. Michael's Hospital)
- **CAS Best Paper Winners:**
 - Award for Best Paper in Critical Care: **DR. IRENE MCGHEE** (Sunnybrook Health Sciences Centre)
 - Neuroanesthesia Best Paper: **DR. SINZIANA AVRAMESCU** (Sunnybrook Health Sciences Centre)

Departmental Merit Awards: 2013-2015 Cycle

The following individuals have received competitive peer-reviewed merit awards through the UT Department of Anesthesia for the period of 2013-2015.

Research Merit Awards:

Recipient	Hospital	Project Title	Award Value/Annum
Andrew Baker	St. Michael's Hospital	Endothelial progenitor cells in mild traumatic brain injury: biomarker and mechanisms in recovery.	\$40,000
Mrinalini Balki	UHN-Mount Sinai Hospital	In-vitro and in-vivo approaches to improve treatment options for PPH in high-risk women.	\$40,000
W. Scott Beattie	UHN-Toronto General Hospital	Defining safe processes of care that reduce the impact of Perioperative Myocardial Infarction.	\$40,000
Richard Brull	UHN-Toronto Western Hospital	The facilitatory effects of perineural dexmedetomidine for interscalene block.	\$40,000
Ki Jinn Chin	UHN-Toronto Western Hospital	Validation of the analgesic efficacy of the Transversalis Fascia Plane (TFP) block – a novel technique in iliac crest bone graft harvesting.	\$40,000
Hance Clarke	UHN-Toronto General Hospital	The transition from acute to chronic postsurgical pain: a multicentre prospective study.	\$40,000
Brian Cuthbertson	Sunnybrook Health Sciences Centre	SuDDICU randomized clinical trial.	\$40,000
George Djaiani	UHN-Toronto General Hospital	Inhalational anesthesia and precipitation of dementia: is there a link?	\$40,000
Joseph Fisher	UHN-Toronto General Hospital	Application of automated precise control of arterial blood partial pressure of gases: CO ₂ , O ₂ , CO and anesthetic vapours.	\$40,000
Greg Hare	St. Michael's Hospital	Treatment of anemia to improve patient outcomes: a translational research program.	\$40,000
Keyvan Karkouti	UHN-Toronto General Hospital	What causes transfusion-related acute organ injury and how can it be avoided?	\$40,000
John Laffey	St. Michael's Hospital	Optimising the therapeutic potential of human Mesenchymal Stromal Cells (hMSCs) for Acute Respiratory Distress Syndrome.	\$40,000
Jason Maynes	The Hospital for Sick Children	The use of iPSC-derived cardiomyocytes as models for drug toxicity.	\$40,000
David Mazer	St. Michael's Hospital	Reducing adverse outcomes in cardiac surgery related to tissue hypoxia.	\$40,000
Colin McCartney	Sunnybrook Health Sciences Centre	OPRA: Optimizing Pain and Rehabilitation after Knee Arthroplasty?	\$40,000
Sheila Riazi	UHN-Toronto Western Hospital	Skeletal muscle bioenergetics and mitochondrial function in malignant hyperthermia patients (MHS).	\$40,000
Charlotte Ringsted	UHN-Toronto General Hospital	Research program in anesthesia education and practice.	\$40,000
Elod Szabo	The Hospital for Sick Children	Defining gating pore current elicited signaling pathways in cardiac cells.	\$40,000
Marcin Wasowicz	UHN-TGH	Thinking outside the box – innovations in peri-operative medicine.	\$40,000
Duminda Wijeyesundara	UHN-TGH	Improving perioperative risk assessment and outcomes: an integrated research program.	\$80,000

Education and CPA Merit Awards:

Recipient	Hospital	Project Title	Award Value/ Annum
Tobias Everett	The Hospital for Sick Children	Discovering determinants of clinical team performance using in-situ interprofessional simulation.	\$40,000
Zeev Friedman	UHN-Mount Sinai Hospital	Using "Cockpit Resource Management" for challenging critical errors by a superior.	\$40,000
Megan Hayter	St. Michael's Hospital	Simulation-based research to enhance education – establishing the role of mental practice.	\$40,000
Massimiliano Meineri	UHN-Toronto General Hospital	On-line virtual point of care ultrasound module and handbook.	\$20,000
Ahtsham Niazi	UHN-Toronto Western Hospital	Telesimulation: can it be used to teach ultrasound guided brachial plexus block to anesthetists in Ontario?	\$20,000

Additional Awards and Honours

We are pleased to highlight the following honours and awards received by faculty members in 2014-2015:

SINZIANA AVRAMESCU

- Junior Faculty Research Award, 61st Annual Meeting of the Association of University Anesthesiologists, Stanford, California, 2014

ANUJ BHATIA

- People's Choice Award for the Best Poster Presentation at Faculty Development Day, Department of Anesthesia, University of Toronto, Toronto, Ontario, 2014
- Clinical Excellence, Women's College Hospital, Toronto, Ontario 2014

VINCENT WS CHAN

- Professional Achievement Award, Chinese Professionals Association of Canada, Toronto, Ontario, 2014

STEPHEN CHOI

- Best regional anesthesia teacher, Department of Anesthesia, Sunnybrook Health Sciences Centre, Toronto, Ontario 2014

MARIANNE GRAHAM

- Clinical Excellence Award, Department of Anesthesia, Faculty of Medicine, University of Toronto, Toronto, Ontario, 2015

JANE HEGGIE

- Dr. John Bradley Award for Continued Excellence in Teaching, Mount Sinai and University Health Network Department of Pain Management and Anesthesia, Toronto, Ontario, 2014

EDGAR HOCKMAN

- Dr. Bob Mackenzie Teaching Award, Department of Anesthesia, Sunnybrook Health Sciences Centre, Toronto, Ontario 2014

SUNIL KAPOOR

- Postgraduate Teaching Award, Toronto East General Hospital Department of Anesthesia, Toronto, Ontario, 2015

KYLE KIRKHAM

- New Faculty Teaching Excellence Award, University of Toronto, Department of Anesthesia, Toronto, Ontario, 2014

JONATHAN KONG

- Dr. Gil Faclier CANMED Award, Sunnybrook Health Sciences Centre, Department of Anesthesia, Toronto, Ontario, 2014

PATRICK MARK

- Award for Clinical Excellence, University of Toronto, Department of Anesthesia, Toronto, Ontario, 2015

HAZEL MARKWELL

- Alumna of the Year, St. Paul's University, Ottawa, Ontario 2014

JACOBO MORENO

- Best Publication Award, Catalan Resuscitation Council, 2015

PAM MORGAN

- Outstanding Paper Presentation: "Quality of Recovery in Women Undergoing Autogenous Breast Reconstruction in an Ambulatory Setting." American Society of Plastic Surgeons Annual Meeting, Chicago, Illinois, 2014

AHTSHAM NIAZI

- Best Oral Presentation: "Telesimulation: An Effective and Feasible Method to Teach Ultrasound-Guided Regional Anesthesia Remotely." Department of Anesthesia Faculty Development Day, University of Toronto, Toronto, Ontario, 2015
- Dr. John Desmond Award for excellence in undergraduate teaching, University of Toronto, Department of Anesthesia, Toronto, Ontario, 2014
- Individual Teaching Excellence Award, Wightman-Berris Academy, Faculty of Medicine, Toronto, Ontario, 2014

ANAHI PERLAS

- David Fear Award for outstanding contributions to Continuing Medical Education and Professional Development, University of Toronto, Department of Anesthesia, Toronto, Ontario, 2014
-

ARUN PRASAD

- Fellowship Teaching Award, Department of Anesthesia, University Health Network Anesthesia Associates, Toronto, Ontario, 2014
-

MANDEEP SINGH

- Best of Category research abstract, 2015 International Anesthesia Research Society meeting, Honolulu, Hawaii, 2015
-

DIANA TAMIR

- Award for Excellence in Undergraduate Teaching, Mount Sinai Hospital and University Health Network, Department of Anesthesia and Pain Management, Toronto, Ontario, 2015
-

PAUL TUMBER

- Dr. David Bevan Award for Excellence in Inter-Professional Education, Mount Sinai Hospital and University Health Network, Department of Anesthesiology and Pain Management, Toronto, Ontario, 2015
-

ADRIAAN VAN RENSBURG

- Award of Excellence in Continuing Medical Educational Development, Department of Anesthesia, Faculty of Medicine, Toronto, Ontario, 2014-2015
-

LAKSHMIKUMAR VENKATRAGHAVAN

- Clinical Excellence Award, Department of Anesthesia, University of Toronto, Ontario, 2014
-

MARCIN WAŚOWICZ

- Best Clinical Abstracts: “*Unresolved dilemmas in perioperative management of post-PCI patients undergoing non-cardiac surgery.*” American Society of Anesthesiologists, 2014
 - Seoul Award for top clinical abstracts: “*Fluoride levels with long-term volatile sedation within the intensive care unit.*” World Federation of Societies of Intensive and Critical Care Medicine, Seoul, Republic of Korea, 2015
-

HANNAH WUNSCH

- Presidential Citation, Society of Critical Care Medicine, 2014
-

Faculty Promotions and Recognition

Academic Promotions: July 2014 – June 2015

We are very pleased to announce the following academic promotions, effective July 1, 2014:

To the rank of Full Professor:

- **DR. RICHARD BRULL**
(Women’s College Hospital)
- **DR. GREGORY HARE**
(St. Michael’s Hospital)
- **DR. SALVATORE SPADAFORA**
(Mount Sinai Hospital)

To the rank of Associate Professor:

- **DR. JACKIE GARDNER-NIX**
(St. Michael’s Hospital)
- **DR. MARIANNE GRAHAM**
(Sunnybrook Health Sciences Centre)
- **DR. HENDERSON LEE**
(Toronto East General Hospital)

We are also pleased to announce the following junior academic promotions, effective as noted:

To the rank of Assistant Professor:

- **DR. HAN KIM HAN**
(St. Michael’s Hospital)
Effective January 1, 2015
- **DR. ILAVAJADY SRINIVASAN**
(The Hospital for Sick Children)
Effective January 1, 2015

Enhancing Clinical Practice

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

“We use an interdisciplinary team approach to provide the best possible care”

The Department of Anesthesia at the University of Toronto across its affiliated hospitals strives to provide excellence in clinical care, research and education. Over the last five years, we have built on our interdisciplinary team approach of anesthesia assistants, nurses and nurse practitioners to provide the best possible care. We have by far the largest anesthesia assistant program, the largest and most successful FP Anesthesia program, and the only Nurse Practitioner-Anesthesia in Canada.

We used the lessons that we had learnt from SARS to be prepared for a potential

EBOLA outbreak in Canada last year. We had (and still do) have teams trained to work in pairs to safely apply and remove appropriate protective equipment, whether PPE or PAPR, for staff to be able to safely intubate potential EVD patients in the emergency rooms and transfer to ICU isolation rooms or indeed take them to the operating rooms for surgery.

We are also integral to the Toronto Academic Pain Medicine Institute (TAPMI). This collaborative approach to redefining pain care across the UofT academic health science centre hospitals is one of six project sites that the MOHLTC in Ontario is currently supporting.

It complements the new UoT two year residency in chronic pain program and represents a collaborative interdisciplinary approach to pain management with Women's College Hospital being the hub



for a hub and spoke model of chronic pain care integration in Toronto.



Anesthesia Education at the University of Toronto

Report from Dr. David McKnight, Vice Chair, Education

“We are constantly stimulated by the intelligence and enthusiasm of our learners at all levels.”

It is again my pleasure to introduce the Education section of the annual report. We are a very large university department with almost 400 faculty members based in 14 affiliated hospital sites including a number of community hospitals. We are constantly stimulated by the intelligence and enthusiasm of our learners at all levels – medical students, anesthesia residents and fellows, and a large number of graduate students in MSc and PhD programs. We also have many continuing education programs for physicians in practice and an active program of faculty development for our own members. We are proud of

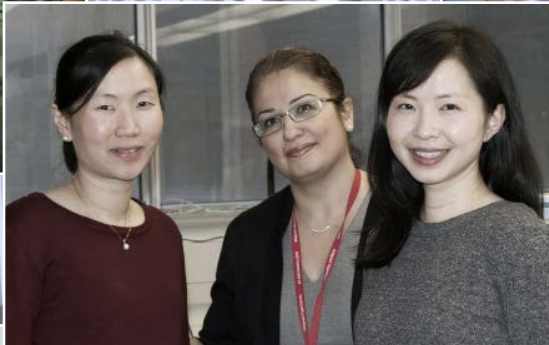
the many faculty members who conduct educational research and of the many innovators in medical education.

In the sections that follow, you will read about the achievements in each of our programs. You will read about continuing innovation in the undergraduate program, the successes of our residents and fellows, the many events and courses and online resources for continuing education, and our successful faculty development events. New this year is a report from Dr. John Hanlon, inaugural program director of the Pain Medicine Program, a multidisciplinary program sponsored by the Department of Anesthesia.

The University of Toronto Department of Anesthesia is a leader in anesthesia education due to the excellence and hard work of the many people, both faculty and trainees, that you will read about



in this report –and many, many more. I acknowledge and am grateful for their hard work and congratulate them on their achievements.



Undergraduate Education Programs

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

“The strength of our undergraduate program can be attributed to an exceptional group of educators who share a common vision and goal.”

The 2014–15 academic year maintained the department’s focus on innovation with a number of initiatives. We continued using the flipped classroom model for the Anesthesia Clerkship and introduced the Longitudinal Integrated Curriculum (LiNC) at St. Michael’s Hospital under the leadership of [DR. CAROL LOFFELMANN](#). This was also the inaugural year of the Anesthesia Career Exploration program (ACE) under the leadership of Dr. Ehtesham Baig.

We introduced the flipped classroom model to the Anesthesia Clerkship rotation in the 2013–2014 academic year. During this academic year we continued to refine the model with e-learning and simulation incorporating Team Based Learning (TBL) and gaming, as well as Case Based Learning (CBL). Student feedback has been very positive, with the students rating e-modules as an effective way of learning 4.17/5, simulation as an effective learning modality 4.38/5 and CBL contributing to learning 4.21/5, with comments such as:

“Best overall rotation thus far in clerkship (and only 1.5 to go!).”

“The seminar days (Simulation & CBL) were the two best seminar days in all rotations.”

“Amazing organization and overall a great use of time.”

The overall educational experience was rated at 4.07/5. Both [DR. ANITA SARMAH](#) and [DR. CLYDE MATAVA](#) were instrumental in making this program a success, as well as all the exceptional and dedicated coordinators at each site.

We have become leaders in the field of the flipped classroom model with an oral presentation, a poster presentation and a workshop lead by Dr. Matava, Dr. Sarmah and myself at the Canadian Conference in Medical Education (CCME) in Vancouver, Canada in 2015. Our innovation has also been accepted for e-poster presentation at the Association of Medical Education in Europe (AMEE) in Glasgow, Scotland.

This academic year marked the establishment of the LiNC program with Dr. Loffelmann leading the Anesthesia component at St. Michael’s Hospital. In this curriculum the anesthesia rotation occurs throughout the year, not in blocks as in the traditional rotation. All students were assigned either one or two preceptors that continued with them throughout the year. The students in this program performed exceptionally well at Exit Simulation Day, where knowledge gained is integrated into clinical performance.

Under the leadership of [DR. EHTSHAM BAIG](#), the inaugural Anesthesia Career Exploration (ACE) program was held in June 2015. A pilot program was developed involving five second year students; students shadowed faculty at five focused hospital sites in the morning on a rotating basis (trauma and general anesthesia at St. Michael’s Hospital, obstetrical anesthesia at Mount Sinai Hospital, regional anesthesia at Toronto Western Hospital, pediatric anesthesia at the Hospital for Sick Children,



and cardiac anesthesia at Toronto General Hospital). They later attended workshops highlighting various aspects of anesthetic practice. The workshops included adult and pediatric airway management, intravenous insertion, epidural and spinal anesthesia, regional anesthesia with peripheral ultrasound and simulation highlighting resuscitation. The program received an overall rating of 4.67/5. Dr. Baig was assisted in this program by [DR. CLYDE MATAVA](#) and [DR. TOBY EVERETT](#) as well as site coordinators [DR. AHTSHAM NIAZI](#), [DR. MARJAN JARIANI](#) and [DR. MITAL JOSHI](#).

The Point of Care Ultrasound program integrating basic anatomy with bedside ultrasound continued this academic year under the leadership of [DR. CATHERINE NIX](#) and [DR. JONATHAN AILON](#) (Internal Medicine), with the assistance of [DR. RICHELLE KRUISSELBRINK](#). We are continuing to work with the advancement office to assure continuation of this project.

DR. DIANA TAMIR continues to lead our Anesthesia Interest Group (AIG) which remains extremely popular with our first and second year students. The group hosted another successful Student Information Night as well as workshops on airway management and bedside ultrasound. Interest in these workshops surpassed available spots.

Dr. Clyde Matava coordinates an extremely popular electives program that attracts students from local, national and international schools. We continue to offer selective experiences within the Transition to Residency Course at downtown, community and rural hospitals.

We maintain a strong presence in the pre-clerkship, with faculty participating as tutors in ASCM I and II, Brain & Behavior, MMMD (Mechanism, Manifestations, and

Management of Disease) and Metabolism and Nutrition. DR. JEFF WASSERMAN continues to lead an exceptional trauma week in MMMD. Our faculty continue to be involved as Academy Scholars with the Portfolio Program and as evaluators in the iOSCE assessment.

Challenges for the upcoming academic year include the expansion of the LInC program to Sunnybrook, North York General Hospital, Toronto Western Hospital and Toronto East General Hospital, incorporating the POCUS curriculum within the newly designed pre-clerkship program set to begin in September 2016 and the expansion of the Anesthesia Career Exploration (ACE) program.

The strength of our undergraduate program can be attributed to an exceptional group of educators who share

a common vision and goal, and are the epitome of a highly functioning team. Without them, such an innovative program would not have been possible. The other strength of our program is our dedicated faculty who embrace undergraduate teaching at all levels: mentorship, pre-clerkship and clerkship. Our program can be best summarized by student feedback that appeared as a recurring theme:

Overall this was the best organized, most effective, and enjoyable rotation I have had to date!! The attending doctors were uniformly fantastic – approachable, wonderful teachers, engaging, and dedicated to ensuring we had a positive and productive learning experience! Despite the short rotation I was able to learn and refine many new skills and advance my knowledge significantly.



Postgraduate Education Programs

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

“Our program continues to be very popular amongst applicants from Canadian medical schools as well as international medical graduates.”

The Residency Program at the University of Toronto is the largest in Canada with 103 residents. Our program continues to be very popular among applicants from Canadian medical schools as well as international medical graduates. We welcomed 20 new PGY1 residents in July 2014 as Canadian medical graduates, including two who matched to our Clinician Investigator Stream (CIP), 4 international medical graduates and one sponsored trainee. All positions were filled in the first iteration of the CaRMS match and were filled with our top-ranked applicants. In addition, we accepted two very strong trainees at the PGY2 level in transfer from other programs.

The Clinician Investigator Program has been designed to educate residents in science and medicine so that they are well prepared to embark on careers as clinician scientists. In 2014/15 we had seven residents enrolled in this stream, including Drs. Neil Goldenberg and Ben Steinberg who both completed very

successful post-doctoral studies in the past year. Four of our residents were enrolled in advanced degree programs: Dr. Gianni Lorello completed a Masters in Education at the University of Toronto, Drs. David Levin and Tyler Law completed Masters in Health Policy at the London School of Hygiene and Tropical Medicine and London School of Economics and Dr. James Khan completed a Masters in Clinical Epidemiology and Biostatistics at McMaster University. Our residents were also very successful in acquiring very competitive research awards: Drs. Joshua Bell and Michael Sklar were both recipients of PGME Resident Research awards and Dr. Ben Steinberg received a CSCI/CIHR research award. Dr. Bell was also the recipient of the 2015 CAS resident research grant.

Many of our residents presented research findings at the Annual Shields Research Day. Dr. Ben Steinberg was the recipient of the Hynek Rothbart Award for best resident oral presentation. The Thomas Donald Hammell Award, for the resident who is identified by his/her peers as the person who has made the greatest contribution to the program, was presented to Dr. Marcos Silva. The Laws Travel Award was presented to Dr. Sanjo Srikandarajah and tuition awards were presented to Drs. David Levin and Eric Siu.



In the spring of 2015, all 19 final year residents were successful at the Royal College Examinations and many have remained on as fellows or faculty members at our teaching sites. In June of 2015 a reception was held to celebrate the successful completion of residency. This event was attended by the graduating anesthesiologists, their family members and a number of faculty members. Dr. Tim Rutledge, President and CEO of North York General, was the keynote speaker at this event.

Anesthesia Residents: 2014-2015

PGY5

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

PGY4

Baig, Ehtesham	Fraser, Tyler	Moeenalsadat, 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	

PGY3

Andrawes, Maged	Koziak, Adrian	Miller, Marcus	White, Alexander
Boulis, Sherif Refaat	Lam, Karen	Nkemngu, Njinkeng	Wiegelmann, Julian
Dinsmore, Michael	Law, Tyler	Petre, Maria-Alexandra	Yu, Savio
Dube, Rebecca	Lee, Kenneth	Suen, Alexander	
Duncan, Dallas	Levin, David	Valeeva, Liliya	
Knight, Jeffrey	Li, Melinda	Van Haaften, Timothy	

PGY2

Bartoszko, Justyna (CIP)	Ladowski, Stephanie	Perez D'Empaire, Pablo	Siddiqui, Asad (CIP)
Bragg, Susan	Lam, Thach	Roy, Debashis	Siu, Eric
Chan, Stephen	Lane, Sophia	Salmikivi, Lance	Vorobeichik, Leon
Elman, Joel	Nurmohamed, Aliya	Sellings, Laurie	
Goldmacher, Jesse	Padzic, Jan	Sharma, Richa	

PGY1

Bell, Joshua	Clivatti, Jefferson	Parajian, Talar	Sawicki, Christian
Bopardikar, Ameya	Garg, Nitán	Rotstein, Alexandra	Sivananthan, Lavarnan (CIP)
Brown, Tyler	Han, Jay	Salvatori, Marcus	Toguri, Clare
Chaparro Gomez, Luis	Meng, Howard	Sankar, Ashwin (CIP)	Turnock, Matthew
Choi, Diana	Oyberman, Inna	Sarhan, Mazin	Wong, Eric

(CIP) – Clinician Investigator Program

Pain Medicine Residency Program

Report from Dr. John Hanlon, Director, Pain Medicine

“Our overall goals are to provide outstanding pain medicine education in a multidisciplinary academic environment.”

Pain medicine is a new two-year subspecialty residency initiated by the Royal College of Physicians and Surgeons of Canada [RCPSC]. Upon graduation, these specialists will be experts in the prevention, diagnosis, treatment and rehabilitation of the spectrum of acute pain, cancer pain and non-cancer pain problems.

Across Canada, pain medicine residency programs will be housed within the parent specialty of the Departments of Anesthesia and will accept applicants from a total of eight specialties (anesthesiology, emergency medicine, internal medicine, neurology, pediatrics, physical medicine and rehabilitation, psychiatry, rheumatology). Residents will enter at the level of PGY6.

The Pain Medicine Program Director portfolio was established at the University of Toronto in July 2014. Supported by Program Assistant Jennifer Morris, it has been an extremely busy and productive year. Our most significant achievement was the successful application to the Royal College for accreditation of our residency training program. We received “Accredited New Program” in April 2015. Overall, the RCPSC considered our application very strong identifying only minor areas for further development.

We have also established a truly multidisciplinary Residency Program Committee (RPC) as outlined below. This committee is comprised of physicians from seven specialties and will oversee all aspects of the Pain Medicine Residency. Our goals are to provide outstanding pain medicine education in a multidisciplinary academic environment. We have strived to apply new

technology and educational practices to enhance the experience of our learners in each step of the program and curriculum development. These technologies include simulation training, teleconferencing and the long term goal of establishing a nation-wide pain medicine ground school and e-modules. Such educational practices are especially important for very small programs such as ours where delivering weekly didactic sessions to one or two residents on an ongoing basis is simply not sustainable.

To date, we have successfully developed clinical rotations at all multi-disciplinary Pain Medicine Clinics across the city.

The residents will also participate in core rotations at multiple world-renowned institutions learning from experts in pediatric pain (Hospital for Sick Children), cancer pain (Princess Margaret Hospital) and psychiatry and addiction medicine (Centre for Addiction and Mental Health). We have developed a number of rotations so far, including an outpatient multidisciplinary pain clinic and blocks in psychiatry, addictions, neurology, physical medicine and rehabilitation and rheumatology, acute pain service, cancer pain and symptom management, as well as pediatric pain service. Residents may also select five additional blocks from adolescent medicine, bioethics, community-based experience in pain medicine, diagnostic imaging, education/curriculum development, gastroenterology, interventional pain medicine/neuromodulation, obstetrics and gynecology, orthopedic/spine surgery, palliative care service, public health and preventive medicine, research methodology/biostatistics, or sleep medicine.

Clinical rotation objectives provide residents with increasing responsibilities in patient care and manual and interpretive skills related to pain medicine. We have no doubt that upon completion of training



here at the University of Toronto residents will be competent specialists in pain medicine capable of assuming a consultant’s role in the subspecialty.

We have also worked diligently to develop a comprehensive didactic curriculum where residents will acquire a working knowledge of the theoretical basis of the subspecialty, including its foundations in the basic medical sciences and research. The curriculum is based on extensive knowledge objectives and an organized educational series, which will also include sessions in ethics, critical appraisal, teaching and communication skills and the skills of practice management. Many of the resident seminars have already been developed and include an introduction to a wide range of pain medicine topics and related subjects such as stress management, communication skills, and biostatistics and critical appraisal.

The University of Toronto is a rich environment for scientific enquiry and some form of scholarly project will be mandatory. Dr. Hance Clarke, Medical Director of the Pain Research Unit at Toronto General Hospital, will be the faculty member responsible for facilitating the involvement of residents in research. Together with identified supervisors, residents will experience all phases of

research projects including the design, conduct and analysis of data as well as the presentation and publication of results.

The University of Toronto has been able to secure funding for two spots starting in July of 2016. A total of eight applicants from multiple specialties applied with file review, interviews and candidate selection commencing in November 2015.

For 2015-16 our major challenges will be to ensure high quality rotations and evaluations for PGY6 trainees. Further challenges will be to ensure high quality

rotations in addictions as well as headache-neurology, rotations that are already oversubscribed by existing trainees. Lastly, we must ensure that existing pain fellows do not detract from the clinical training of new pain medicine residents.

These are truly exciting and paradigm-shifting times for pain medicine in Canada and we look forward to welcoming our first two successful candidates in July. We are confident that the University of Toronto pain medicine residency program will offer unparalleled learning opportunities in pain medicine training

enabled by our internationally recognized teaching staff, high research productivity, great hospital facilities and high patient volume.

This endeavor would not be possible without the support, hard work and dedication of many outstanding clinicians and educators across the Faculty of Medicine. I extend my deep gratitude to them as I know it is through their work and vision, we will ensure the success of our program and trainees.

Name	Specialty	Major Site Affiliation	Major Program Responsibility
John Hanlon	Anesthesiology	Saint Michael's Hospital	Program Director
Allan Gordon	Neurology	Mount Sinai Hospital	Multidisciplinary Pain Clinics
Stephen Brown	Pediatric Anesthesiology	The Hospital for Sick Children	Pediatric Pain Rotation
Jacqueline Hochman	Rheumatology	Women's College Hospital	MSK – Rheumatology Rotation
John Flannery	Physiatry	UHN-Trillium Health Partners	MSK – Physiatry Rotation
Julia Ridley	Palliative Care	UHN-Princess Margaret Hospital	Cancer Pain Rotation
Jason Lazarou	Neurology	UHN-Toronto General Hospital	Neurology Rotation
Peter Selby	Addictions and Psychiatry	Centre for Addiction and Mental Health	Psychiatry and Addictions Rotation
Martin van der Vyver	Anesthesiology	Sunnybrook Health Sciences Centre	Acute Pain Service Rotation
Paul Tumber	Anesthesiology	UHN-Toronto Western Hospital	Interventional Pain Rotation
Resident	TBD	N/A	Resident Representative
Jennifer Morris	N/A	N/A	Program Administrator
Brian Kavanagh	Anesthesiology	The Hospital for Sick Children	<i>ex-officio:</i> Chair of Sponsoring Department

Fellowship Programs

Report from Dr. Doreen Yee, Director, Fellowship Programs

“Our department is truly privileged to have such qualified, hard-working fellows.”

The Department of Anesthesia’s fellowship program continues to be an attractive one for both Canadian and international applicants. Subspecialty training remains 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. More Canadian-trained anesthesia residents are applying for fellowships now than ever before and many internationally-trained medical graduates are looking to come to or return to Canada. As a result, more fellows are sitting the Royal College exam during their fellowship year.

One of the strengths of our program is that the majority of fellows have an opportunity to do some kind of research work with a mentor. The number of research opportunities is evidenced by the fact that more than 40% of the presentations at Shields Research Day were given by fellows. Dr. Natalie Silverton won this year’s Dr. R. J. Byrick Award for the best fellow’s

research paper presentation. A number of the presentations from Shields Research Day went on to be presented at the annual Canadian Anesthesiologists’ Society meeting the following month, as well as other national and international meetings. Dr. Chiraag Talati, obstetrics fellow at Mount Sinai Hospital, won best obstetrics paper at the Canadian Anesthesiologists’ Society meeting. Perioperative fellow Dr. Mahesh Nagappa’s presentation won for best of the meeting and best of the category award in sleep medicine for his presentation on perioperative continuous positive airway pressure and obstructive sleep apnea at the International Anesthesia Research Society meeting in Montreal. Dr. Matthew Coghlan won second place at the Society for Pediatric Anesthesia Young Investigator Awards. A summary of the academic productivity of our fellows can be found in the table below.

This year fellows were invited on a voluntary basis to be involved in undergraduate teaching as workshop station leaders at an Anesthesia Interest Group organized evening. The stations included teaching of airway skills, ultrasound visualization of nerves and vessels, and vascular access, to name a few. It was an exciting opportunity for teaching and interaction between fellows



and medical students. Everyone found the evening enjoyable, and it is hoped that this will inspire our students to consider anesthesia as a career.

The Professor’s Rounds for fellows continue to be a success, and attract 20-40 fellows monthly. Nine talks were given across a wide variety of topics by our faculty experts.

Our department is truly privileged to have such qualified and hard-working physicians seeking to become a part of our fellowship program.

Academic Productivity of Fellows

Site /# fellows	HSC (12)	SMH (15)	TGH (25)	TWH (23)
Publications	4	9	14	42
Abstracts/Presentations	13	15	-	30
Exams passed (TEE, FRCPC)	-	5	6	-
In Master’s program	-	2	-	-
Staff/consultant position after	8	9	4	3

Anesthesia Fellows: 2014-2015

The Hospital for Sick Children

Aoyama, Kazuyoshi Japan	Howell, Victoria .. United Kingdom	McVey, Mark..... Canada	Tsang, Maisie Canada
Balakrishnan, Sindu..... India	Keilman, Jeffrey Canada	Mauron, Sylvain..... Switzerland	Séguin, Patrick..... Canada
Chin, Vanessa..... Jamaica	Klonorakis, Jim..... Canada	Pearson, Annabel United Kingdom	Skelton, Teresa..... Canada
Finnerty, Olivia ... United Kingdom	Lam, Mandy..... Canada	Richards, Elizabeth..... Australia	Watkins, Jessica Canada
Heather, David Australia	Laskine-Holland, Marie-Laure Switzerland	Tang, Yee Kwan Hong Kong	

Mount Sinai Hospital

Alraffa, Abdulla Saudi Arabia	Jeffery, Andrew..... Canada	Petrounevitch, Vitali..... Canada	Varadharajan, Ramesh..... India
Barrett, Nicholas Ireland	Le, Nam Canada	Schneider, André..... Brazil	Vyakernam, Ramakrishna United Kingdom
Correa, Denis India	Manickavasagam, Uma..... United Kingdom	Subramanian, Chandrasekran ... United Kingdom	
De Guzman, Cecilia Canada	Oliveira, Katia Brazil	Tabl, Samar..... Canada	
Epszstein Kanczuk, Marcelo Brazil	Patel, Ruchera ... United Kingdom	Talati, Chiraag United Kingdom	

St. Michael's Hospital

Alrashedi, Khaled Egypt	Haley, Christopher United Kingdom	Kim, Saeyoung South Korea	Mir, Joseph Sweden
Bitcon, Charles..... Australia	Hanumanthaiah, Deepak India	Lee, Chuan-Whei New Zealand	Scott, William Scotland
Contreras, Maya..... Ireland	Jorgensen, Andrew..... Australia	Mathers, Jonathan United Kingdom	Soliman, Waleed..... Canada
George, Thomas..... South Africa	Kelly, Catriona..... Ireland	McAuliffe, Niamh Ireland	Taam, Lindsay Canada
Gomez Builes, Johana ... Columbia			

Sunnybrook Health Sciences Centre

Garg, Rahul..... Australia	Moreira, Thiago Brazil	Shapiro, Joel..... South Africa	Vanza, Neil Australia
Isaac, Raj United Kingdom	Nix, Catherine Ireland	Slabbert, Marietjie South Africa	
Kong, Grace Canada	Perlman, Ryan..... Canada	Tedder, Alison South Africa	
Koval, Joseph..... Canada	Ribeiro, Thiago Fernandes ... Brazil	Turbitt, Lloyd..... United Kingdom	

UHN – Toronto General Hospital

Alcaraz Garcia-Tejedor, Gabriela..... Spain	Chow, Lorraine Canada	McKenny, Michael Ireland	Rochet, Maria Jose Cordero Chile
Al-Salah, Fatimah Saudi Arabia	Cleland, Stuart ... United Kingdom	Mauron, Sylvain..... Switzerland	Silverton, Natalie..... Canada
Ansari, Bilal Ireland	Deacon, Andrew Australia	Moreno, Jacob..... Spain	Singh, Akhil Kant India
Arekapudi, Anil Kumar Canada	Dhlakama, Tawona..... Australia	Ng, William..... Australia	Sun, Louise..... Canada
Bartkowiak, Tomasz Poland	Hurlburt, Lindsay..... Canada	Orlov, David Canada	Telgarsky, Branislav..... United Kingdom
Cade, Jacqueline Australia	Glasgow, Denver . Northern Ireland	Parotto, Matteo..... Italy	Ye, Jia Jia Australia
Casas Lopez, Diana Catalina..... Switzerland	Hennessey, Mauve Canada	Puentes, Wilfredo Columbia	Youssef, Nager Canada
	Luzzi, Carla Andrea..... Brazil	Randall, Ian Miles Canada	
	Mashari, Azad Canada		

UHN – Toronto Western Hospital

Aggarwala, Neha..... Australia	Farag, Naguib..... Egypt	Mukhida, Karim Canada	Tiwari, Akhilesh India
Alakkad, Husni Canada	Flamer, David..... Canada	Nagappa, Mahesh..... India	Tunprasit, Choosak..... Thailand
Arekapudi, Anil India	Gosh, Shaganti Meela United Kingdom	Ooli, Alister Boon Tsin Australia	Unger, Zoe Canada
Baron Shahaf, Dana..... Israel	Kunder, Samuel..... India	Ramlogan, Reva Canada	
Bharadwaj, Suparna..... India	Lai, Hou Yee Malaysia	Sehmbi, Herman United Kingdom	
Bhayani, Sadiq... United Kingdom	Li, Lawrence United Kingdom	Shah, Ushma United Kingdom	
Chauhan, Gaurav India	Madjdpur, Caveh Switzerland	Singh, Mandeep India	
Deb, Chameli India	Moodley, Alastair South Africa	Subramani, Yamini India	

Continuing Education

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

“The Continuing Education Committee for the Department of Anesthesia is comprised of representatives from each of the teaching hospitals.”

The Continuing Education Committee for the Department of Anesthesia is comprised of representatives from each of the teaching hospitals as well as directors of CE courses and community hospital representatives. The committee meets four times per year to discuss, plan and organize a number of

continuing education initiatives. Among the primary goals of the committee is to ensure that most CE activities qualify for University of Toronto sponsorship and are accredited learning activities.



Course Development:

The committee supervises the Toronto Interactive Anesthesia Meeting under the direction of Dr. Adriaan Van Rensburg. This

two-day course provides a combination of lectures, workshops and problem-based

learning discussions for both fellowship anesthesiologists and GP anesthetists.

Course Sponsorship:

The CE Committee aids in the development and accreditation of ongoing CE courses produced by the U of T Department of Anesthesia Faculty.

Web-Based Learning:

1) CE Online Anesthesia Rounds

This program has been enlarged to 15 educational modules. This program has been developed by Sharon Davies (Mount Sinai Hospital). These modules have been accredited by the University of Toronto CEPD Department for Section 3 RCPSC credits. In 2014, 987 modules were completed by 451 participants. These modules can be currently accessed through an archived version of the University of Toronto Department of Anesthesia website at www.anesthesia.webservices.utoronto.ca/edu/cme/courses.htm.

2) Perioperative Interactive Education

The Toronto General Hospital Department of Anesthesia has developed an online medical education program with teaching modules that include: Patient Simulation, Cardiac Anesthesiology, CV Pharmacology, Malignant Hyperthermia, Obstetric Anesthesia, Point of Care Ultrasound, and Transesophageal Echocardiography. www.pie.med.utoronto.ca

3) 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: www.ThoracicAnesthesia.com.

Anesthesia CE courses and Directors for July 2014-June 2015

COURSE	DATES	ORGANIZER
RCPSC Simulation Summit	Sept. 11-13	Dr. Jordan Tarshis
Obstetric Anesthesia	Sept. 26-27	Dr. Jose Carvalho
Regional Anesthesia Mini Workshops	Oct. 4-6, Nov. 1-2, Nov. 29-30	Dr. Vincent Chan
Continuous Peripheral Nerve Blocks for Major Orthopedic Surgery, Preceptorship Course	Oct. 17	Dr. Martin Van der Vyver
Continuous Peripheral Nerve Blocks for Major Orthopedic Surgery	Oct. 18	Dr. Martin Van der Vyver
Critical Care Canada Forum	Oct. 29- Nov.1	Dr. Brian Kavanagh
Perioperative Trans-esophageal Echocardiography Symposium	Nov. 1-2	Dr. Massimiliano Meineri
Anesthesia Faculty Development Day	Nov. 11	Dr. Martin Van der Vyver
Mendelsohn Lecture, Mount Sinai Hospital	Nov. 28	Dr. Adriaan Van Rensburg
Toronto Interactive Anesthesia	Nov. 30-Dec. 1	Dr. Adriaan Van Rensburg
Focused Cardiac Ultrasound	Jan. 24, Mar. 7, June 6	Dr. Massimiliano Meineri
Regional Ultrasound Workshop	Jan.30-Feb.1	Dr. Vincent Chan
Advanced Ultrasound for Pain Medicine	Feb. 22-23	Philip Peng
St. Michaels Hospital Echocardiography Preceptorship	Mar. 17-21	Dr. Han Kim
Toronto Anesthesia Symposium	Apr. 5-6	Dr. David Wong
Ultrasound for Pain Medicine Workshop	April 17 & 18	Dr. Philip Peng
Annual Shields Research Day	May 8	Dr. Zeev Friedman
Regional Anesthesia and Pain Medicine	June 4-7	Dr. Vincent Chan

Future Anesthesia CE courses (2015-2016)

COURSE	DATES	CONTACT
Ultrasound Workshop for Perioperative Applications	Sept. 4-5	christine.drane@uhn.ca
Obstetric Anesthesia, Mount Sinai Hospital	Sept. 18-19	obanesthesia@mtsinai.on.ca
Malpractice in Pain Medicine, Chestnut Conference Centre	Sept. 19	christine.drane@uhn.ca
8th Annual NANM IONM Symposium, Montreal	Sept. 25	lashmi.venkatraghavan@uhn.ca
Focused Cardiac Ultrasound	Oct. 10	jo.carroll@uhn.on.ca
Continuous Peripheral Nerve Blocks for Major Orthopedic Surgery	Oct. 23	shelly.au@sunnybrook.ca
Critical Care Canada Forum	Oct. 25-28	brian.kavanagh@utoronto.ca
Perioperative Trans-esophageal Echocardiography Symposium	Nov. 6-8	jo.carroll@uhn.ca
Anesthesia Faculty Development Day	Nov. 11	anesthesia@utoronto.ca
Pediatric Anesthesia	Nov. 13-15	pediatric.anesthesia@sickkids.ca
Mendelson Lecture	Nov. 20	allison.ho@nygh.on.ca
Toronto Interactive Anesthesia	Nov. 21-22	allison.ho@nygh.on.ca
Advanced Ultrasound for Pain Medicine Workshop, Toronto Western Hospital	April	christine.drane@uhn.on.ca
Toronto Anesthesia Symposium, Chestnut Residence	April	david.wong@uhn.on.ca
Annual Shields Reserach Day	May 13	zeev.friedman@uhn.on.ca
Regional Anesthesia and Pain Medicine	June	christine.drane@uhn.on.ca
Controversies in Perioperative Medicine	May, 2017	mark.friedlander@rogers.com

Faculty Development

Report from Dr. Martin van der Vyver, Director, Faculty Development Programs

“Our aim is to plan and implement various program-related initiatives to facilitate the development of our faculty.”

Our aim is to plan and implement various program-related initiatives to facilitate the development of our faculty as clinical teachers and educators. We also aim to offer support to fulfill multiple roles and responsibilities expected of physicians in academic medicine including – but not limited to – teaching, career planning, leadership and academic promotion.

The annual Faculty Development Day was held on 11th November 2014 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.

Dr. Charlotte Ringsted, Director of the Wilson Centre for Research in Medical Education, gave the keynote presentation titled: “Competence and Assessment in Anesthesia.” Dr. Ringsted shared her experiences with competency based education in her native Denmark reflecting upon the lessons learned, challenges in

assessment and gave a balanced overview of this new development in medical education.

This was followed by small group sessions on the following topics (workshop facilitators in brackets):

- WebCV for Creative Professional activities – getting the most out of it (Mark Bold and Martin van der Vyver)
- Slowing Down to Step Up – The Healthy Anesthesiologist (Christopher Hurst)
- Conversations That Matter: Copyright and Fair Use for Medical Educators – The Canadian Perspective (Fahad Alam)
- Habits of Successful Medical Education Scholars: What every medical educator should know (Jeff Wasserman)
- Designing a Workplace-based Assessment Program in Anesthesia (Charlotte Ringsted)
- Time Management in the Connected Era (Guy Petroz)

The same workshop was repeated after a refreshment break which also provided an opportunity for attendees to view poster presentations.

The following oral presentations followed lunch:

- Anesthesiologists’ learning curves for ultrasound-assisted identification of the cricothyroid membrane, [DR. KATIA FERREIRA DE OLIVEIRA](#), Fellow, Mount Sinai Hospital
- Telesimulation: An Effective and Feasible Method to Teach Ultrasound-Guided Regional Anesthesia Remotely, [DR. AHTSHAM NIAZI](#), Faculty, Toronto Western Hospital



- Upping the ante: Introduction of innovative educational tools to undergraduate medical students 2nd simulation session, [DR. THIAGO MOREIRA](#), [AGNES RYZYNSKI](#), and [DR. ANITA SARMAH](#), Sunnybrook Hospital
- Special Presentation: Longitudinal Integrated Curriculum in Clerkship (LInC), [DR. CAROL LOFFELMANN](#) and [DR. ISABELLA DEVITO](#)

The final session of this event (attended by 110 faculty and fellows) was the announcement of the teaching awards.



The Departments of
Anesthesia and Surgery present

FACULTY DEVELOPMENT DAY 2015

For further details:
www.anesthesia.utoronto.ca/events/FDD2015.htm
anesthesia@utoronto.ca
416-978-6362

September 11th, 2015
9:00 AM - 3:30 PM

89 Chestnut Residence and
Conference Centre, University of Toronto

Keynote Speaker
Dr. Brian Hodges, MD, PhD

"Transformation: Learners, teachers & 21st century health
professional curricula"

Abstract submission deadline: September 28th at 5:00PM
Registration deadline: Monday, October 19th

Register and submit abstracts online at
www.anesthesia.utoronto.ca/events/FDD2015.htm



Anesthesia
UNIVERSITY OF TORONTO

Surgery
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Research Programs

Report from Dr. David Mazer

“One of the great strengths of the research in our department is its breadth and depth.”

As we approach our 65th year as a formally designated department at the University of Toronto, we are proud to celebrate the accomplishments of our department in research. We have continued our ranking as a global leader in Anesthesia research, second only to Harvard in terms of number of publications and citations in our specialty. The tables and charts below provide more detail about our research productivity compared to other Departments of Anesthesia in North America and internationally.

One of the great strengths of the research in our department is its breadth and depth. Spanning the entire spectrum of scientific inquiry from the discovery of basic mechanisms to large scale global clinical trials, our investigators have published numerous peer-reviewed manuscripts in the highest impact journals in and outside our specialty. Many members of our department are recognized international

experts with numerous invited lectures and visiting professorships around the world. In addition, the type and amount of peer-review funding received by our faculty and students reflects the truly outstanding research endeavors undertaken by our department.

Several important programs and initiatives are important to ensure our ongoing research successes. The Merit Award Program competitively allocates precious University funding to anesthesia faculty to support academic time, and our active Clinician Investigator Program provides dedicated residency slots for specific training to become a clinician scientist. Our annual Shields Research Day is a highlight of the year since it provides a forum for presentation of the flourishing trainee research which is facilitated by our Resident Research and Fellowship Co-ordinators. Finally, the university and several hospital departments are working together to create even more endowed chairs which will be key for the growth and long term sustainability of our research.

As we reflect back on our department's long history we are reminded that we



have successfully overcome changes to research funding models in the past to be the top ranked department in Canada and of all Association of Universities public institutions. We are enormously grateful and proud of the many departmental faculty, students and staff for their enormous contributions to the academic mission of the department and we look forward to even greater successes in the future.

Institution	2014 Rank	2013 Rank	2012 Rank	Web of Science Publications	Times Cited	% Documents in Institution	% Documents in Subject Area	Cites per Document (Impact)	% Documents Cited
Harvard Univ	1	1	1	193	138	0.92	4.81	0.72	32.6
Univ Toronto	2	2	2	117	118	1.04	2.92	1.01	44.4
Univ Penn	3	4	5	64	47	0.81	1.59	0.73	46.9
Univ Washington	4	3	3	61	42	0.75	1.52	0.69	41.0
Johns Hopkins Univ	5	6	4	56	53	0.62	1.40	0.95	39.3
Duke Univ	6	9	8	48	49	0.78	1.20	1.02	43.8
Stanford Univ	7	13	9	46	36	0.57	1.15	0.78	32.6
Univ Pittsburgh	8	10	16	45	27	0.77	1.12	0.60	42.2
McGill Univ	9	7	7	43	19	0.75	1.07	0.44	39.5
Columbia Univ	10	11	11	40	36	0.55	1.00	0.90	35.0
Northwestern Univ	11	12	10	40	19	0.78	1.00	0.48	30.0
Vanderbilt Univ	12	14	14	36	32	0.86	0.90	0.89	55.6
Univ Florida	13	18	17	33	17	0.61	0.82	0.52	27.3
Univ Montreal	14	21	20	33	26	0.78	0.82	0.79	45.5
Univ Calif San Francisco	15	8	6	29	35	0.51	0.72	0.34	31.0
Univ British Columbia	16	15	12	29	10	0.45	0.72	0.72	24.1
Univ Michigan	17	5	15	29	21	0.32	0.72	0.85	31.0
Dalhousie Univ	18	27	32	26	22	1.39	0.65	1.56	50.0
Washington Univ	19	19	31	25	39	0.60	0.62	1.78	48.0
McMaster Univ	20	20	37	23	41	0.70	0.57	0.65	52.2
Yale Univ	21	17	13	23	15	0.37	0.57	1.18	43.5
Ohio State Univ	22	31	36	22	26	0.35	0.55	0.82	27.3
Univ Iowa	23	16	18	22	18	0.70	0.55	2.24	50.0
Univ Alberta	24	28	34	21	47	0.43	0.52	1.57	61.9
Univ N Carolina Chapel Hill	25	30	29	21	33	0.38	0.52	2.24	52.4
Western Univ (Univ Western Ontario)	26	23	30	21	47	0.72	0.52	2.00	61.9
Cornell Univ	27	33	22	20	40	0.33	0.50	1.05	50.0
Univ Calif San Diego	28	25	21	19	20	0.30	0.47	0.53	42.1
Univ Chicago	29	35	23	19	10	0.33	0.47	0.47	31.6
Univ Virginia	30	36	28	19	9	0.63	0.47	1.39	26.3
Queens Univ	31	24	33	18	25	1.05	0.45	1.33	38.9
Univ Calif Los Angeles	32	29	24	18	24	0.23	0.45	0.17	44.4
Univ Ottawa	33	22	27	18	3	0.56	0.45	1.00	11.1
Univ Rochester	34	26	35	17	17	0.71	0.42	2.13	52.9
Univ Mantioba	35	41	45	16	34	0.79	0.40	0.71	50.0
Univ Calgary	36	47	39	14	10	0.42	0.35	0.42	35.7

36th Annual Shields Research Day

Report from Dr. Zeev Friedman, Chair, Annual Shields Research Day

“Shields Research Day provides a forum to share recent advances and updates in the field.”

Once again, the Department of Anesthesia’s Annual Shields Research Day was a tremendous success. Out of 70 outstanding abstract submissions, 18 were selected by an abstract committee for oral presentations and 30 were selected for poster presentations. Poster sessions were held throughout the day, allowing presenters to discuss their projects with colleagues and fellow presenters. By bringing clinical faculty, fellows, residents and anesthesia assistants together for this event, Shields Research Day provides a forum to share recent advances and updates in the field and also serves to stimulate further research.

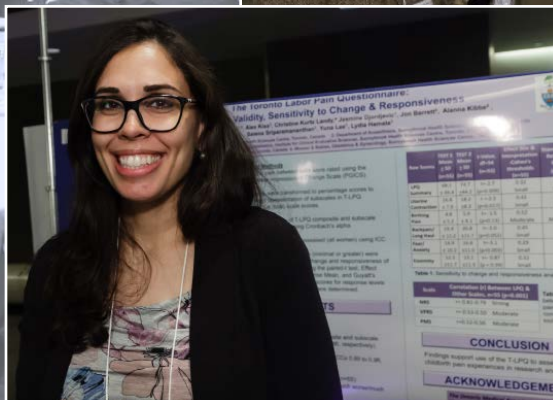
One of the highlights of the day is the Annual Shields Lecture, given in 2015 by Dr. Emery Brown from Harvard Medical School. Dr. Brown’s lecture, “Unlocking the Mysteries of the Brain Under General

Anesthesia,” touched on the mechanisms of anesthetic action. In his talk, he described how anesthetics affect brain activity, the communication between brain regions and how the depth of anesthetics can be gauged. He highlighted how these responses differ with development stage, affecting the practical implementation of intraoperative EEG. Dr. Brown’s presentation was preceded by the Vice Chair of Research Selection session, featuring just some of the prominent research underway in the Department of Anesthesia. In 2015 the lecture was presented by Dr. John Laffey with his update on the current state of and future therapies for acute respiratory distress syndrome (ARDS).

As in previous years, the event concluded with the Shields Day Awards Presentation. There were 19 recipients in nine separate categories recognizing excellence in clinical teaching and research in addition to travel awards for trainees and exemplary presentations.



Many thanks go out to all of those in the Department of Anesthesia who work so hard to make the day a success each year. We look forward to more high-quality presentations and research at the 37th Annual Shields Research Day in 2016.



The Toronto Labor Pain Questionnaire
Validity, Sensitivity to Change & Responsiveness
 Dr. Ken Fong, Christine Kwan, Leahy, Jennifer Spindler, Jim Bennett, Alison Keller,
 Loretta Engemann, Tasha Lee, Lynda Hendrick

Item	ICC	ICC	ICC	ICC	ICC
Overall	0.82	0.81	0.80	0.79	0.78
Subscales					
- Pain	0.81	0.80	0.79	0.78	0.77
- Function	0.80	0.79	0.78	0.77	0.76
- Quality of Life	0.79	0.78	0.77	0.76	0.75
- Satisfaction	0.78	0.77	0.76	0.75	0.74
- Self-Efficacy	0.77	0.76	0.75	0.74	0.73
- Coping	0.76	0.75	0.74	0.73	0.72
- Knowledge	0.75	0.74	0.73	0.72	0.71
- Attitudes	0.74	0.73	0.72	0.71	0.70
- Expectations	0.73	0.72	0.71	0.70	0.69
- Beliefs	0.72	0.71	0.70	0.69	0.68
- Support	0.71	0.70	0.69	0.68	0.67
- Resources	0.70	0.69	0.68	0.67	0.66
- Information	0.69	0.68	0.67	0.66	0.65
- Education	0.68	0.67	0.66	0.65	0.64
- Skills	0.67	0.66	0.65	0.64	0.63
- Attitudes	0.66	0.65	0.64	0.63	0.62
- Expectations	0.65	0.64	0.63	0.62	0.61
- Beliefs	0.64	0.63	0.62	0.61	0.60
- Support	0.63	0.62	0.61	0.60	0.59
- Resources	0.62	0.61	0.60	0.59	0.58
- Information	0.61	0.60	0.59	0.58	0.57
- Education	0.60	0.59	0.58	0.57	0.56
- Skills	0.59	0.58	0.57	0.56	0.55
- Attitudes	0.58	0.57	0.56	0.55	0.54
- Expectations	0.57	0.56	0.55	0.54	0.53
- Beliefs	0.56	0.55	0.54	0.53	0.52
- Support	0.55	0.54	0.53	0.52	0.51
- Resources	0.54	0.53	0.52	0.51	0.50
- Information	0.53	0.52	0.51	0.50	0.49
- Education	0.52	0.51	0.50	0.49	0.48
- Skills	0.51	0.50	0.49	0.48	0.47
- Attitudes	0.50	0.49	0.48	0.47	0.46
- Expectations	0.49	0.48	0.47	0.46	0.45
- Beliefs	0.48	0.47	0.46	0.45	0.44
- Support	0.47	0.46	0.45	0.44	0.43
- Resources	0.46	0.45	0.44	0.43	0.42
- Information	0.45	0.44	0.43	0.42	0.41
- Education	0.44	0.43	0.42	0.41	0.40
- Skills	0.43	0.42	0.41	0.40	0.39
- Attitudes	0.42	0.41	0.40	0.39	0.38
- Expectations	0.41	0.40	0.39	0.38	0.37
- Beliefs	0.40	0.39	0.38	0.37	0.36
- Support	0.39	0.38	0.37	0.36	0.35
- Resources	0.38	0.37	0.36	0.35	0.34
- Information	0.37	0.36	0.35	0.34	0.33
- Education	0.36	0.35	0.34	0.33	0.32
- Skills	0.35	0.34	0.33	0.32	0.31
- Attitudes	0.34	0.33	0.32	0.31	0.30
- Expectations	0.33	0.32	0.31	0.30	0.29
- Beliefs	0.32	0.31	0.30	0.29	0.28
- Support	0.31	0.30	0.29	0.28	0.27
- Resources	0.30	0.29	0.28	0.27	0.26
- Information	0.29	0.28	0.27	0.26	0.25
- Education	0.28	0.27	0.26	0.25	0.24
- Skills	0.27	0.26	0.25	0.24	0.23
- Attitudes	0.26	0.25	0.24	0.23	0.22
- Expectations	0.25	0.24	0.23	0.22	0.21
- Beliefs	0.24	0.23	0.22	0.21	0.20
- Support	0.23	0.22	0.21	0.20	0.19
- Resources	0.22	0.21	0.20	0.19	0.18
- Information	0.21	0.20	0.19	0.18	0.17
- Education	0.20	0.19	0.18	0.17	0.16
- Skills	0.19	0.18	0.17	0.16	0.15
- Attitudes	0.18	0.17	0.16	0.15	0.14
- Expectations	0.17	0.16	0.15	0.14	0.13
- Beliefs	0.16	0.15	0.14	0.13	0.12
- Support	0.15	0.14	0.13	0.12	0.11
- Resources	0.14	0.13	0.12	0.11	0.10
- Information	0.13	0.12	0.11	0.10	0.09
- Education	0.12	0.11	0.10	0.09	0.08
- Skills	0.11	0.10	0.09	0.08	0.07
- Attitudes	0.10	0.09	0.08	0.07	0.06
- Expectations	0.09	0.08	0.07	0.06	0.05
- Beliefs	0.08	0.07	0.06	0.05	0.04
- Support	0.07	0.06	0.05	0.04	0.03
- Resources	0.06	0.05	0.04	0.03	0.02
- Information	0.05	0.04	0.03	0.02	0.01
- Education	0.04	0.03	0.02	0.01	0.00
- Skills	0.03	0.02	0.01	0.00	0.00
- Attitudes	0.02	0.01	0.00	0.00	0.00
- Expectations	0.01	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	0.00
- Attitudes	0.00	0.00	0.00	0.00	0.00
- Expectations	0.00	0.00	0.00	0.00	0.00
- Beliefs	0.00	0.00	0.00	0.00	0.00
- Support	0.00	0.00	0.00	0.00	0.00
- Resources	0.00	0.00	0.00	0.00	0.00
- Information	0.00	0.00	0.00	0.00	0.00
- Education	0.00	0.00	0.00	0.00	0.00
- Skills	0.00	0.00	0.00	0.00	

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- ABDALLAH FW, CHAN VW. Practical applicability of the epidural electrical stimulation test. *Can J Anaesth* 61:881-5, 2014
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- BEATTIE WS, WIJEYSUNDE-RA DN.** The growing burden of perioperative heart failure. *Anesth Analg* 119:506-8, 2014
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intracranial and spinal tumours: an overview. *Journal of Neuroanaesthesiology and Critical Care* 2:104-109, 2015

ELLARD L, WONG, DT. Should we induce general anesthesia in the prone position? *Curr Opin Anaesthesiol* 27:635-42, 2014

ENG HC, GHOSH SM, CHIN KJ. Practical use of local anesthetics in regional anesthesia. *Curr Opin Anaesthesiol* 27:382-387, 2014

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- Cardiac Care, Vol 2, Barach PR, Jacobs JP, Laussen PC, Lipshultz SE (eds.), Springer-Verlag, London, UK, 2015
- HASSETT P, LAFFEY JG, KAVANAGH BP.** Permissive hypercapnia. In: Pediatric Critical Care, Rimensberger P (eds.), Springer-Verlag, London, UK, 2014
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- HICKEY EJ, VAN ARSDELL GS, LAUSSEN PC.** Failure to rescue and failure to perceive in pediatric cardiac surgery: lessons learned from aviation. In: Pediatric and Congenital Cardiac Care, Vol 2, Barach PR, Jacobs JP, Laussen PC, Lipshultz SE (eds.), Springer-Verlag, London, UK, 2015
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- KAVANAGH BP, HEDEN-STIERNA G.** Respiratory physiology and pathophysiology. In: Miller's Anesthesia (8th Edition), Miller RD, Cohen NH, Eriksson LI, Fleisher LA, Weiner-Kronish JP, Young WL (eds.), Saunders-Elsevier, Philadelphia, 2015
- KRUISSELBRINK RB, CHIN KJ.** Anesthesia of the peripheral nerves. In: Nerves and Nerve Injuries, Tubbs RS, Rizk E, Shoja MM, Loukas M, Barbaro N, Spinner RJ (eds.), Elsevier, Philadelphia, 2015
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- LO N.** Amputation: acute and chronic pain considerations. In: Decision Making in Orthopedic and Regional Anesthesiology, Anderson M, Wilson S, Rosenblatt M (eds.), Cambridge University Press, New York, 2015
- MARSEU K, SLINGER P.** Chapter 34: Thoracic anesthesia. In: Foundations of Clinical Anesthesia, Barash P, Cullen B, Cahalan M, Ortega R, Sharar S, Stock M (eds.), Wolters Kluwer, Philadelphia, 2015
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- MCVICAR J, CHAN V, PERLAS A.** Basics of ultrasound imaging. In: Ultrasound for Pain Medicine (2nd Edition), Narouze S (ed.), Springer, New York, 2015
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- NELIGAN P, LAFFEY JG.** Obstetric physiology and special considerations in ICU. In: Oxford Textbook of Critical Care, Webb A, Angus D, Finfer S, Gattinoni L, Singer M (eds.), Oxford University Press, New York, 2015
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- SAINSBURY JE, COOPER, RM.** Unexpected failed direct laryngoscopy. In: Master Techniques in Upper and Lower Airway Management, Rosenblatt, WH, Popescu WM (eds.), Lippincott Williams & Wilkins/Wolters Kluwer Health, Philadelphia, 2015
- SCHURRE A, LAUSSEN PC, ODEGARD KC.** Approach to the fetus, premature and full term infant. In: Anesthesia for Congenital Heart Disease (3rd

Edition), Andropolous DB, Slayer SA, Russell IA, (eds.), Wiley-Blackwell, Hoboken, 2015

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SINGH M, AWAD IT, MCCARTNEY C. Ultrasound guided lower limb blocks. In: Atlas of Ultrasound guided procedures in interventional Pain Management (2nd Edition), Narouze SN (ed.), Springer, New York, 2014

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SUNDARARAJAN R, PENG PWH. Tai Chi and chronic pain. In: Acupuncture in Pain Management, Nova Science Publishers, New York, 2015

TALATI C, BALKI M. Uterotonic use. In: Obstetric Anesthesiology: An Illustrated Case-Based Approach, Fernando R, Hussain T, Segal S (eds.), Cambridge University Press, New York, 2015

THIAGARAJAN RR, LAUSSEN PC. Risk adjustment for congenital heart surgery -1 (RACHS-1) for evaluation of mortality in children undergoing cardiac surgery. In: Pediatric and Congenital

Cardiac Care ,Vol 1, Barach PR, Jacobs JP, Laussen PC, Lipshultz SE (eds.), Springer-Verlag, London, UK, 2015

WASOWICZ M. Anaesthesia for heart-lung transplantation. In: Oxford Textbook of Transplant Anaesthesia, Slinger P (ed.), Oxford University Press, New York, 2015

WONG D, JAGANNATHAN N. SGA to tracheal tube exchange. In: Master Techniques in Upper and Lower Airway Management. Rosenblatt WH, Popescu WM (eds.), Wolters Kluwer Health, Philadelphia, 2015

WONG DT, ROTENBERG BW. Obstructive sleep apnea surgery. In: Master Techniques in Upper and Lower Airway Management. Rosenblatt WH, Popescu WM (eds.), Wolters Kluwer Health, Philadelphia, 2015

Books

BARACH PR, JACOBS JP, LAUSSEN PC, LIPSHULTZ SE (eds.). Pediatric and Congenital Cardiac Care, Volume 2, Springer Verlag, London, UK, 2015

BIGELEISEN P, GOFELD M, OREBAUGH SL (eds.). Ultrasound-Guided Regional Anesthesia and Pain Medicine (2nd Edition), Lippincott Williams & Wilkins, 2014

Invited Lectures

A

ABDALLAH, F

- Women's College Hospital Alternative Funding Plan Innovation Grant, Toronto, Ontario, May 2015
"The effect of paravertebral blocks on quality of recovery and postoperative analgesia following breast tumor resection Invited to present the final results of the paravertebral block study"
- University of Ottawa, Department of Anesthesia, Ottawa, Ontario, June 2015
"Regional anesthesia to optimize acute post-surgical pain and related outcomes - can we do better?"
- 19th Annual Regional Anesthesia and Pain Medicine Meeting, Departments of Anesthesia at the Universities of Toronto and McMaster, Toronto, Ontario, June 2015
"Regional anesthesia to reduce cancer recurrence in breast surgery"
"Blocks of the abdominal wall"

ALAM, A

- St. Michael's Patient Blood Symposium, Toronto, Ontario, November 2014
"The use of tranexamic acid in postpartum hemorrhage: an overview of the evidence behind how tranexamic acid can be used to treat and prevent postpartum hemorrhage"
- University of Toronto Anesthesia Faculty Development Day, Toronto, Ontario, November 2014
"Conversations that matter: copyright and fair use for medical educators"
- Trauma Association of Canada, Calgary, Alberta, April 2015
"Early goal-directed therapy for prevention of hypothermia

related transfusion, morbidity and mortality in severely injured trauma patients"

- Canadian Conference in Medical Education (CCME), Vancouver, British Columbia, April 2015
"Gamification - fad or future in medical education"
"Gamification in medical education: a systematic review"
- Sunnybrook Health Sciences Medical Education Research Grand Rounds, Toronto, Ontario, May 2015
"Technology enhanced learning in medical education: an overview of supplementing curriculum in the digital era"
- The Society for Academic Continuing Medical Education (SACME), Tampa, Florida, May 2015
"Impact of acute care physician's age on crisis management performance and learning after simulation-based education"
- Hematology Grand Rounds, Sunnybrook Health Sciences Centre, Toronto, Ontario, June 2015
"The prevention of hypothermia-related transfusion, morbidity, and mortality in trauma patients"

ANGLE, PJ

- Society for Obstetric Anesthesia and Perinatology (SOAP), Colorado Springs, Colorado, May 2015
"New labor pain questionnaire: high test-retest reliability"
"The labor pain questionnaire: reliability, validity and responsiveness in women during early labor without pain relief"
"The labor pain questionnaire: high sensitivity to change in women receiving labor epidural analgesia"

- 36th Annual Shields Anesthesia Research Day, Toronto, Ontario, May 2015
"The labor pain questionnaire: reliability, validity, sensitivity to change and responsiveness"
- Canadian Anesthesiologists' Society Annual Meeting, Ottawa, Ontario, June 2015
"New labor pain questionnaire: high test-retest reliability"

ARMSTRONG K

- American Society of Plastic Surgeons Annual Meeting, Chicago, Illinois, October 2014
"Quality of recovery in women undergoing autogenous breast reconstruction in an ambulatory setting"
- World Congress of Enhanced Recovery after Surgery and Perioperative Medicine, Washington, District of Columbia, May 2015
"Factors influencing postoperative pain in patients undergoing autologous breast reconstruction in an ambulatory setting"
- Canadian Society of Plastic Surgeons Annual Meeting, Victoria, British Columbia, June 2015
"Factors influencing postoperative pain in patients undergoing autologous breast reconstruction in an ambulatory setting"
- 68th Annual Postgraduate Assembly in Anesthesiology, New York State Society of Anesthesiologists, New York, New York, December 2014
"Ultrasound guided epidural and spinal blocks"
- 6th Annual Comprehensive Regional Anesthesia Workshop, State University of New York, Buffalo (SUNY), Buffalo, New York, March 2015
"Spinal ultrasound for neuraxial blocks"
- 2nd NYSORA (New York School of Regional Anesthesia) - Latin American Symposium on Regional Anesthesia and Perioperative Medicine, Cartagena, Bolivar, Colombia, April 2015
"How do we make ultrasound applications a fair game to the rest of the world?"
"Role of ultrasound in the difficult neuraxial anesthesia situations (spine deformity, scoliosis, ankylosing spondylitis, previous back surgery)"
"Qualitative ultrasound evaluation of gastric content"
- Society of Obstetric Anesthesia and Perinatology (SOAP) 47th Annual Meeting, Colorado Springs, Colorado, May 2015
"Ultrasound workshop for obstetric anesthesia: gastric ultrasound station"
- Society of Obstetric Anesthesia and Perinatology (SOAP) Latin American Symposium at XXXI Colombian Congress of Anesthesiology, Cali, Valle del Cauca, Colombia, June 2015
"Ultrasound workshop for obstetric anesthesia: gastric ultrasound station"
- Canadian Anesthesiologist's Society Annual Meeting, Ottawa, Ontario, June 2015
"Ultrasound workshop: epidural blocks"

ARZOLA, C

- Obstetric Anesthesia Conference, Mount Sinai Hospital and University of Toronto, Toronto, Ontario, September 2014
"Regional anesthesia for urgent cesarean delivery"
- Toronto Interactive Anesthesia, University of Toronto, Department of Anesthesia, Toronto, Ontario, November 2014
"Ultrasound for neuraxial blocks"

ultrasound
"Introduction to gastric ultrasound"

- AWAD, I
- University of Toronto seminar for PGY2, Sunnybrook Hospital, Toronto, Ontario, November 2014
"Ultrasound guided sciatic and ankle block"
- Regional Anesthesia & Pain Medicine 2015 Meeting, Toronto, Ontario, June 2015
"Femoral nerve/fascia iliac/saphenous blocks"

AVILA, A

- Geriatric Medicine, Mount Sinai-UHN, Toronto, Ontario, October 2014
"Managing complex pain in your older patients"

B

BAHREY, L

- The 59th Ontario Anesthesia Meeting, Toronto, Ontario, September 2014
"The Royal College Exam process"

BAKER, A

- Canada Critical Care Forum, Toronto, Ontario, October 2014
"Subarachnoid hemorrhage – ripe for clinical pathways?"
"Donation after circulatory death: A Canadian update"
"Residents day critical care and the coming plague"
- Ontario Hospital Association, Toronto, Ontario, June 2015
"Media coverage on end of life"

BALKI, M

- University of Toronto Obstetric Anesthesia Conference and Workshops, Mount Sinai Hospital, Toronto, Ontario, September 2014
"The tired uterus: when two uterotonics are better than one"
"Maternal cardiac arrest: hands-on with the simulator"

- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
"Regional ultrasound workshop"
- Southlake Regional Health Centre, Newmarket, Ontario, February 2015
"Obstetric airway"
- Mount Sinai Hospital, University of Toronto, Toronto, Ontario, February 2015
"Meet your anesthesiologist"
- The Toronto Anesthesia Symposium, Toronto, Ontario, April 2015
"Simulation in obstetric airway and hemodynamic crisis management"
"Airway disasters in obstetrics"
- 47th Annual Society for Obstetric Anesthesia and Perinatology Meeting, Colorado Springs, Colorado, May 2015
"The use of ultrasound for obstetric anesthesia - vascular access, neuraxial anesthesia, TAP block and gastric assessment workshop"
- 36th Annual Shields Research Day, University of Toronto, Toronto, Ontario, May 2015
"Effects of extracellular calcium on oxytocin induced contractility in desensitized and no-desensitized human myometrium in vitro"
"Response patterns to electric stimulation of epidural catheters in pregnant women: a randomized control trial of uniport versus multiport catheters"
- Canadian Anesthesiologists' Society Annual Meeting, Ottawa, Ontario, June 2015
"Ultrasound for neuraxial anesthesia and analgesia"

BHATIA, A

- American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
"Ultrasound-guided medial branch blocks for lumbar facet pain"

- World Association for Pain Management in Ultrasound, Chicago, Illinois, May 2015
"Ultrasound-guided procedures for lumbosacral pain"
- American Association of Pain Medicine in Ultrasound, Miami, Florida, January 2015
"Ultrasound guided interventions in lumbosacral spine"
- American Society of Regional Anesthesia and Pain Medicine, San Francisco, California, November 2014
"Ultrasound guided interventions in pain management"
- Neuropathic Pain Special Interest Group of the International Association for the Study of Pain, Nice, Alpes-Maritimes, France, May 2015
"A retrospective sequential cohort study of efficacy of perineurial steroids for chronic, post-traumatic neuropathic pain"
- The Canadian Pain Society, Charlottetown, Prince Edward Island, May 2015
"Role of interventional procedures in management of chronic neuropathic pain"
- Special Interest Group of Canadian Pain Society, Vancouver, British Columbia, March 2015
"Ultrasound-guided procedures for lumbosacral pain"
- Women's College Hospital, Toronto, Ontario, May 2015
"Management of acute pain episodes in patients with chronic pain"
- Medical Staff Association of Women's College Hospital, Toronto, Ontario, November 2014
"Chronic Pain Program at Women's College Hospital"
- PGY2 Lecture, Department of Anesthesia, University of Toronto, Toronto, Ontario, October 2014
"Pharmacology of local anesthetics"

- Lecture for fellows, Department of Anesthesia, University of Toronto, Toronto, Ontario 2014
"Statistics for research"

BEATTIE, WS

- Global Conference: Defining Clinical Outcomes, Monash University, Prato, Italy, June 2015
"Postoperative myocardial injury"
"Defining postoperative cardiovascular events"
- Neufeld Department of Anaesthetics, Oxford University, Oxfordshire, United Kingdom, April 2015
"Design and implementation of a preoperative consultation clinic"
"Treatment of patients with prior percutaneous intracoronary interventions"
- Royal College of Anesthetists (Great Britain and Ireland), London, United Kingdom, April 2015
"Perioperative medicine"
- International Anesthesia Research Society Annual Meeting, Honolulu, Hawaii, United States, March 2015
"Clinical significance of postoperative troponin elevations"
- Acute Dialysis Quality Network, International Consensus Conference on Perioperative Fluid Therapy, London, United Kingdom, September 2014
"Network metanalysis on fluid therapy"

BROWN, SC

- SickKids Pediatric Update Conference, Toronto, Ontario, April 2015
"Medical marijuana for pediatric pain"

BYRICK, R

- Ontario Medical Association, Anesthesia Section, Toronto, Ontario, September 2014
"What's new from the CPSO"

- HPME, University of Toronto, Toronto, Ontario, April 2015
“Aspects of physician self-regulation”

C

CAMPBELL, F

- University of Toronto Centre for the Study of Pain-Intrafaculty Pain Curriculum, Toronto, Ontario, March 2015
“Pain: mechanisms and manifestations”
- Plastic and Reconstructive Surgery Rounds, The Hospital for Sick Children, Toronto, Ontario, February 2015
“Pain matters after plastic surgery”
- Pediatric Resident Lecture Series (PERLS), The Hospital for Sick Children, Toronto, Ontario, January 2015
“Pain matters in sickle cell disease”
- SickKids Advanced Paediatric Cardiology Program, Labatt Family Heart Centre, The Hospital for Sick Children, Toronto, Ontario, October 2014
“Pain matters after cardiac surgery”
- 8th Annual Pediatric Pain Master Class, Children’s Hospital, Minneapolis, Minnesota, June 2015
“Quality improvement in pediatric pain management”
“Risk factors for transition from acute to chronic pain”
- International Symposium on Pediatric Pain, Seattle, Washington, June 2015
“Canada pain registries: developing pediatric chronic pain clinical research infrastructure”
- Qatar International Pain Conference, Doha, Qatar, January 2015
“Opioids in chronic pain; a thing of the past?”
“Transition from acute to chronic pain (after surgery); risk factors and prevention”

CARVALHO, JCA

- 12th Annual Obstetric Anesthesia Conference and Workshop at Mount Sinai Hospital, Toronto, Ontario, Canada, September 2014
“Obstetric anesthesia journal club”
“Ultrasound facilitated spinals and epidurals in obstetrics workshop”
“Ultrasound assisted spinals and epidurals in obstetrics”
- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“Ask the experts – obstetric anesthesia”
- Annual Meeting of the Canadian Anesthesiologists’ Society, Ottawa, Ontario, June 2015
“Ultrasound assisted spinals and epidurals in obstetrics”
“Ultrasound assessment of the gastric content”
- 2nd Latin American Symposium on Obstetric Anesthesia, Cali, Colombia, June 2015
“Pro-con debate: phenylephrine use during Cesarean delivery under spinal anesthesia”
“Use of ultrasound in obstetric anesthesia: vascular access, neuraxial, TAP block and gastric workshop”
- 47th Annual Meeting of the Society for Obstetric Anesthesia and Perinatology, Colorado Springs, Colorado, May 2015
“Use of ultrasound in obstetric anesthesia: vascular access, neuraxial, TAP block and gastric workshop”
- Hadassa Ein Karem, Jerusalem, Israel, January 2015
“Ultrasound-facilitated neuraxial anesthesia lecture”
“Ultrasound-facilitated neuraxial anesthesia workshop”
- The Israel Society of Anesthesiologists, Tel Aviv, Israel, January 2015
“Ultrasound-facilitated neuraxial anesthesia lecture”

“Ultrasound-facilitated neuraxial anesthesia workshop”

- 68th Annual PostGraduate Assembly in Anesthesiology, sponsored by the New York State Society of Anesthesiologists, New York, New York, December 2014
“Hands-on cadaver, ultrasound and live model regional anesthesia”
“Ultrasound assisted neuraxial anesthesia”

CHAN, VWS

- Ganga Anesthesia Refresher Course, Coimbatore, Tamil Nadu, India, June 2015
“Ultrasound for regional anesthesia - an update”
“Changing practice of regional anesthesia” “Strategies to avoid regional anaesthesia complications”
- Meir Medical Center, Tel-Aviv, Israel, May 2015
“Ultrasound for regional anesthesia: success & safety”
“Update on ultrasound guided neuraxial block” “Peri-operative anesthesia and pain management for total joint replacement surgery - pearls and pitfalls”
- 40th Annual Regional Anesthesiology and Acute Pain Medicine Meeting, American Society of Regional Anesthesia and Pain Medicine, Las Vegas, Nevada, May 2015
“Focused lung ultrasound”
“Ultrasound workshop - blocks for the arm, elbow, and hand”
“Nerve block complication diagnosis with US: pneumothorax, diaphragmatic paralysis, hematoma, and intraneural injection”
“Ultrasound-guided workshop-lower extremity catheter”
- Beijing Jishuitan Hospital, Beijing, China, April 2015
“Regional anesthesia training in Canada”
“How to publish papers in international journals”
- Columbia University Medical Center, New York, New York, March 2015
“Ultrasound research for anesthesia applications”
“Perioperative use of ultrasound for anesthesia practice”
- International Anesthesia Research Society, Honolulu, Hawaii, March 2015
“Ultrasound for regional anesthesia: across the age spectrum”
“Advanced ultrasound workshop - sciatic nerve blocks”
- Aspen Anesthesia 2015, Aspen, Colorado, February 2015
“Regional anesthesia and patient outcome”
“Update on ultrasound guided peripheral nerve blocks”
“Update on ultrasound guided neuraxial and truncal blocks”
“Perioperative use of ultrasound for anesthesia practice”
- Indiana Society of Anesthesiologists, Carmel, Indiana, February 2015
“Recent advances in peripheral nerve block”
“Peripheral nerve block related injuries”
- 13th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine Congress, Bangkok, Thailand, January 2015
“Impact of regional anesthesia in extremity surgery”
“Basic ultrasound spine imaging”
“Cadaveric workshop - lower extremity”
- World Congress of Regional Anesthesia and Pain Therapy 2014, Western Cape, South Africa, November 2014
“Intraneural injection avoidance and prevention”
“Magic bullet in averting RA complication - does the ultrasound really work”
“Lumbar paravertebral sonography and ultrasound guided lumbar plexus block workshop”
“Brachial plexus block

techniques above the clavicle: interscalene and supraclavicular approach

- American Society of Anesthesiologists Annual Meeting 2014, New Orleans, Louisiana, October 2014
“Nerve injury following regional anesthesia: what has ultrasound taught us?”
“Peripheral nerve blocks: ultrasound, simulation and stimulation”
“Point of care: novel use of ultrasonography in everyday pediatric anesthesia practice”
- Regional Anesthesia Pain Medicine 2015, Toronto, Ontario, June 2015
“Ultrasound for regional anesthesia: past, present, future”
“Airway ultrasound”
- Scottsdale Anesthesia Conference, Scottsdale, Arizona, October 2014
“Update on ultrasound for regional anesthesia”
“Perioperative use of ultrasound for anesthesia practice”
“Regional anesthesia and patient outcome”
“Hot topics in regional anesthesia”

CHANDRA, D

- 6th Annual Women’s Health Symposium, Toronto, Ontario, February 2015 *“Anesthesia for office-based procedures”*

CHIN, KJ

- Ultrasound-Guided Cadaver Course in Regional Anesthesia and Central Vascular Access, Pennsylvania State University, Hershey, Pennsylvania, May 2015
“Sonoanatomy related to thoracic and lumbar spine”
“Image acquisition techniques”
- Department of Anesthesiology and Critical Care, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, May 2015
“Neuraxial anesthesia in lower limb surgery: why, when, and how”

- Research-in-Progress Lecture Series, Department of Anesthesiology and Critical Care, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, May 2015
“Ultrasound-guided neuraxial blockade - past, present, and future”
- 40th Annual Regional Anesthesiology and Acute Pain Medicine Meeting, Las Vegas, Nevada, 2015
“Optimizing epidural placement: ultrasound guidance for neuraxial anesthesia”
“Ultrasound blocks for the trunk and abdomen workshop”
“Ask the experts workshop: advanced neuraxial and paravertebral blocks”
- World Congress of Regional Anaesthesia and Pain Therapy, Cape Town, South Africa, November 2014 *“Advanced ultrasound-guided peripheral nerve block techniques (spinal, epidural and caudal) – cadaver workshop”*
“Spinal sonography and ultrasound for central neuraxial blocks - the basics workshop”
- Ultrasound for Regional Anesthesia, 4th Biannual International Multidisciplinary Pain Congress, Eindhoven, Noord-Brabant, the Netherlands, September 2014
“Neuraxial, lumbar, and thoracic blocks workshop”
“Clinical pearls for common and uncommon blocks”
“Neuraxial and paravertebral anatomy and sonoanatomy”
- Annual Congress of the Association of Anaesthetists of Great Britain and Ireland, Harrogate, North Yorkshire, United Kingdom, September 2014
“Sonography for central neuraxial blockade”
“Ultrasound in regional anaesthesia - neuraxial approaches”
- Canadian Anesthesiologists Society Annual Meeting, Ottawa, Ontario, June 2015
“Consistency in ultrasound-guided regional anesthesia - neuraxial blockade”
- Annual Continuing Medical Education Day, Association of Anesthesiologists of Quebec, Quebec City, Quebec, November 2014
“Ultrasound-guided neuraxial block: does it enhance performance and security”
“Workshop: ultrasound in regional anaesthesia - neuraxial block “
- Department of Anesthesia, Toronto Western Hospital, University of Toronto, Toronto, Ontario, February 2015
“Ultrasound guided regional anesthesia workshop”
- Department of Anesthesia, Toronto Western Hospital, University of Toronto, Toronto, Ontario, January 2015
“Ultrasound guided regional anesthesia workshop”
“Ultrasound guided vascular access workshop”

CHOI, M

- Sunnybrook Education Innovation Conference, Toronto, Ontario, October 2014
“Exit simulation”

CHOI, S

- Institute on Advancing Pain Assessment and Management, Lawrence Bloomberg Faculty of Nursing, Toronto, Ontario, February 2015
“Procedural analgesia/sedation and interventional acute pain management”
- American Society of Regional Anesthesia and Pain Medicine, 40th Annual Meeting, Las Vegas, Nevada, May 2015
“Ultrasound principles: lower extremity, upper extremity, and truncal anatomy”
“Ask the experts: interactive demonstration - blocks for knee and ankle surgery”

“Hands on ultrasound guided CPNB workshop: lower extremity”

CHUNG, F

- American Thoracic Society, Denver, Colorado, May 2015
“Identifying and preparing obstructive sleep apnea patients preoperatively”
“Perioperative management of patients with obstructive sleep apnea”
- Department of Anesthesiology, University of Massachusetts Medical School, UMass Memorial Medical Center, Worcester, Massachusetts, May 2015
“Obstructive sleep apnea: What an anesthesiologist should know”
“Morbid obesity: a challenge for everyone”
- North East Sleep Society, Tarrytown, New York, March 2015
“Pre-operative screening for sleep apnea and CPAP treatment: is this evidence-based?”
- International Anesthesia Research Society Meeting, Honolulu, Hawaii, March 2015
“Must read guidelines for ambulatory anesthesia: OSA”
“Obesity and obstructive sleep apnea: a combined nightmare”
- Mohammed Bin Rashid Academic Medical Center, Dubai, United Arab Emirates, March 2015
“Morbidly obese patients: a clinical challenge for everyone”
“Obstructive sleep apnea: what should an anesthesiologist know?”
- 2014 Congress of Shanghai Association of Anesthesiologists, Shanghai, China, November 2014
“Obstructive sleep apnea: what should an anesthesiologist know?”
- Department of Anesthesiology - Icahn School of Medicine at Mount Sinai, New York, New York, November 2014

“Obstructive sleep apnea: how to screen and manage sleep apnea patients”

- American Society of Anesthesiologist Meeting, New Orleans, Louisiana, October 2014
“Sleep apnea in morbidly obese patients”
“Obstructive sleep apnea: what an anesthesiologist should know”
- 3rd Annual Meeting of the Society of Anesthesia and Sleep Medicine, New Orleans, Louisiana, October 2014
“CPAP: is it efficacious?”
- 41st Argentina Society of Anesthesiologists Meeting, Buenos Aires, Argentina, August 2014
“STOP-bang questionnaire: how to screen obstructive sleep apnea patients”
“Should patients with OSA be done as outpatients?”
“Obstructive sleep apnea: what an anesthesiologist should know”
- World Anesthesia Convention, Vancouver, British Columbia, May 2015
“Are patients with OSA suitable as outpatients?” *“Best scientific publications: a year in review”*

CLARKE, H

- North York General Hospital, Joint Anesthesia and Orthopaedic Surgery Rounds, Toronto, Ontario, March 2015
“Perioperative gabapentin and pregabalin – should my patient receive it?”
- Multi-Organ Transplant Inter-professional Rounds, Toronto, Ontario, February 2015
“Reducing post-surgical pain and chronic pain disability: the development of a transitional pain service (TPS) following major surgery”
- General Surgery Hospital Rounds, Toronto, Ontario, October 2014
“Surgery, chronic pain, and

postoperative opioid use: are we part of the problem? Can we be part of the solution?”

- University of Toronto Centre for the Study of Pain, Toronto, Ontario, February 2015
“Neuropathic pain following major surgery: transitional pain medicine”
- Institute on Advancing Pain Assessment and Management Across the Life Span, Toronto, Ontario, February 2015
“The essentials of pain biology & transition from acute to chronic pain”
- 19th Regional Anesthesia and Pain Medicine Hands-On Workshop, Toronto, Ontario, June 2015
“The future of pain research”
- Canadian Pain Society, Toronto, Ontario, May 2015
“A novel, multidisciplinary, transitional pain service designed to manage severe, acute postsurgical pain and prevent the transition to chronicity”
- American Society for Reconstructive Microsurgery, Nassau, Bahamas, January 2015
“Postoperative pain following breast surgery and microsurgery”
- UHN International: Danish Delegation Visit, Toronto, Ontario, September 2014
“The transitional pain service”

COOPER, R

- Department of Otolaryngology, University of Toronto (City-wide Grand Rounds), Toronto, Ontario, October 2014
“Laryngoscopy – past and future”
- Toronto Anesthesia Symposium Lecture, University of Toronto, Department of Anesthesia, Toronto, Ontario, April 2015
“Videolaryngoscopy: is there evidence of improved outcomes?”
- Tan Tock Seng Hospital, Singapore, June 2015
“Airway management in the era

of video laryngoscopy”
“Extubation of the difficult airway”

- 55th Annual McGill Anesthesia Update Review Course Lecture, McGill University, Montreal, Quebec, May 2015
“Airway management in the era of video laryngoscopy workshop: tips and tricks using the video laryngoscope”
- European Society of Anaesthesiologists, Berlin, Germany, May 2015
“Airway management workshop”
- International Anesthesia Research Society, Honolulu, Hawaii, March 2015
“Airway dilemmas—are you well equipped?”
“Airway management: are we advancing the science?”
- Tata Memorial Centre, Mumbai, India, November 2014
“National conference on the difficult airway”
- Critical Care Canada, Toronto, Ontario, October 2014
“Airway minisymposium lecture”
“Critical care airway management”
- American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
“Clinical difficult airway workshop and airway simulation”
“Basic adult flexible fiberoptic intubation workshop”
- Society for Airway Management Annual Scientific Meeting and Workshop, Seattle, Washington, September 2014
“Future trends in airway research and status report on SAM research projects”
“Recording and archiving you airway cases”
“Airway workshop: video laryngoscopy”

CRAWFORD, MW

- Pierre Limoges Lecture, Canadian Anaesthesiology Society, Ottawa, Ontario, June 2015
“Quality indicators in anesthesia: can feeding data back to physicians improve care?”

CURLEY, G

- Keenan Research Centre for Biomedical Science of St. Michael's Hospital Research Meeting, St. Michael's Hospital, Toronto, Ontario, January 2015
“Mesenchymal stromal cell - macrophages interactions in ARDS”
- University of Toronto, Critical Care Physiology Rounds, Hospital for Sick Children, Toronto, Ontario, November 2014
“Stem cell therapy and ARDS”
- Canadian Critical Care Forum/ARDS and Critical Illness Cell Therapy Symposium 2014, Toronto, Ontario, October 2014
“Activated cells are better”
- Australia and New Zealand Intensive Care Society Annual Scientific Meeting, Melbourne, Australia, October 2014
“Cell therapy for ARDS: building a case for a clinical trial”

CUTHBERTSON, B

- The “Partnering to Save Lives” Conference, Trillium Gift of Life Network, Toronto, Ontario, March 2015
“Expanding support for hospitals: the hospital donation physician role”
- 2014 ISF Stephen F. Lowry Colloquium, Paris, France, December 2014
“The SuDDICU trial: SDD, patient outcomes and bacterial resistance”
- Critical Care Canada Forum, Toronto, Ontario, November 2014
“Tracheostomy: when – in whom?”

- Critical Care Canada Forum, Toronto, Ontario, October 2014
“You survived ICU – what now?”

D

DEVITO, I

- Mississauga Academy of Medicine, Credit Valley Hospital, Mississauga, Ontario, January 2015
“Checking in and what is new: teaching in the anesthesia clerkship rotation”
- Faculty Development Day, University of Toronto, Toronto, Ontario, November 2014
“The introduction of the longitudinal integrated curriculum”
- Mississauga Academy of Medicine, Credit Valley Hospital, Mississauga, Ontario, October 2015
“Checking in and what is new: teaching in the anesthesia clerkship rotation”
- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“Management of the morbidly obese parturient presenting with placental abruption”
- Canadian Conference in Medical Education, Vancouver, British Columbia, April 2015
“We flipped a clerkship: lessons learnt, considerations, challenges and insights”
“Introducing the flipped classroom in the anesthesia clerkship”

DJAIANI, G

- Sunnybrook Health Sciences Centre, Anesthesia, CVICU and Surgical Rounds, Toronto, Ontario, March 2015
“Dexmedetomidine reduces delirium”
- Toronto General Hospital, Department of Anesthesia and Pain Management, Grand Rounds, Toronto, Ontario, February 2015
“Dexmedetomidine reduced delirium in elderly patients after cardiac surgery”

- Society of Cardiovascular Anesthesiologists, Washington, DC, April 2015
“When unpredicted happens: structural surprises in cath lab”
“Minimally invasive cardiac surgery: OPCAB”
“PBL: treatment of coronary artery disease: the role of OPCAB”
- Annual Symposium: Clinical Update in Anesthesiology, Surgery, and Perioperative Medicine, Mount Sinai Hospital, New York, Saint Kitts, Saint Kitts and Nevis, January 2015
“Research in improving neurological outcomes after cardiac surgery”
- Baltic Congress of Anaesthesia and Intensive Care, Riga, Latvia, December 2014
“POCD: how much is down to the anaesthetist?”
“Blood conservation and transfusion in cardiac surgery: focus on outcomes”
- EACTA/ICCVa, Florence, Italy, September 2014
“VADs: bridge to transplantation”

DLACIC, A

- 12th University of Toronto Obstetric Anesthesia Conference, Toronto, Ontario, September 2014
“PBL: Anesthesia for surgery during pregnancy: the case of a laparoscopic appendectomy”
- TIA 2014, Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“Management of a complicated parturient on therapeutic anticoagulation”

DUFFIN, J

- Critical Care Physiology Rounds Sick Children's Hospital, Toronto, Ontario, May 2015
“The importance of carbon dioxide”

- Experimental Biology, Boston, Massachusetts, April 2015
“The relationship between cerebral blood flow and carbon dioxide”

E

EVANS, AW

- Carlo Fidani Center, Trillium Health Partners, Credit Valley Site, Mississauga, Ontario, June 2015
“Role of hyperbaric oxygen therapy in the management of radiation late effects”
- International Interdisciplinary Wound Care Course, Michener Institute, Toronto, Ontario, May 2015
“Patient selection for hyperbaric oxygen therapy using transcutaneous oximetry”
- Odette Center, Sunnybrook Health Sciences Centre, Toronto, Ontario, May 2015
“Role of hyperbaric oxygen therapy in the management of radiation late effects”
- Hyperbaric Medicine Unit, Toronto General Hospital Department Rounds, Toronto, Ontario, May 2015
“Role of transcutaneous oximetry in candidate selection for hyperbaric oxygen therapy”
- THP Vascular Symposium, Trillium Health Partners, Mississauga, Ontario, May 2015
“Role of hyperbaric oxygen therapy in lower limb salvage in persons with diabetes”
“Role of transcutaneous oximetry in assessment of the vasculopath”
- Hyperbaric Medicine Unit, Toronto General Hospital, Toronto, Ontario, January 2015
“Hyperbaric oxygen therapy contraindications”
- International Interdisciplinary Wound Care Course, Michener Institute and University of Toronto, Toronto, Ontario, September 2014

“Patient selection for hyperbaric oxygen therapy using transcutaneous oximetry”

- Hyperbaric Medicine Unit, Toronto General Hospital, Toronto, Ontario, September 2014
“Hyperbaric medicine decision making: necrotising infections and osteomyelitis”
- Hyperbaric Medicine Unit, Toronto General Hospital, Toronto, Ontario, July 2014
“Hyperbaric medicine foundations primer - elective care basics”

EVERETT, T

- The Hospital for Sick Children Medical Advisory Committee, Toronto, Ontario, June 2015
“SickKids integrated sedation service”
- University of Toronto Faculty of Medicine Clinical Chairs Meeting, Toronto, Ontario, April 2015
“Canadian national anesthesia simulation curriculum and milestone assessments”
- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“Ask the experts – pediatric anesthesia”
- Royal College of Physicians and Surgeons of Canada Simulation Summit, Toronto, Ontario, September 2014
“Designing and implementing an interprofessional in-situ team training program for anesthesiologists”
“Research on simulation-based educational intervention: how to design and conduct effective studies”
- International Pediatric Simulation Society, Vancouver, British Columbia, May 2015
“Designing and implementing an in-situ IPE team training program involving anesthesiologists”
“PEARLS debriefing – a blended method approach to debriefing”
“Challenging debriefings:”

tools to navigate difficult conversations during simulation-based education”

- 10th Annual Meeting of International MEPA Collaborative, Brighton, United Kingdom, March 2015
“Managing Emergencies in Pediatric Anesthesia (MEPA) - Global expansion and research update Brighton and Sussex Medical School”
- International Meeting for Simulation in Healthcare, New Orleans, Louisiana, January 2015
“How to design and conduct effective research for simulation-based educational interventions”
“Promoting excellence and reflective learning simulation (PEARLS): a blended approach to debriefing”
- Hamad Medical Corporation - SickKids International, Doha, Qatar, November 2014
“Pediatric sedation education and training”
- International Conference on Residency Education, Toronto, Ontario, October 2014
“Debriefing: from simulation to the clinical setting”
- University of Toronto, Department of Otolaryngology Surgery, Toronto, Ontario, October 2014
“Otolaryngology/anesthesiology interprofessional airway crisis simulation”

F

FRIEDMAN, Z

- RCPSC- Sim Summit, Toronto, Ontario, September 2014
“So you want to do simulation research”
- Society for Simulation in Healthcare, New Orleans, Louisiana, January 2015
“Research for ‘dummies’: the obstacles to starting (and finishing) a research project”

G

GAGLIESE, L

- Guelph Waterloo Senior Association, Guelph, Ontario, October 2014
“Pain in older people: a learning needs assessment”

GARAVAGLIA, M

- St. Michael's Hospital, Toronto, Ontario, January 2015
“Awake craniotomy: perioperative nursing management”
- The Toronto Collaborative Neuroscience Symposium, Toronto, Ontario, November 2014
“Perioperative management of patient undergoing awake craniotomy”
- University of Manitoba Grand Rounds Department of Anesthesia, Winnipeg, Manitoba, April 2015
“Four critical steps for enhancing a perioperative program for awake craniotomy”
- University of Manitoba Neuroanesthesia Meeting, Winnipeg, Manitoba, April 2015
“Refining anesthetic approaches to improve patient safety in awake craniotomy”

GARDNER-NIX, J

- Nurses' Week, St. Michael's Hospital, Toronto, Ontario, May 2015
“Caring for me caring for you: staying healthy in high stress environments”
- Ajax-Pickering Hospital, Ajax, Ontario, January 2015
“Caring for me caring for you: staying healthy in high stress environments”
- Centenary Health Sciences Centre, Scarborough, Ontario, November 2014
“Caring for me caring for you: staying healthy in high stress environments”
- Canadian Association of Orthopaedic Medicine, Toronto, Ontario,

October 2014
“Mindfulness as first line in chronic pain management strategy and prevention: evidence and progress”

- AIM Health Group, Mississauga, Ontario, September 2014
“Mindfulness-based pain management chronic pain management pain update 2014”

GOFELD, M

- St. Michael's Hospital, Orthopedic Surgery, Toronto, Ontario, October 2014
“Denervation of joints”
- Women's College Hospital, Cardiology Grand Rounds, Toronto, Ontario, September 2014
“Treatment decision support for refractory angina”
- Interventional Pain Special Interest Group of the Canadian Pain Society, Vancouver, British Columbia, March 2015
“Challenges in assessment of chronic pain outcomes Canadian interventional pain course”
- World Academy of Pain Medicine Ultrasonography and Well Cornell University, New York, New York, June 2015
“Ultrasonography in pain medicine course and workshop”
- 12th Congress of International Neuromodulation Society, Montreal, Quebec, June 2015
“Capturing outcomes in neuromodulation of neuropathic pain”
- World Institute of Pain (Benelux), Maastricht, Netherlands, June 2015
“Ultrasonography in pain medicine review course and workshop”
- Department of Physical Medicine and Rehabilitation, University of Utah, Park City, Utah, January 2015
“Transdisciplinarity”
- World Academy of Pain Medicine Ultrasonography International Workshop on Spinal Sonography, Atlanta, Georgia, January 2015
“Ultrasonography in spine interventions”
- 1st international Congress and Workshops of World Academy of Pain Medicine, Miami, Florida, January 2015
“Ultrasonography-guided ablative procedures in MSK”
- Swiss Interventional Pain Society, Montreux, Switzerland, November 2014
“Ultrasonography in spine interventions”
- 91st Korean Society of Anesthesiologists Congress, Seoul, Democratic People's Republic of Korea, November 2014
“Challenges and controversies in assessing chronic pain and treatment outcome”
- 6th Annual International Congress on Spinal and Paraspinal Sonology, Hong Kong, China, October 2014
“Ultrasonography-guided sympathetic blocks”
- 6th Annual International Congress on Spinal and Paraspinal Sonology, Hong Kong, China, November 2014
“Ultrasonography-guided sympathetic blocks”
- World Institute of Pain, 18th Annual Advanced Pain Conference and Practical Workshop, Budapest, Hungary, August 2014
“Radiofrequency facet denervation”
“Cadaver workshops”
- North American Neuromodulation Society, Las Vegas, Nevada, December 2014
“Ultrasonography-guided intrathecal pump refill; spinal cord stimulation teaching”

GOLDSZMIDT, E

- Ontario Anesthesia Meeting, Toronto, Ontario, September 2014
“Tariff report”

GREENWOOD, E

- Toronto Interactive Anesthesia, University of Toronto, Toronto, Ontario, November 2014
“Pediatric adenotonsillectomy PBLD”

H

HALPERN, S

- Department of Anesthesia, Hadassah University Hospital, Ein Karem Jerusalem, Israel, February 2015
“Ultrasound facilitated neuraxial blocks”
“A new approach to the difficult airway in obstetrics including systematic review and decision analysis”
“Difficult airway working group”
“Systematic approach to the use of lumbar ultrasound before epidural and spinal anesthesia”
- Society of Colombian Anesthesiologists Annual Congress, Colombia, June 2015
“Ultrasound education in pain medicine”
“Intravenous infusions in pain medicine”

HANLON, J

- Wasser Pain Clinic Academic Rounds, Toronto, Ontario, June 2015
“The University of Toronto Pain Medicine Residency”
- Ultrasound for Pain Medicine (USPM), Toronto, Ontario, June 2015
“Ultrasound guided spine injections: cadaver workshop”
- World Academy of Pain Medicine Ultrasonography, Miami, Florida, January 2015
“Ultrasonography for intrathecal pump refill”
- Society of Colombian Anesthesiologists Annual Congress, Colombia, June 2015
“Ultrasound education in pain medicine”
“Intravenous infusions in pain medicine”

“Ultrasonography for pain medicine procedures workshop”

HARE, G

- Li Ka Shing Knowledge Institute Research Seminar Series, Toronto, Ontario, May 2015
“Translational approaches to minimizing the risk of perioperative anemia: from animal studies to improved clinical care”
 - Department of Obstetrics and Gynecology, St. Michael's Hospital, Toronto, Ontario, October 2014
“Patient blood management in obstetrics: how can we continue to improve the quality of care for obstetric patients?”
 - Grand Rounds, Department of Anesthesia, St. Michael's Hospital, Toronto, Ontario, September 2014
“An update on TXA in hip and knee arthroplasty at SMH: a quality improvement initiative to reduce RBC transfusion, post-operative anemia and cost”
 - The A. William, Austin and Amos Friend Memorial Visiting Professorship, Queen's University 36th Annual Anesthesiology Research Day, Kingston, Ontario, April 2015
“Assessing and treating the risk of perioperative anemia: a translational approach from animal studies to improved clinical care”
 - 2014 meeting of the American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
“PN67: Understanding the role of anemia on patient outcomes: an innocent bystander? How low can you go? Biomarkers and hemoglobin concentrations”
-
- ## HOUSTON, P
- University of Toronto, Toronto, Ontario, December 2014
“Which is better:

interprofessional practice in real time or focused continuing professional development to acquire the knowledge and skills of interprofessional practice?”

- Canadian Anesthesiologists Society, Ottawa, Ontario, June 2015
“Choosing wisely Canada – how to do better with less”
- 59th Annual Ontario Anesthesia Meeting, Toronto, Ontario, September 2014
“Canadian Anesthesiologists' Society update”
- Royal Australasian College of Surgeons, Melbourne, Victoria, Australia, March 2015
“How can we teach QI competencies”
- International Medical Symposium - Royal Australasian College of Surgeons, Melbourne, Victoria, Australia, March 2015
“Collaborative care – competencies needed for the future of healthcare”
- Academy of Surgical Educators, Royal Australasian College of Surgeons, Melbourne, Victoria, Australia, March 2015
“Effective mentoring skills”
- Doctors Updates 2015, Val d'Isere, Savoie, France, February 2015
“Perioperative myocardial infarction: which beta-blocker is more protective?”
“When is blood the right fluid?”

HEGGIE, JE

- South lake Regional Hospital, Newmarket, Ontario, October 2014
“ACHD non-cardiac surgery & sedation”
- National Fellows Day, Toronto General Hospital, Toronto, Ontario, October 2014
“A practical approach to the ACHD patient and TEE”
“Interactive wet lab, dissection of porcine hearts with relation to TEE images”

- Ontario Medical Association Annual Anesthesia Meeting, Toronto, Ontario, September 2014
“ACHD non-cardiac surgery and sedation”
- St. Vincent's Hospital NSW, Sydney, New South Wales, Australia, May 2015
“ACHD and non-cardiac surgery: management and risk stratification”
“A practical approach to peri-operative ECHO and congenital heart disease”
- St. James's Hospital Dublin, Dublin, Ireland, March 2015
“A practical approach to the ACHD patient and TEE”
- College of Anesthetists Ireland, Dublin, Ireland, March 2015
“ACHD non-cardiac surgery and ICU for the regional hospital”
- Mater Misericordia Hospital, Dublin, Ireland, March 2015
“The mature ACHD patient and re-do cardiac surgery... the expanding population of patients living with single ventricle physiology”
- Galway University Medical School, Galway, Ireland, March 2015
“ACHD non-cardiac surgery and ICU”

HOCKMANN, E

- International Winter Arrhythmia School, Collingwood, Ontario, February 2015
“Ultrasound guided vascular access workshop”
- Brampton Civic Hospital/ William Osler Combined Critical Care and ER Grand Rounds, Brampton, Ontario, September 2014
“Integrated sonographic assessment of volume responsiveness: what tools to use and when”
- Canadian Anesthesia Society Annual Meeting, Ottawa, Ontario, June 2015
“Ultrasound in anesthesia: are you blind without it?”

- WINFOCUS Basic Echocardiography (WBE) Focused Cardiac Ultrasound and Lung Ultrasound Course, Toronto, Ontario, April 2015
"Basic RV function"
"Image review session 2 – RV function, IVC, pericardium"
"RV function, IVC, pericardium"
"Knobology parasternal views apical views subcostal views"
"Integrated approach to shock and dyspnea"
- The Emergency Critical Care Airway Course, Mississauga, Ontario, December 2014
"Know your equipment and practical BMV sessions"
"Predicting difficult bag valve mask"
"Predicting laryngeal mask airway and cricothyroidotomy"
"Prepare equipment/ positioning/pre-oxygenation"
- The Emergency Critical Care Airway Course, Mississauga, Ontario, September 2014
"Prepare equipment/ positioning/pre-oxygenation"
- The Emergency Critical Care Airway Course, Prince Albert, Saskatchewan, September 2014
"Predicting difficult bag valve mask"
"Equipment/positioning/pre-oxygenation"
"Know your equipment and BMV practical sessions"

HOLTBY, H

- Canadian Pediatric Anesthesiologists' Society/ APAGBI, Montreal, Quebec, September 2014
"Hit me with your best... case!"
"Safety in paediatric anaesthesia: a contrarian view of the surgical safety checklist and other laudable initiatives"
- ISAAC, LA
- Canadian Pediatric Anesthesia Society, Montreal, Quebec, September 2014
"Acute to chronic pain: managing the transition"

J

JADAD, AR

- 3rd Maratón Empresarial 2015, Toronto, Ontario, June 2015
"One Toronto for the world"
- Cities of Learning: The University in the Americas - A Symposium at the University of Toronto, Toronto, Ontario, May 2015
"Could Toronto become the first large city in the world in which every person could access healthy, affordable and delicious food, within walking distance, 365 days a year?"
- Engineering World Health 2015 Symposium, Toronto, Ontario, March 2015
"Creating a pandemic of health"
- Office of the Fairness Commissioner, Toronto, Ontario, November 2014
"Transforming access: a forum on the licensing of internationally educated professionals and tradespeople"
- Alumni Dinner, Javeriana University, Toronto, Ontario, October 2014
"Del temor al amor: ¿Cómo podríamos liberarnos para ser felices?"
- Hispanic Philanthropy Conference, Toronto, Ontario, September 2014
"Quo vadis philanthropy?"
- AAHCI Latin America Regional Meeting, Academic Health Centers, Bogota, Distrito Capital de Bogotá, Colombia, June 2015
"Design thinking and health: re-imaging research, education and health"
- Centre for Design and Innovation, Bogota, Distrito Capital de Bogotá, Colombia, June 2015
"Creating a healthy, happy and sustainable corporation"
- ASMEDAS Annual Conference 2015, Bogota, Distrito Capital de Bogotá, Colombia, May 2015
"What will be our role in the 21st Century?"
- International Collaboration Forum on Information Technology and Health, Guadalajara, Mexico, February 2015
"Logremos la salud y el bienestar hasta el ultimo suspiro de la vida: el internet y otras tecnologías"
- XXVI National Congress of the National Association of Family Compensation Funds, ASOCAJAS, Cartegena, Bolívar, Colombia, October 2014
"La salud y el bienestar común a través de las tecnologías de la información y la comunicación"
- 2015 World Innovation Summit for Health (WISH), Doha, Qatar, February 2015
"End-of-life forum"
- Ninth National Congress of Health, Bogota, Distrito Capital de Bogotá, Colombia, October 2014
"La Salud en la era GRIN: Cual sera El papel de los humanos en el siglo XXI?"
- Javeriana University's Cultural Week, Bogota, Distrito Capital de Bogotá, Colombia, August 2014
"¿Es posible crear una pandemia de salud?"
- PEP Universitarios 9th Forum, Barranquilla, Atlántico, Colombia, August 2014
"Del temor al amor: ¿Cómo liberarnos para ser felices?"
- ANDI Conference, Medellin, Antioquia, Colombia, August 2014
"Innovaciones GRIN: reinventando la empresa en el siglo XXI"
- GESTARSALUD, Bogota, Distrito Capital de Bogotá, Colombia, July 2014
"La pandemia oculta de salud"

JARIANI, M

- Congenital Cardiology Meeting, Toronto, Ontario, June 2015
"20 years of ACHD anesthesia, what do I focus on for heart transplant in ACHD"

JERATH, A

- Sunnybrook Health Sciences Centre, Department of Critical Care Medicine, Toronto, Ontario, March 2015
"Volatile sedation for critical care sedation"

JOHNSTON, BC

- Hospital for Sick Children Grand Rounds, Toronto, Ontario, December 2014
"Evidence synthesis methods unit"
- Hospital for Sick Children Grand Rounds, Toronto, Ontario, September 2014
"Patient-reported outcomes in meta-analysis: Cochrane handbook guidelines for improving interpretability"

K

KARKOUTI, K

- University of Toronto, Transfusion Medicine Retreat, Toronto, Ontario, April 2015
"Intraoperative patient blood management: tranexamic acid, cell salvage and triggers"
- Canadian Blood Services, Transfusion Medicine Resident Education Programme, Toronto, Ontario, January 2015
"Perioperative blood conservation"
- Hospital for Sick Children, Department of Anesthesia, Toronto, Ontario, January 2015
"Improving outcomes with point-of-care hemostasis testing in cardiac surgery"
- Department of Medicine, Division of Hematology and Thromboembolism, McMaster University/Juravinski Hospital and Cancer Centre, Hamilton, Ontario, March 2015

"Evaluation of a point-of-care based algorithm to guide coagulation management in cardiac surgery"

- London Health Sciences Centre, Departments of Anesthesia and Surgery, London, Ontario, February 2015
"Evaluation of a novel transfusion algorithm employing point-of-care coagulation assays in cardiac surgery"
- Canadian Society for Transfusion Medicine, Winnipeg, Manitoba, May 2015
"Use of point-of-care coagulation monitoring in cardiac surgery"
"Update on transfusion trials in cardiac surgery"
- Ontario Hospital Association/ Baxter, Toronto, Ontario, March 2015
"Use of point-of-care algorithms to guide management of coagulopathy in Cardiac Surgery Webcast"
- SCA 37th Annual Meeting and Workshops/15th ICCVA Meeting, Washington, DC, April 2015
"Earl Wynands Lecture: Which is worse for the kidneys - anemia or blood transfusion?"
"Problem based learning discussion: blood conservation and management"
"Optimal transfusion practice: can we minimize transfusion-related injury?"

KARSLI, C

- Departmental Morbidity and Mortality Rounds, The Hospital for Sick Children, Toronto, Ontario, March 2015
"Two cases of intraoperative hypotension and a review of anaphylaxis"
- Southlake Department of Anesthesia Lecture Series, Newmarket, Ontario, May 2015
"Pediatric challenging airway management"

- Canadian Critical Care Conference, Toronto, Ontario, October 2014
"Workshop instructor"
- Hamad Medical Corporation, Doha, Al Wakrah, Qatar, November 2014
"Anesthesia for minimal access surgery anesthesia"
"Anesthesia for airway and esophageal endoscopy"
- KATZNELSON, R
▪ Department of Vascular Surgery, Toronto General Hospital, University of Toronto, Toronto, Ontario, May 2015
"Hyperbaric oxygen therapy in vascular patients"
- Division of Orthopaedic Surgery, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, April 2015
"Hyperbaric oxygen therapy in orthopaedic patients"
- ICU Fellow Rounds, Toronto, Ontario, April 2015
"Hyperbaric oxygen therapy in critically ill patients"

KAVANAGH, BP

- Ottawa Heart Institute, Ottawa, Ontario, October 2014
"Moving forward together: how institutions should use guidelines and protocols"
- Critical Care Canada Forum 2014, Toronto, Ontario, October 2014
"Co-moderator: physiology symposium"
"How will we manage injured lungs?"
"Co-moderator: what is ARDS?"
"VA-ECMO – testing O2 supply-dependency"
- 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2015
"Sepsis and ARDS: towards individualized therapies"
"The biology: VILI – still a problem?"
"Can hypercapnia help: VILI – still a problem?"
"The current place of protocols: Do you like bundles?"
"VO2 is dependent DO2 –

- evidence from VA ECMO"*
"Altered oxygen extraction Omics: the basics (moderator)"
"How much oxygen? (moderator)"
- 11th European Postgraduate Course in Neonatal and Pediatric Intensive Care, Berne, Switzerland, March 2015
"Clinical decision making in critical care medicine: strengths and limitations of kinds of medical knowledge"
- NEICS Spring Meeting, Darlington, United Kingdom, March 2015
"Treating parameters: use and abuse of protocols"
- Dutch Society of Intensive Care Conference, Den Bosch, the Netherlands, February 2015
"The value of evidence based medicine and RCTs in intensive care permissive hypercapnia"
- Society of Critical Care Medicine Congress, Phoenix, Arizona, January 2015
"Protocols: to guide or to blame?"
- Critical Care Grand Rounds, University of Alabama, Birmingham, Alabama, December 2014
"Moving forward together – how institutions should use guidelines and protocols"
- ICU Grand Rounds, Bloomsbury Institute of Intensive Care Medicine, London, United Kingdom, October 2014
"Protocols and guidelines: over-used and under-appreciated"
- Anesthesiology 2014 (ASA), New Orleans, Louisiana, October 2014
"We give too much fluid in the OR"
- OPENPediatrics, Boston, Massachusetts, October 2014
"Protocols and guidelines in acute care"

KHANDUJA, PK

- Toronto Anesthesia Symposium 2015, Toronto, Ontario, April 2015
"The obstetric patient with a difficult airway for emergency Caesarean section"
- Toronto Interactive Anesthesia Conference 2014, Toronto, Ontario, November 2014
"Obstetric considerations for the morbidly obese parturient"
- Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2014
"Substance abuse: a national survey of Canadian anesthesia residency program directors and university affiliated anesthesia departments site chiefs"
- The Royal College of Physicians and Surgeons of Canada – Simulation Summit, Toronto, Ontario, September 2014
"Simulation-based cardiac arrest training: teaming up for patient safety"
"Defining competencies for the novice echocardiographer: the use of modified Delphi technique to develop a simulation-enhanced transthoracic echocardiography curriculum"

KIM, H

- 1st Annual Canadian Cardiac Anesthesia Fellows' TEE Board Review, Toronto, Ontario, October 2014
"Hemodynamics for TEE"
- 12th Annual Toronto Perioperative TEE Symposium, Toronto, Ontario, November 2014
"Focused cardiac ultrasound in code blue workshop"
"3D MV models: are they useful"
- 59th Annual Ontario Anesthesia Meeting, Toronto, Ontario, September 2014
"FOCUS ultrasound"
- International ultrasound certification program, Toronto, Ontario, April 2015

“WINFOCUS basic echocardiography – focused cardiac ultrasound and lung ultrasound course”

- 11th Annual Harvard Perioperative Transesophageal Echocardiography and Annual Echo Boards Review Course, Boston, Massachusetts, September 2014
“TTE workshop station”
“Aortic valve anatomy”
“Ultrasound physics”

KIRKHAM, K

- American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
“Ultrasound guided regional anesthesia workshop”
- Canadian Anesthesiologists’ Society, Ottawa, Ontario, June 2015
“President’s Forum – Choosing wisely Canada – how to do better with less”
“Ultrasound guided regional anesthesia – basic upper limb workshop”
- Regional Anesthesia and Pain Medicine, Toronto, Ontario, June 2015
“Ultrasound guided peripheral nerve blockade workshop”
“Inferior sciatic and ankle blocks”
- Ontario’s Anesthesiologists, Toronto, Ontario, September 2014
“Preoperative investigations for low risk and ambulatory surgery”
- Toronto Western Hospital, Toronto, Ontario, January 2015
“Ultrasound for regional anesthesia workshop”

KRUISSELBRINK, R

- Regional Anesthesia and Pain Medicine, Toronto, Ontario, June 2015
“Brachial plexus above the clavicle”
- University of Toronto Introductory Workshop for Ultrasound-Guided Nerve Blocks, Toronto, Ontario,

January 2015
“Ultrasound-guided peripheral nerve blockade”

- Anesthesia Assistants’ Professional Development Day, Toronto General Hospital, Toronto, Ontario, November 2014
“Point of care gastric ultrasound for aspiration risk assessment”

L

LAFHEY, J

- Society of Chinese Bioscientists in America – Annual Toronto Chapter Meeting, Toronto, Ontario, February 2015
“Cell based therapies for ARDS”
- Canadian Critical Care Forum, Toronto, Ontario, October 2014
“ARDS... cell therapies”
“LUNG SAFE study results”
- ARDS and Critical Illness Cell Therapy Symposium (ACCT) 2014, at the Canadian Critical Care Forum, Toronto, Ontario, October 2014
“A clinical trial of MSC therapy for ARDS in Canada: just do it!”
- Severe Acute Respiratory Failure Master-Class, Canadian Critical Care Forum, Toronto, Ontario, October 2014
“How I use rescue therapies in severe ARDS patients”
“Conventional mechanical ventilation for ARDS in 2014”
- Medical Grand Rounds, Galway University Hospitals, Galway, Ireland, October 2014
“Statins for ARDS: where are we now?”
- European Society of Intensive Care Medicine (ESICM) Annual Conference, Barcelona, Spain, September 2014
“LUNG SAFE Study: results from the northern hemisphere”
“Drug induced ARDS”
“Three papers that changed my practice in drug therapy for ARDS”

LAUSSEN, P

- SickKids Paediatric Update: Everyday Ethics in the Healthcare of Children, Toronto, Ontario, April 2015
“Conflict in decision making: how much is due to genuine difference in values?”
- Critical Care Canada Forum 2014, Toronto, Ontario, October 2014
“Inhaled nitric oxide: stewardship for use”
“Two decades of managing myocarditis”
- CCCF / CCCS Residents’ Day, Toronto, Ontario, October 2014
“Predictions from physiologic data”
- CHOC Children’s NeoHeart 2015: Cardiovascular Management of the Neonate, Huntington Beach, California, March 2015
“Critical congenital heart disease: HLHS - before the OR”
“Critical congenital heart disease: HLHS - perioperative issues”
“Optimal post-operative care”
- International Bedside PEWS Day, Toronto, Ontario, February 2015
“Bedside PEWS: decision to implement”
- Cardiology 2015: 18th Annual Update on Pediatric and Congenital Heart Disease - Challenges and Dilemmas, Scottsdale, Arizona, February 2015
“Can we use big data to inform on decisions concerning extubation?”
“Thrombosis in pediatric and congenital cardiovascular disease”
“T3: The Boston/Toronto approach to predictive analytics for physiological data”
- Pediatric Cardiac Intensive Care Society 10th International Conference, Miami, Florida, December 2014
“Teaching in the CICU: bullying

or feedback?”
“Anthony C. Chang Lecture: Learning and evolving”

- American Heart Association Scientific Sessions 2014, Chicago, Illinois, November 2014
“How emerging technologies will impact patient care and your career”
- Risky Business 2014, London, United Kingdom, September 2014
“Signals, noise & risk: personalising big data”
- 50th Annual Meeting of Japanese Society of Pediatric Cardiology and Cardiac Surgery, Okayama, Japan, July 2014
“Recent development of pre- and postoperative neonatal cardiac surgery”
“Management of HLHS”
“Modifiable risk: critical care contributions to outcome”

LEVINE, M

- PGME Office, University of Toronto, Toronto, Ontario, September 2014
“Pearls and pitfalls for new program directors”
- LO, N
- Canadian Hip Fracture Management Conference - Informa, Toronto, Ontario, March 2015
“Analgesia pathways for hip fracture patients: identifying optimal preoperative and postoperative pain relief”

LOFFELMANN, C

- Faculty Development Committee, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2014
“Start up of the LiNC”
- Association of Canadian University Departments of Anesthesia, Undergraduate Committee, Ottawa, Ontario, June 2015
“Medical multiple choice question writing “

M

MANNINEN, P

- University Basel, Basel, Switzerland, October 2014
"Awake craniotomy"
"Monitoring motor evoked potentials in operating room"
- Canadian Anesthesiologists' Society, Ottawa, Ontario, June 2015
"Awake craniotomy: propofol remifentanyl vs dexmedetomidine"
- University of Louisiana, New Orleans, Louisiana, April 2015
"Anesthesia for awake craniotomy"

MARGARIDO, C

- Obstetric Anesthesia Panel, Toronto, Ontario, November 2014
"Toronto Interactive Anesthesia-ask the experts"
- Mount Sinai Hospital 12th Obstetric Anesthesia Conference and Workshop, Toronto, Ontario, September 2014
"Spinal ultrasound – ultrasound workshop"
- McMaster University, Hamilton, Ontario, October 2014
"Second pre-puncture ultrasound of the lumbar spine workshop"
- Toronto Interactive Anesthesia 2014, Toronto, Ontario, November 2014
"Ask the experts – obstetric issues"
"Regional ultrasound workshop"
- Canadian Anesthesiologists' Society Annual Meeting, Ottawa, Ontario, June 2015
"Spinal ultrasound – ultrasound workshop"
- Society for Obstetric Anesthesia and Perinatology 47th Annual Meeting, Colorado Springs, Colorado, May 2015
"Spinal ultrasound and

transversus abdominis plane (TAP) block – ultrasound workshop"

- University of Sao Paulo, São Paulo, São Paulo, Brazil, September 2014
"Praticando Anestesia Obstétrica no exterior: 6 anos de experiencia na Universidade de Toronto"

MARKWELL, H

- International Association of Catholic Bioethicists (IACB) Colloquium, Montreal, Quebec, June 2015
"Stigma, mental illness, and human dignity"
- John Sweeney Lecture in Current Issues in Healthcare, St. Jerome's University, Waterloo, Ontario, May 2015
"Death with dignity: encountering patients as whole persons"
- St. Joseph's Care Group, Thunder Bay, Ontario, May 2015
"Respecting the dignity of the human person"
- Ethics Network Workshop, Saskatoon, Saskatchewan, May 2015
"Values integration and values conflict in the healthcare setting"
- An Introduction to Health Care Ethics Conference, Providence Healthcare, Vancouver, British Columbia, May 2015
"Ethics, priority setting and the goals of medicine: is good enough care good enough?"
- An Introduction to Health Care Ethics Conference, Providence Healthcare, Vancouver, British Columbia, April 2015
"Stigma, mental illness: an ethical perspective"

MARTIN, R

- OB Anesthesia Conference, University of Toronto, Toronto, Ontario, September 2014
"Current controversies in the prevention of postdural puncture headache"

MARSEU, K

- Toronto Interactive Anesthesia Conference, Toronto, Ontario, November 2014
"PBLD session – rigid bronchoscopy for airway obstruction in an adult"
- Making a Mark, Toronto, Ontario, January 2015
"Thoracic anesthesia"
- Society of Cardiovascular Anesthesiologists, Washington, DC, April 2015
"Thoracic anesthesia symposium PBLD session – preoperative optimization to reduce morbidity and mortality"

MATAVA, C

- Perioperative Services Safety Rounds, Hospital for Sick Children, Toronto, Ontario, March 2015
"Communication and teamwork in the OR – putting the checklist aside"
- North York General Hospital Anesthesia, Toronto, Ontario, September 2014
"Parental presence at induction of anesthesia - the good, the bad, the ugly"
- Canadian Conference for Medical Education, Vancouver, British Columbia, April 2015
"Introducing the flipped classroom in the anesthesia clerkship"
- Hamad Medical Cooperation, Doha, Qatar, February 2015
"Competence based training and maintenance of competence in future medical education"

MAYNES, JT

- Department of Pediatric Psychiatry and Genetics, Toronto, Ontario, October 2014
"The potential damaging effects of anesthesia in the autistic population"
- Canadian Anesthesia Society and Association of Pediatric Anaesthesia of Great Britain and Ireland, Montreal, Quebec,

- October 2014
"Effects of anesthetic agents on the unfolded protein response and brainstem respiratory control"
- "Morphine induces dose-dependent epigenetic alterations through modification of the pro-metastatic IDH-R132H protein variant"
- Association of Paediatric Anesthetists of Great Britain and Ireland Annual Meeting, Montreal, Quebec, Canada, October 2014
"Anesthetic effects on the mitochondria"
- Society for Pediatric Anesthesia Annual Meeting, New Orleans, Louisiana, October 2014
"How off-target is your anesthesia? Effects on the mitochondria, autism and cancer metastasis"
- International Conference on Opioids, Boston, Massachusetts, June 2014
"Throw Everything At Morphine, the TEAM approach to opioids in pediatric hospital practice"
- Society for Pediatric Anesthesia Annual Meeting, Fort Lauderdale, Florida, March, 2014
"Anesthetic agents induce protein misfolding and affect carbon dioxide response in the brainstem"

MAZER, CD

- Department of Anesthesia, Queens University, Kingston, Ontario, January 2015
"Issues in perioperative bleeding, transfusion and hemostasis"
"Cardiogenic shock IABP antiplatelet agents"
"Transfusion requirements in cardiac surgery (TRICS-III)"
- Department of Anesthesia, University of Dalhousie, Halifax, Nova Scotia, October 2014
"Issues in perioperative bleeding, transfusion and

hemostasis”

“Perioperative blood management”

- Society for Cardiothoracic Surgery in Great Britain and Ireland and Association of Cardiothoracic Anaesthetists, Manchester, United Kingdom, March 2015
“The BART Study: historical and clinical perspectives”
“Prevention of coagulopathy: update on tranexamic acid and aprotinin therapy”
“Non-red cell treatment and adjuncts (plasma/cryo/PCC)”
- Australian and New Zealand Society of Cardiac and Thoracic Surgeons (ANZSCTS) Meeting, Gold Coast, New Zealand, November 2014
“TRICS III prospective randomized controlled trial of a restrictive or liberal blood transfusion protocol”
- ASA Annual meeting, New Orleans, Louisiana, October 2014
“What are the alternatives to FFP?”
“Update on strategies for blood conservation and hemostasis in cardiac surgery”
“Factor concentrates – what is their place in perioperative bleeding?”
- International Congress on Cardiovascular Anesthesia (ICCA) and European Association of Cardiothoracic Anesthesiologists (EACTA) meeting, Florence, Italy, September 2014
“Haemostasis and major bleeding in cardiac surgery”

MCCLUSKEY, S

- Department of Urology, University Health Network, Toronto, Ontario, June 2015
“Sleep apnea for urology”
- Intensive Care Medicine, University Health Network, Toronto, Ontario, May 2015
“Blood conservation: from the OR to ICU”
- Toronto General Hospital, Department of Anesthesia and Pain Management, Toronto,

Ontario, November 2014

“Kidney transplantation and delayed graft function: a modifiable outcome?”

- Canadian Anesthesiologists Society, Ottawa, Ontario, June 2015
“Lessons learned from kidney transplantation”

MCDONNELL, C

- Perioperative Services Safety Rounds, Hospital for Sick Children, Toronto, Ontario, February 2015
“Communication and teamwork in the OR – putting the checklist aside”
- Department of Anesthesia, Hospital for Sick Children, Toronto, Ontario, January 2015
“M&M review of adverse events in the OR”
- Western Anaesthesia Symposium, Galway, Ireland, April 2015
“Soapbox derby: what gets my goat”
“QI: a pathway to advancement and professionalism in anaesthesia”

MCGHEE, I

- Sunnybrook Health Sciences Centre Inter-professional Education/Care Board, Toronto, Ontario, June 2015
“‘I START-END’ - a communication tool for any setting”
- A Zaretsky, VP Education, Sunnybrook Health Sciences Centre, Toronto, Ontario, October 2014
“Improving AD HOC medical team performance using an innovative ‘I START-END’ communication tool promoting inter-professional communication and collaboration in healthcare to improve patient care”
- Canadian Anesthesia Society, Ottawa, Ontario, June 2015
“Improving ad hoc medical team performance using an innovative ‘I START-END’ communication tool”

MCHARDY, P

- Anesthesia Meeting, Toronto, Ontario, November 2014
“Advanced ultrasound guided regional anesthesia workshop”

MCKNIGHT, D

- Department of Anaesthesia, University of Saskatchewan, Saskatoon, Saskatchewan, January 2015
“Ethics and anaesthesia”
“2015 Dr. F. Barrie Reynolds Memorial Lecture: Anesthesia and the End of Life”
“Physicians and relations with industry: Who is buying? Who is selling?”
- Department of Anaesthesia, Dalhousie University, Halifax, Nova Scotia, January 2015
“Ethics and anaesthesia”
“Anesthesia and the end of life: a patient with a DNR order comes to the OR”

MCRAE, K

- Department of Anesthesia and Pain Medicine Hospital for Sick Children, Departmental Grand Rounds, Toronto, Ontario, September 2014
“Current trends in lung transplantation”
- Fellows Lecture Series, Toronto General Hospital, University Health Network, Toronto, Ontario, September 2014
“Peri-operative considerations for mediastinal surgery”

MEINER, M

- University of Toronto Critical Care Physiology Rounds, Toronto, Ontario, April 2014
“When the heart does not relax: assessing diastolic function by echocardiography”
- North York General Hospital, Toronto, Ontario, December 2014
“Perioperative point of care ultrasound”
- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“Perioperative point of care ultrasound”

- Toronto TEE Symposium Toronto General Hospital Department of Anesthesia, Toronto, Ontario, November 2014
“FOCUS cardiac ultrasound workshop”
- Toronto General Hospital Department of Anesthesia, First Canadian Cardiac Anesthesia Fellows TEE Review, Toronto, Ontario, October 2014
“TEE mock exam”
- Networking World Anesthesia Conference, Vancouver, British Columbia, May 2015
“Is there any way to prevent excessive bleeding?”
“Local anesthesia and sedation is the way to go for TAVI”
- Society for Cardiovascular Anesthesia, Thoracic Anesthesia Meeting, Washington, DC, April 2015
“Lung ultrasound workshop”
- Western Anaesthesia Society, Galway, Ireland, March 2015
“Extended application of ultrasound in anesthesia”
“Basic echocardiography workshop”
- Università di Milano Bicocca, Ospedale san Gerardo di Monza, Monza, Monza e Brianza, Italy, March 2015
“TEE for ECMO”
- Indian Association of Cardiothoracic Anesthetists, Bangalore, Karnataka, India, September 2014
“TEE for HOCM”

MORENO, J

- The CAS 2015 Annual Meeting, Ottawa, Ontario, June 2015
“Best cardiovascular and thoracic cases of the year: lung US for lung lavage”
“Introduction to pulmonary ultrasound”
- 37th SCA Annual Meeting and Workshops/15th ICCVA, Washington, DC, April 2015
“Correlation between trans-hepatic and subcostal IVC views to assess IVC variation. A pilot study”

- Toronto Interactive Anesthesia Symposium, Toronto, Ontario, November 2014
“Airway management workshop”
- Toronto General Hospital, Toronto, Ontario, May 2015
“Hemodynamic calculations and cardiomyopathies for the advanced PTE examination preparation for cardiac anesthesia fellows”
“Focused cardiac ultrasound course”
- University of Toronto, Toronto, Ontario, November 2014
“Undergraduate cardiac ultrasound session”

MORGAN, PJ

- Canadian Anesthesiologists’ Society Annual Meeting, Ottawa, Ontario, June 2015
“Do checklists improve interprofessional team performance?”
- Alternate Funding Plan (AFP) Innovation Fund Celebration Event, Toronto, Ontario, May 2015
“Do checklists improve interprofessional team performance?”

MURPHY, P

- Society of Critical Care Anesthesiologists, Honolulu, Hawaii, March 2015
“Infectious risks to healthcare personnel in the ICU”

N

NG, E

- SIM-One Ontario Simulation Exposition, Toronto, Ontario, December 2014
“Debriefing interprofessional teams”
“How to incorporate patient safety competencies in simulation-based education”
- Royal College of Physicians and Surgeons of Canada, 2014 Simulation Summit, Toronto, Ontario, September 2014
“Promoting intrinsic roles in scenario design”
“Teachers to improve uptake

of the safety competencies into PGME through the use of simulation modalities”

- IPSSW 2015, Vancouver, British Columbia, May 2015
“Teamwork skills for otorlayngology, anesthesiology and nursing: resources, challenges and impact”

NIAZI, A

- Kuwait Cancer Care Center, Kuwait City, Kuwait, November 2014
“Blocks for breast surgery”
“Anesthesia considerations for day case breast surgery”
- Sunnybrook Health Sciences Centre, Department of Anesthesia, Toronto, Ontario, March 2015
“Training in ultrasound guided regional anesthesia: the next level”
- Department of Anesthesia and Pain Management, Toronto Western Hospital, Toronto, Ontario, January 2015
“Basic ultrasound workshop: ultrasound guided brachial plexus blocks, rescue blocks and lumbar spine”

O

O’LEARY, J

- Research in Progress Rounds, Department of Anesthesia and Pain Medicine, The Hospital for Sick Children, Toronto, Ontario, May 2015
“Anesthesia exposure in early life and child development at school-entry: a population-based cohort study”

ORSER, B

- GABA Workshop, CAMH, Toronto, Ontario, July 2015
“GABAA and GABAB receptors: implications for memory function”
- 9th International Conference of Mechanisms of Anesthesia Workshop, Bonn, Germany, June 2015
“Extrasynaptic receptors in anesthetic-induced memory

loss”
“Anesthetic modification of memory”

- Department of Anesthesia, Toronto East General Hospital, Grand Rounds, Toronto, Ontario, June 2015
“Perioperative cognitive deficits: mechanisms and treatment”
 - Brain Science Institute (Korea Institute of Science and Technology), Seoul, South Korea, May 2015
“The role of tonic inhibition in long-term memory deficits”
 - 24th Neuropharmacology Conference, Washington, DC, November 2014
“Long-term memory impairment after exposure to GABAergic drugs”
 - Keynote Address, Ontario Medical Association, Toronto, Ontario, September 2014
“How to effect change: leadership in patient safety”
 - Dinner Speaker, Annual Research Day, Department of Anesthesia, University of Manitoba, Winnipeg, Manitoba, September 2014
“Leadership in medicine: practical steps to disruptive innovation”
 - Grand Rounds, Department of Anesthesia, University of Manitoba, Winnipeg, Manitoba, September 2014
“Long-term consequences of anesthetics”
 - Trainee lecture, Department of Anesthesia, University of Manitoba, Winnipeg, Manitoba, September 2014
“Unraveling the mysteries of anesthetics”
- P**
- #### PARADIS, E
- Canadian Conference on Medical Education, Vancouver, British Columbia, April 2015
“The academic landscape of IPE: much ado about nothing”
“Care and education: two masters of morning interprofessional rounds”
“Rationales for interprofessional collaboration and education in Canadian health policy: a discourse analysis”
 - 20th Annual Institute for Healthcare Improvement Scientific Symposium, Orlando, Florida, December 2014
“Computers in acute care clinical practice: intended and unintended consequences”
 - North American Primary Care research Group Annual Meeting, New York, New York, November 2014
“Whence primary care: the historical emergence of IPE”
 - American Sociological Association Conference, San Francisco, California, August 2014
“The fight to get in: space, place, and the meaning of rounds in the intensive care unit”
“Assumptions meet reality: Canadian social scientists and humanities scholars in the interdisciplinary health research field”
 - San Francisco General Hospital Grand Rounds, San Francisco, California, August 2014
“Space, time, et al.: why interprofessional rounds fail in critical care”
 - CQ Seminars, University of Toronto, Toronto, Ontario, April 2015
“Interdisciplinary promises versus practices in medicine: the decoupled experiences of social sciences and humanities scholars”
 - North York General Hospital Mental Health Program Research Rounds, Toronto, Ontario, January 2015
“Space, time, et al.: why interprofessional rounds fail in critical care”
 - Sunnybrook Research Institute Education Research Rounds, Toronto, Ontario, December 2014

"Space, time, et al.: why interprofessional rounds fail in critical care"

- Division of Child and Adolescent Psychiatry Retreat on Inter-professional Collaboration in Education and Research, University of Toronto, Toronto, Ontario, July 2014
"The fight to keep out: interprofessional boundary work during morning rounds"

PAROTTO, M

- Toronto Interactive Anesthesia 2014, Toronto, Ontario, November 2014
"Difficult airway management"
- Advanced Training Course "Telma 2.0" Careggi Hospital, Florence, Italy, May 2015
"Latest news on laryngeal mask airway" (via videoconference)
- Kuwait City, Kuwait, April 2015
"Ventilator associated pneumonia – mind the VAP"

PENG, P

- Study of Multidisciplinary Pain Research (SIMPAN), Rome, Italy, March 2015
"New ultrasound technique for pain"
- 6th Association of South-East Asia Pain Society Congress, Manila, Philippines, March 2015
"Future of education in ultrasound guided regional anesthesia"
"Treatment strategies for chronic non-cancer pain"
"Ultrasound in pain medicine intervention"
- Qatar International Pain Conference, Doha, Qatar, January 2015
"Teaching of regional anesthesia - are we doing it right"
"Future of pain medicine - use of ultrasound in pain management"
"Ultrasound in pain medicine intervention"

- American Academy of Pain Medicine Ultrasonography, Miami, Florida, January 2015
"Standard and protocols in pain medicine ultrasonography - is it necessary"
"Sacrum and pelvis ultrasound intervention"
- Keynote Speaker, Hong Kong Pain Society, Hong Kong, China, December 2014
"Development of pain medicine as a subspecialty - North American perspective"
- Multidisciplinary Musculoskeletal Ultrasound Symposium on Pain Management, Hong Kong, China, December 2014
"Lectures and workshops on pelvis pain, shoulder pain, hip pain and knee pain"
- American Society of Regional Anesthesia and Pain Medicine, San Francisco, California, November 2014
"Ultrasound guided interventional in musculoskeletal pain"
"Ultrasound for pain medicine and musculoskeletal intervention"
- International Symposium on Spine and Paravertebral Sonography for Anesthesia and Pain Medicine (ISSPS), Hong Kong, China, October 2014
"Ultrasound for pain medicine and musculoskeletal pain"
- American Anesthesiologist Society Annual Meeting, New Orleans, Louisiana, October 2014
"Management of neuropathic pain - use of infusion technique"
"Ultrasound for pain medicine"
- Buenos Aires Pain Foundation, Buenos Aires, Argentina, October 2014
"Algorithm in interventional pain management"
- Keynote Speaker, Biannual International Pain Congress, Eindhoven, the Netherlands, September 2014
"Ultrasound for pain medicine"

- Canadian Pain Society Annual Meeting, Charlottetown, Prince Edward Island, May 2015
"Intervention for chronic pain-infusion technique"
- City Wide Round for Pain Management, Vancouver, British Columbia, March 2015
"Ketamine infusion for neuropathic pain"
- Canadian Neuromodulation Society, Halifax, Nova Scotia, September 2014
"Use of ultrasound in peripheral nerve stimulator"
- Wellness Health Center, Mount Sinai Hospital, Toronto, Ontario, February 2015
"Tai chi and health"

PERLAS, A

- 40th Annual Meeting of the American Society of Regional Anesthesia and Pain Medicine, Las Vegas, Nevada, May 2015
"To TAP or not to TAP: the abdominal surgery dilemma"
"Lumbar plexus and proximal sciatic nerve blocks"
- Anesthesia Winter Symposium, University of Leuven, Department of Anesthesia, Leuven, Belgium, February 2015
"Ultrasound assessment of gastric content and volume"
"Ultrasound assisted central neuraxial anesthesia"
- 4th World Congress of Regional Anesthesia and Pain Therapy, Cape Town, South Africa, November 2014
"Semantics, misnomer or uncertainty. Where is the epineurium on ultrasound?"
"Ultrasound for neuraxial anesthesia"
"Prevention of intraneural injection"
- Mayo Clinic, Department of Anesthesia, Rochester, Minnesota, November 2014
"My patient ate what? Ultrasound assessment of gastric content and volume"
- American Society of Anesthesiology, New Orleans, Louisiana, October 2014

"Should we use more than one local anesthetic additive during peripheral nerve blocks?"

- "Ultrasound assessment of NPO status in the patient with a difficult airway"*
"Ultrasound-guided regional anesthesia: pushing the limits or over the edge?"
- Regional Anesthesia and Pain Medicine - University of Toronto and McMaster University, Toronto, Ontario, June 2015
"Point-of-care gastric ultrasound"

POLLARD, B

- 6th Annual Kuwait Anesthesia and Critical Care Conference, Kuwait City, Kuwait, November 2014
"Establishing an ultrasound-regional anesthesia program in your hospital"
"Integrating continuous catheters into regional anesthesia practice"
"Ultrasound imaging for vascular access and regional anesthesia - why and how?"
"A learner's guide to ultrasound needle tracking and interventional anesthesia skills"
"Ultrasound for regional anesthesia: current outcomes and practice patterns regional anesthesia workshop"
"Regional anesthesia hands-on workshop tutor"

PRONOVOST, PA

- Critical Care Canada Forum (CCCF), Toronto, Ontario, October 2014
"Leadership masterclass case study: making a business case for a local rapid response team"
"Quality and cost in critical care: can quality really be free?"

PRABHU, A

- Canadian Anesthesiologists' Society, Ottawa, Ontario, June 2015

"My ambulatory surgical patient is on dabigatran: an update on new oral anticoagulants"

- Ontario Society Diagnostic and Interventional Nurses (OSDIN), Toronto, Ontario, November 2014
"Capnography outside the operating room"

PRASAD, A

- RAPM, Toronto, Ontario, June 2015
"Ultrasound guided regional anesthesia"

R

RIAZI, S

- European Malignant Hyperthermia Group, Lille, Nord, France, June 2015
"Phenotypic variability in malignant hyperthermia: functional alterations at the cellular level"
- Malignant Hyperthermia Association of US, Chicago, Illinois, September 2014
"Diagnostic testing for malignant hyperthermia"
- Operating Room Nurses' Association of Canada (ORNAC), Edmonton, Alberta, May 2015
"Updates on malignant hyperthermia"

RIGAMONTI, A

- Canadian Anesthesiologists' Society Annual Meeting, Ottawa, Ontario, June 2015
"Conscious sedation for awake craniotomy: dexmedetomidine vs propofol"
- Department of Anesthesiology and Critical Care, Sapienza University of Rome, Rome, Italy, November 2014
"Pain management after craniotomy"

RINGSTED, C

- Faculty Development Day, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2014
"Competence and assessment in anesthesia"

"Designing an in-training assessment program in anesthesia"

- Sunnybrook Health Science Centre, 3rd Annual Sunnybrook Education Conference: Technology-Enhanced Learning, Toronto, Ontario, October 2014
"Medical education and patient safety - the role of simulation"

- Annual Meeting, Danish Association of Medical Education, Copenhagen, Denmark, November 2014
"Research and development in medical education - where are we heading?"

- Masterclass, Danish Association of Medical Education, Copenhagen, Denmark, November 2014
"Learning environment - experience from Canada"
- Simulation Summit, Royal College of Physicians and Surgeons of Canada (RCPS) in partnership with the Sunnybrook Canadian Simulation Centre (SCSC), Toronto, Ontario, September 2014
"Pearls and pitfalls in interpreting current simulation literature"

- Association for Medical Education in Europe (AMEE), Milan, Italy, September 2014
"From patient to instructor: honoring patient engagement in medical education"
"Doctoral programs in the medical/health professions education: who, what, where, and why?"

- University of Bergen, Faculty of Medicine and Dentistry, Bergen, Norway, November 2014
"How can we facilitate the students' learning by our teaching and assessment formats?"

- International Conference on Residency Education (ICRE), Toronto, Ontario, October 2014
"Designing an assessment

program including entrustable professional activities and milestones"

- Association for Medical Education in Europe (AMEE), Milan, Italy, August 2014
"Research in medical education: how can we research the outcomes of innovations in medical education?"

ROBERTS, L

- Toronto Interactive Anesthesia Meeting, Department of Anesthesia, Toronto, Ontario, November 2014
"Pain management for the methadone patient"

RUCKER, J

- Fellows Rounds, Joint Department of Medical Imaging, University Health Network, Mount Sinai Hospital and Women's College Hospital, Toronto, Ontario, January 2015
"Discussion of pain management for interventional radiology procedures"

S

SARMAH, A

- Department of Anesthesia Faculty Development Day, Toronto, Ontario, November 2014
"Upping the ante: Introduction of innovative educational tools to undergraduate medical students"
- Canadian Conference on Medical Education, Vancouver, British Columbia, April 2015
"We flipped a clerkship!: lessons learnt, considerations, challenges, and insights"
"Raising the stakes: introduction of innovative educational tools to undergraduate medical students"
- Association for Medical Education AMEE, Milan, Milan, Italy, September 2014
"Upping the ante: introduction

of innovative educational tools to undergraduate medical students"

SIDDIQUI, N

- CAS Annual Meeting, Ottawa, Ontario, June 2015
"Introduction to gastric ultrasound workshop"
- SOAP, Colorado Springs, Colorado, May 2015
"The use of ultrasound for obstetric anesthesia in 2015"
"The use of ultrasound for obstetric anesthesia - ultrasound guided central venous cannulation"
- Department of Anesthesia Rounds, Kuwait Cancer Care Centre, Al Jahrah, Kuwait, February 2015
"Ultrasound assisted epidurals"
- Hospital Wide Grand Rounds, Al Jahrah, Kuwait, February 2015
"Perioperative fluid management and update"

SILVERMAN, G

- Toronto Interactive Anesthesia Symposium, Toronto, Ontario, November 2014
"Management of a complicated parturient on therapeutic anticoagulation"
- SINGH, M
- Grand Rounds, Toronto Western Hospital, Toronto, Ontario, October 2014
"Polysomnography (PSG) 101: how a sleep study can be informative for the anesthesiologist"

SLINGER, P

- Toronto East General Hospital, Toronto, Ontario, April 2015
"Anterior mediastinal masses and other lower airway problems"
- Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
"Rigid bronchoscopy for a foreign body in an adult"
- Canadian Anesthesiologists Society Annual Meeting, Ottawa, Ontario, June 2015
"Advances in lung isolation for

- thoracic surgery*
“Lessons from transplantation: lung injury”
- Annual Toronto Perioperative TEE Symposium, Toronto, Ontario, November 2014
“Lung ultrasound”
 - European Association of Cardiothoracic Anesthesiologists, Gothenburg, Sweden, June 2015
“Can acute lung injury in thoracic surgery be prevented or treated?”
 - European Society of Anaesthesiologists, Berlin, Germany, May 2015
“Update in thoracic anesthesia”
“Debate: the double-lumen tube is the standard for lung isolation (con)”
“New lung isolation techniques”
“Trouble-shooting hypoxemia during one-lung ventilation”
 - Dannemiller Review Course in Anesthesia, San Antonio, Texas, April 2015
“Preoperative assessment for pulmonary resection”
“Mediastinal masses and lower airway problems”
“Lung isolation and one lung ventilation”
“Lung ultrasound and vascular access”
 - Colorado Review of Anesthesia for Surgicenters and Hospitals, Vail, Colorado, March 2015
“Anesthesia for the patient with severe lung disease”
“Update in lung isolation and one-lung ventilation”
“Anesthesia for patients with anterior mediastinal masses and other lower airway disorders”
 - Department of Anesthesia, Mayo Clinic, Jacksonville, Florida, February 2015
“Anesthesia for the patient with severe lung disease”
“Advances in lung isolation for thoracic surgery”
 - Maui Anesthesia Seminar, Maui, Hawaii, February 2015
“Anesthesia for the patient with severe lung disease”
“Lung protective ventilation strategies in anesthesia”
- “Update in lung isolation and one-lung ventilation”*
“Anesthesia for patients with anterior mediastinal masses and other lower airway disorders”
- New York State Society of Anesthesiologists, Post Graduate Assembly, New York, New York, December 2014
“Perioperative lung protection”
“Preoperative assessment for pulmonary resection”
 - Oman Anesthesia and Critical Care Conference, Muscat, Oman, November 2014
“One-lung ventilation”
“Advances in lung isolation for thoracic anesthesia”
“Preoperative assessment for pulmonary resection”
 - American Society of Anesthesiologists Annual Meeting, New Orleans, Louisiana, October 2014
“Perioperative lung protection strategies in one-lung and two-lung ventilation”
“Risk stratification for pulmonary complications in cardiac surgery”
“Update on double-lumen tubes”
 - International Congress of Cardiovascular Anesthesia, Florence, Italy, September 2014
“Prevention and management of lung injury in thoracic surgery”
“Bronchial blockers”
“Postoperative analgesia in thoracic surgery”
 - Johannesburg Perioperative Cardiothoracic Congress, Johannesburg, South Africa, July 2014
“TEE in thoracic anesthesia”
“Lung isolation in a patient with a difficult airway”
“Anterior mediastinal mass and other lower airway problems”
-
- SONEJI, N**
- OMA, Toronto, Ontario, September 2014
“FOCUS ultrasound views workshop”
 - Toronto Peri-Operative Echocardiography Symposium, Toronto, Ontario, November 2014
“FOCUS ultrasound views workshop”
“Valvular evaluation in patients going for VAD procedures”
-
- American Society of Regional Anesthesia (ASRA), Chicago, Illinois, June 2015
“Ultrasound for MSK ultrasound - diagnostic and interventional techniques”
 - University Health Network, Toronto and Canadian Pain Society- Interventional Special Interest Group, Toronto, Ontario, March 2015
“MSK ultrasound: ultrasound for pain medicine course”
 - American Society of Regional Anesthesia (ASRA), San Francisco, California, November 2014
“Ultrasound for shoulder - diagnostic and interventional techniques”
 - American Society of Anesthesiologists (ASA), New Orleans, Louisiana, October 2014
“Ultrasound for shoulder - diagnostic and interventional techniques”
 - 4th Biannual International Multidisciplinary Pain Congress, the Netherlands Antilles, September 2014
“Ultrasound guided interventions for pain management”
 - SPADAFORA, S
 - Canadian Conference on Medical Education 2015, Vancouver, British Columbia, April 2015
“A case study of collaboration, systems change, and accountability for clinical education”
“Remediation of residents in need: supporting faculty using a team approach to the identification and diagnosis of and interventions for residents in need”
-
- SONEJI, N**
- Toronto Peri-Operative Echocardiography Symposium, Toronto, Ontario, November 2014
“eLearning orientation modules at the University of Toronto: streamlining the hospital registration process”
 - The International Conference on Residency Education, Toronto, Ontario, October 2014
“CAPER: data and discussion on the hot topics in PGME”
“Tracking learner activity at the University of Toronto: a case study of collaboration; systems change and accountability for clinical education”
“CQI in PGME: U of T showcase”
“Development of mobile evaluations to enhance the learner experience”
“Item analysis and revision of an instrument to assess the competencies of residency program directors in a multi-source feedback”
“Development of a mobile compatible procedure logging system to enhance the learner experience”
-
- SREBRNJAK, M**
- Combined Anesthesia and Obstetrics Grand Rounds, Rouge Valley – Scarborough Centenary Site, Scarborough, Ontario, May 2015
“Maternal mortality, postpartum hemorrhage: a Canadian reality”
 - Anesthesia Grand Rounds, Trillium Health Partners, Mississauga, Ontario, May 2015
“Managing the parturient with a platelet count of 80,000”
-
- TAMIR, D**
- Toronto Interactive Anesthesia 2014, Toronto, Ontario, June 2014
“Perioperative management of acute pulmonary edema in a pregnant patient”

TARSHIS, J

- University of Toronto Transfusion Camp, Toronto, Ontario, June 201
"Navigating authority gradients"
- University of Toronto Medical Education Seminar, Toronto, Ontario, April 2015
"Physician performance assessment"
- Canadian Society of Dental Anesthesia Annual Spring Meeting, Toronto, Ontario, April 2015
"Am I competent?"
"Perioperative blood pressure management"
"Challenging cases in acute pain management"
- Controversies in Perioperative Medicine Conference 2015, Saint-Rémy-de-Provence, Bouches-du-Rhône, France, May 2015
"Am I competent?"
"Is simulation for surgery and anaesthesia effective?"

TAYLOR, K

- Canadian Anesthesiologists Society International Education Fund (CASIEF), Halifax, Nova Scotia, May 2015
"Drawover anesthesia"
"IV anesthetics"

V

VEGAS, A

- Toronto General Hospital, 12th TEE Symposium, Toronto, Ontario, November 2014
"Case discussion aortic root pathology"
"Aortic root surgery"
- 1st Annual Canadian Cardiac Anesthesia Fellows TEE Board Review, Toronto, Ontario, October 2014
"Artifacts"
- WINFOCUS Workshop, Toronto, Ontario, April 2015
"Assessment of valves"
- International Congress of Cardiothoracic and Vascular Anesthesia (ICVA), Washington, DC, April 2015
"RV failure during LVAD

placement: mechanisms and management"

"Now what? Common problems that arise in ECMO and how to fix them"

- Echo Week 18th Annual Comprehensive Review and Update of Perioperative Echocardiography Society of Cardiovascular Anesthesia, Atlanta, Georgia, March 2015
"Aortic valve 3D imaging"
"Mitral regurgitation"
- International Congress of Cardiothoracic and Vascular Anesthesia (ICVA), Florence, Italy, September 2014
"Perioperative management of heart transplantation"

VENKATRAGHAVAN, L

- Minimally Invasive Neurosurgery Workshop, John Wayne Cancer Institute, Santa Monica, California, January 2015
"Anesthesia for awake craniotomy"
- Toronto Interactive Anesthesia 2014, Continuing Medical Education Committee, Department of Anesthesia, University of Toronto, Toronto, Ontario, November 2014
"Perioperative management of Parkinson's disease and implanted neurostimulators"
- Professor's Rounds, University of Toronto Anesthesia Fellow Educational Rounds, Toronto, Ontario, November 2014
"Functional neuroimaging in anesthesia, pain and intensive care"

W

WAŚOWICZ, M

- Department of Surgery, Toronto General Hospital, Toronto, Ontario, June 2015
"Pharmacokinetics of rocuronium bromide and midazolam in patients undergoing liver transplantation"
- Department of Anesthesia and Pain Management, Toronto General Hospital, Hospital

based rounds, Toronto, Ontario, January 2015
"Perioperative management for patients undergoing noncardiac surgery after previous percutaneous coronary intervention with stent(s) implantation"

- Department of Anesthesia and Pain Management, Toronto General Hospital, Fellows' Rounds, Toronto, Ontario, January 2015
"Heparin induced thrombocytopenia as a problem in anesthesia and critical care continuous education"
- Medical College of Copernicus University, Cedzyna, Swietokrzyskie, Poland, May 2015
"Heparin induced thrombocytopenia as a problem of anesthesia and critical care medicine"
- European Society of Anesthesiology-European Center for Education in Anaesthesiology, Regional Center in Krakow, Krakow, Malopolskie, Poland, April 2015
"Anesthesia and vascular surgery"
"Cardiologist versus anaesthesiologist: their cooperation during perioperative period"
"Anesthesia for patient with heart disease undergoing non-cardiac surgery"
"Biomarkers in perioperative management of patients undergoing non-cardiac surgery"
"Interventions aiming at reduction of cardiac complications in patients with heart disease undergoing non-cardiac surgery"
- European Committee for Education in Anesthesia, Krakow, Malopolskie, Poland, December 2014
"Neurological examination in unconscious patient being treated in the ICU"
- Toronto Interactive Anesthesia Symposium, Toronto, Ontario, November 2014
"PBL on malignant hyperthermia"
- Society of Critical Care Medicine, Phoenix, Arizona, January 2015
"Efficacy of simple scavenging system applied for safety of ICU volatile anesthetics based long-term sedation"
- Polish Society of Vascular Surgery, VII International Conference, Poznan, Wielkopolskie, Poland, May 2015
"Anesthesiology and vascular surgery: current problems in perioperative management"
- Polish Society of Anesthesiology and Intensive Therapy, Roztoczanski Branch, Kielce, Swietokrzyskie, Poland, May 2015
"Breathing with high FiO2 without intubating the patient"
- Adam Mickiewicz University, Jagellonian University and Wilnius University, Poznan, Malopolskie, Poland, November 2014
"Artificial ventilation without intubation or breathing without intubation"
- American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
"Workshop on fiberoptic intubation"
- Polish Society of Anaesthesiology and Intensive Therapy, 18th International Congress, Wisla, Poland, September 2014
"Heparin induced thrombocytopenia-what alternative anticoagulants are available"
"Preventing thrombosis in perioperative medicine"
"Respiratory Complications in the postoperative period-epidemiology and management"
- Polish Society of Anaesthesiology and Critical Care, Wisla, Poland,

September 2014
"Heparin induced thrombocytopenia"

WASSERMANN, J

- Toronto Anesthesia Symposium 2015, Toronto, Ontario, April 2015
"Airway management in the multiple trauma patient"
"PBLD: difficult airway in a drunk man with suspected neck injury"

WIJEYSUNDERA, D

- Cardiology Academic Rounds, Division of Cardiology, University Health Network, Toronto, Ontario, May 2015
"Selected issues in the 2014 ACC/AHA guideline on perioperative cardiovascular evaluation and management of patients undergoing noncardiac surgery"
- Whistler Anesthesiology Summit 2015, Whistler, British Columbia, March 2015
"To test or not to test: a case-based expert panel for cardiac patients scheduled for non-cardiac surgery"
"The art and science of preoperative cardiac testing for non-cardiac surgery: which test in which patient?"
"The aftermath of mega-trials and controversies: the role of perioperative aspirin and beta-blockade in non-cardiac surgery"
- Monash University, Prato, Italy, June 2015
"Update on the METS prospective cohort study"
"Bleeding that matters: defining major hemorrhage and transfusion in preoperative trials"
- Monash University, Melbourne, Victoria, Australia, June 2015
"Evaluating the role of perioperative beta-blockers and aspirin in the aftermath of mega-trials and scientific controversies"
- Mayo Clinic, Rochester, Minnesota, May 2015
"Evaluating the role of perioperative beta-blockers

and aspirin in the aftermath of mega-trials and scientific controversies"

WONG, DT

- NWAC World Anesthesia Convention, Vancouver, British Columbia, May 2015
"What's new in airway management?"
"Advanced airway workshop: ultrasonography of the airway"
- American Society of Anesthesiologists, New Orleans, Louisiana, October 2014
"Basic/advanced flexible fiberoptic intubation workshop"
"Flexible bronchoscopic intubation"
- SAMBA, New Orleans, Louisiana, October 2014
"What's new in supraglottic airways?"
- 2nd International Airway Symposium, Santiago, Chile, September 2014
"Difficult airway cases outside the operating room"
"Intubation via supraglottic airways"
"Airway management and oxygenation in the morbidly obese patient"
"Supraglottic airways: where are we now?"
"Recent advances in intubation via supraglottic airways"
"Cannot intubate cannot ventilate: are you ready for surgical airway?"
- Annual Society for Airway Management Meeting, Seattle, Washington, September 2014
"Neck circumference as a predictor of difficult mask ventilation and difficult intubation in morbidly obese patients"
- Critical Care Canada Forum, Toronto, Ontario, October 2014
"ICU airway management workshop"
- Toronto Anesthesia Symposium, Toronto, Ontario, April 2015
"Supraglottic airways - what's

new and innovative uses?"
"Cannot intubate - cannot ventilate - Help!"

WUNSCH, H

- Critical Care Canada Forum, Toronto, Ontario, October 2014
"Misled...by occupancy data"
"Sepsis: why all the variation in outcomes?"
"When to think about palliation"
- Grand Rounds, Department of Anesthesiology, UCSF, San Francisco, California, June 2015
"Triaging patients for the ICU"
- Research Seminar, Department of Anesthesiology, UCSF, San Francisco, California, June 2015
"Assessing long-term outcomes after critical illness"
- American Thoracic Society, Annual Meeting Symposium, Denver, Colorado, May 2015
"Avoiding post-intensive care syndrome"
- International Society of Intensive Care & Emergency Medicine, Annual Meeting, Brussels, Belgium, March 2015
"Psychiatric disease after critical illness"
"Barriers to de-adoption of what we like"
"Who needs palliative care in the ICU?"
"Detecting variation in care"
"Pros and cons of separate stepdown beds"
"Triaging high-risk surgical patients"
- Society of Critical Care Medicine Annual Meeting, Phoenix, Arizona, January 2015
"ICU occupancy rates and beds per 100,000: are these relevant parameters?"
- European Society of Intensive Care Medicine, Barcelona, Spain, October 2014
"Guidelines on analgesia, sedation and delirium monitoring"

"Incidence and pathophysiology of acute and chronic cognitive dysfunction"

- Grand Rounds, Department of Anesthesiology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, September 2014
"Triaging patients for the ICU"

Y

YEE, D

- Controversies in Perioperative Medicine 2015, Saint-Rémy-de-Provence, Bouches-du-Rhône, France, May 2015
"What's new in trauma care"
- International Conference on Residency Education (ICRE), Toronto, Ontario, October 2014
"Integrating IMGs into the Canadian post-graduate medical system workshop given to residency program administrators"

YOU-TEN, K

- Toronto Anesthesia Symposium, Toronto, Ontario, April 2015
"Airway nightmare in remote location"
"Supraglottic devices and surgical airways"
- Society of Airway Management Meeting 2014, Seattle, Washington, September 2014
"Role of preoperative bedside ultrasound of the cricothyroid membrane in labouring obese and non-obese parturients"
- Critical Care of Canada, Toronto, Ontario, October 2014
"Surgical airway workshop"

Research Funding

Peer-Reviewed Grants

A

ABDALLAH, F

2015-2016

Ontario Medical Association (OMA) and the Ministry of Health and Long-Term Care (MOHLTC), The Alternative Funding Plan (AFP) Innovation Fund

Title: The novel combination of suprascapular and axillary nerve blocks versus conventional interscalene brachial plexus block for pain relief following shoulder surgery: A multi-centre randomized, patient and assessor blinded, non-inferiority trial

Amount: \$7,680

Principal Investigator: F Abdallah

2015-2017

Ontario Ministry of Health and Long-Term Care, Alternative Funding Plan Innovation Fund

Title: The PASS Trial (Pain-relief Alternatives for Shoulder Surgery): The novel combination of suprascapular and axillary nerve block vs conventional interscalene brachial plexus block for pain-relief after shoulder surgery: A multi-centre randomized trial

Amount: \$122,000

Principal Investigator: V Chan
Collaborators: D Wijeyesundera, J Laffey, F Abdallah

ALAM, A

2015-2016

Sunnybrook Education Research Unit (ERU) Education Research and Scholarship Grant, Sunnybrook Education Advisory Council (SEAC)

Title: Obstetrical transfusion medicine knowledge assessment using a validated assessment tool

Amount: \$5,836

Principal Investigator: L Yulia
Collaborators: S Morris, J Callum, A Alam, M Yudin

ALAM, F

2015-2017

The Society for Academic Continuing Medical Education, The Phil R. Manning Award

Title: Impact of acute care physician's age on crisis resource management performance and learning after simulation-based education

Amount: \$41,948

Principal Investigator: F Alam
Collaborators: V LeBlanc, S Boet

ANGLE, P

2012-2015

The Langar Foundation

Title: Multi-phase study examining intracranial blood flow diagnosis of PDPH using transcranial Doppler blood flow velocity

Amount: \$60,000

Principle Investigator: P Angle
Co-Investigator: A van Den Bruel

2013-2017

Canadian Institutes of Health and Research (CIHR) Operating Grant

Title: A trial of labour or repeat cesarean section? A mixed methods study examining women's preferences and providers' counsel

Amount: \$330,000

Principal Investigator: C Kurtz
Landy

Collaborators: W Sword, P Angle, A Biringier, S Boblin, C Cunningham, M Heaman, H McDonald, S McDonald, M Morris, V Senikas, H Shannon

2014-2016

Ministry of Health and Long Term Care, Alternative Funding Plan Innovation Fund for Academic Health Science Centres

Title: Validation of the labour pain questionnaire, the first multidimensional psychometric

instrument developed specifically for measurement of pain in laboring women

Amount: \$60,246

Principal Investigator: P Angle
Collaborators: J Barrett, C Kurtz
Landy, A Kibbe, A Kiss

ARZOLA, C

2013-2014

Garron Family Cancer Centre

Title: A feasibility pilot study of ultrasound - guidance for difficult lumbar punctures in children with cancer

Amount: \$49,910

Principal Investigator: L Sung
Collaborators: C Arzola, F Shaikh, S Alexander, JA Carvalho, T To

2013-2015

Ontario Academic Health Science Centres Academic Medical Organization Alternative Funding Plan Innovation Fund

Title: Ultrasound assessment of the gastric content and volume in pregnant population

Amount: \$99,600

Principal Investigator: C Arzola
Collaborators: A Perlas, JCA Carvalho

AWAD, I

2014-2015

Special Education Advisory Committee Education Research and Scholarship Grant

Title: Implementation of www.eLearnMD.com as a learning management system for the anesthesia residency training program and evaluation of its effectiveness as a teaching tool

Amount: \$4,800

Principal Investigator: I Awad

B

BAKER, AJ

2014-2015

Brain Aneurysm Foundation

Title: Safety, blood brain barrier permeability and potential efficacy of Etanercept for aneurysmal subarachnoid hemorrhage

Amount: \$25,000

Principal Investigator: AJ Baker
Collaborators: M Santos, M Tso, S-B Bolz, J Ai

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

Amount: \$250,000

Principal Investigator: AJ Baker

2012-2015

National Defence Research and Development Canada

Title: Clinical evaluation of blood biomarkers for discrimination of posttraumatic stress disorder and traumatic brain injury comorbidity

Amount: \$255,000

Principal Investigator: AJ Baker

2013-2014

Canadian Institutes of Health Research

Title: Resuscitation in Motion 2014: Building networks of excellence to advance resuscitation science research, development and practice

Amount: \$24,600

Principal Investigator: L Morrison
Collaborators: AJ Baker, KN Dainty, OD Rotstein

BALKI M**2013-2015****Canadian Anesthesiologists' Society**

Title: Optimizing contractility in human myometrium: In-vitro and in-vivo approaches to improve pharmacological treatment options for postpartum hemorrhage

Amount: \$60,000

Principal Investigator: M Balki

2013-2015**Ontario Academic Health Science Centres Alternative Funding Plan Innovation Fund**

Title: High-fidelity simulation to assess interprofessional teamwork in obstetric crisis management

Amount: \$124,437

Principal Investigator: M Balki

Collaborators: ME Cooke, R Windrim

BHATIA, A**2015-2017****University Health Network - Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan Innovation Grant**

Title: Functional magnetic resonance imaging to predict and correlate clinical outcomes of ketamine infusions for refractory neuropathic pain: The MRI-KETNeP study

Amount: \$173,000

Principal Investigator: A Bhatia

Collaborators: K Davis, L Venkatraghavan, P Peng

2015**Women's College Hospital, Academic Medical Organization Alternative Funding Plan Innovation Grant**

Title: Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project

Amount: \$29,905

Principal Investigator: J Wong

Collaborators: F Chung, C Ryan, D Juurlink, A Bhatia, S Hyland, M Mamdani, K Thorpe

BEATTIE, WS**2013-2016****Heart and Stroke Foundation of Ontario – Grant in Aid**

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: \$200,000

Principal Investigator:

D Wijesundera

Collaborators: B Cuthbertson (Co-PI), D Mazer, WS Beattie, R Brull, C McCartney, K Thorpe, P Oh, J Granton, M Mamdani, H Wijesundera (Co-Applicants), V Chan, A Smith, R Pearse, B Croal, P Myles

2013-2016**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

Amount: \$800,000

Principal Investigator: D

Wijesundera

Collaborators: B Cuthbertson (Co-PI), D Mazer, WS Beattie, R Brull, C McCartney, K Thorpe, P Oh, J Granton, M Mamdani, H Wijesundera (Co-Applicants), V Chan, A Smith, R Pearse, B Croal, P Myles

2013-2016**University Health Network – Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan 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: \$200,000

Principal Investigator: D

Wijesundera

Collaborators: B Cuthbertson (Co-PI), D Mazer, WS Beattie, R Brull, C McCartney, K Thorpe, P Oh, J Granton, M Mamdani, H Wijesundera (Co-Applicants), V Chan, A Smith, R Pearse, B Croal, P Myles

2012-2016**Physicians Services Incorporated Foundation**

Title: Calsequestrin-1, a candidate gene for the diagnosis of malignant hyperthermia: Study of molecular genetics of malignant hyperthermia

Amount: \$22,000

Principal Investigator: S Riazi

Collaborators: WS Beattie, D MacLennan

2013-2015**Heart and Stroke Foundation of Canada**

Title: Plasma concentrations and pharmacokinetics in patients with renal impairment undergoing cardiopulmonary bypass surgery

Amount: \$90,658

Principal Investigator: A Jerath

Collaborators: M Wasowicz, D Wijesundera, WS Beattie, T Yau, J Pawliszyn

2013-2015**University Health Network – Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan Innovation Fund**

Title: The METS (Measurement of Exercise Tolerance Before Surgery) study: A multicentre prospective cohort: study of cardiopulmonary exercise testing for improving preoperative risk stratification for major non-cardiac surgery

Amount: \$190,397

Principal Investigator:

D Wijesundera

Collaborators: B Cuthbertson, J Granton, P Oh, WS Beattie, R Brull, C McCartney, D Mazer, H Wijesundera, A Smith, R Pearse, P Myles

BRULL, R**2015-2016****Women's College Hospital, Academic Medical Organization Alternative Funding Plan Innovation Fund**

Title: The elimination of standardized PREoperative testing for same-day surgery: The ESPRESS study

Amount: \$30,000

Principal Investigator: K Kirkham

Collaborators: M Mamdani, G Lebovic, D Wijesundera, F Chung, W Isaranuwachai, J Hoch, P Tenenbein

2015-2016**Physicians Services Incorporated Foundation**

Title: Comparison of the effects of perineural versus systemic dexamethasone on low dose interscalene brachial plexus block: A randomized trial

Amount: \$86,000

Principal Investigators: R Brull,

P McHardy, S Choi

Collaborator: C McCartney

2013-2016**Heart and Stroke Foundation of Ontario, Innovation Fund**

Title: The METS (Measurement of Exercise Tolerance Before Surgery) study: A multicentre prospective cohort: study of cardiopulmonary exercise testing for improving preoperative risk stratification for major non-cardiac surgery

Amount: \$144,000

Principal Investigator: D

Wijesundera

Collaborators: B Cuthbertson, J Granton, P Oh, WS Beattie, R Brull, C McCartney, D Mazer, H Wijesundera, A Smith, R Pearse, P Myles

2011-2014**Physicians Services Incorporated Foundation**

Title: Can ultrasound detect diabetic peripheral neuropathy?

Amount: \$19,000

Principal Investigator: R Brull

Collaborators: S Riazi, VWS Chan, V Bril, JT Lau

C

CAMPBELL, F

2013-2017

Canadian Institutes of Health Research

Title: iCanCope with Pain: An integrated smartphone and web self-management program for adolescents and young adults with chronic pain

Amount: \$383,884

Principal Investigator: J Stinson

Collaborators: B Dick, N Buckley, F Campbell, J Chorney, J Clark, J Forgeron, A Gordon, C Laloo, M McGillion, T Palermo, S Rashiq, D Ruskin, M Simmonds, S Tupper, L Montgomery, A Spencer, J Desparmet, M Ware, C Lamontgne, T DiRenna, T Oberlander, L Jibb, C Victor

2015-2016

Canadian Institutes of Health Research, Human Development, Child and Youth Health

Title: Towards a wireless post-operative pain diary support system for children and youth: A consensus conference

Amount: \$25,000

Principal Investigator: J Stinson

Collaborators: F Campbell, C Matava, C Laloo

2014-2015

Focused Ultrasound Foundation – Clinical Indication Track

Title: Magnetic resonance guided focused ultrasound for noninvasive pain therapy of osteoid osteoma in children – a pilot study

Amount: \$100,000

Principal Investigator: M Temple

Collaborators: J Amaral, A Waspe, J de Riuter, F Campbell, J Drake

2014-2015

Perioperative Services Innovation Fund Hospital for Sick Children

Title: “My Post-Op Pain”: User-centred design of a smartphone-based app to improve self-management of acute post-op pain

Amount: \$9,897

Principal Investigator: F Campbell

Collaborators: J Stinson, M Crawford, A Kaushal, C Laloo, C Matava, U Narayanan, G Petroz, A Riggs, D Stocki

2011-2015

Canadian Institutes of Health Research, Operating Grant

Title: Sustainability of a multidimensional knowledge translation initiative for procedural pain in children

Amount: \$822,401

Principal Investigator: BJ Stevens

Collaborators: M Barwick, F Campbell, C Chambers, J Cohen, G Cummings, CA Estabrooks, GA Finlay, D Harrison, L Holsti, M Latimer, S Lee, S Le May, P McGrath, J Rashotte, C Rosmus, D Sawatsky-Dickson, S Scott, S Sidani, J Stinson, J Squires, A Taddio, F Warnock, A Willan, J Yamada

2010-2015

Eunice Kennedy Shriver Center

Title: An internet cognitive behavioural therapy intervention for pediatric chronic pain and disability

Amount: \$3,039,782

Principal Investigator: T Palermo

Collaborators: J Stinson, F Campbell

2010-2015

Canadian Institutes of Health Research, Discovery Advancement Program

Title: The transition from acute postsurgical pain to chronic pain: the role of pain anxiety and parental influences in paediatric pain

Amount: \$306,531

Principal Investigator: J Katz

Collaborators: F Campbell, L Isaac, A Martin, G Page, J Stinson

CARVALHO, J

2014-2018

Canadian Institutes of Health Research

Title: Blockade of acE and treatment with empagliflozin - effects on hyperfiltration in type 1 diabetes: The BETWEEN-T1D study

Amount: \$651,520

Principal Investigator: D Cherney

Collaborators: A Advani, J Carvalho, B Perkins

2013-2015

Ontario Medical Association and the Ministry of Health and Long-term Care, Innovation Fund

Title: Ultrasound assessment of the gastric content and volume in the pregnant population

Amount: \$99,600

Principal Investigators: C Arzola

Collaborators: A Perlas, J Carvalho

2013-2014

Garron Family Cancer Center, 2012 Small Grant Competition

Title: A feasibility study of ultrasound guidance for difficult lumbar punctures in children with cancer

Amount: \$49,922

Principal Investigator: L Sung

Collaborators: F Shaikh, S Alexander, C Arzola, J Carvalho, T To

CHAN, VWS

2015-2017

University Health Network – Mount Sinai Hospital Academic Medical Organization Innovation Fund

Title: Pain-relief Alternatives for Shoulder Surgery (PASS trial): The novel combination of suprascapular and axillary nerve blocks versus conventional interscalene brachial plexus block for pain relief following shoulder surgery

Amount: \$122,312

Principal Investigator: VWS Chan

CHANDRA, D

2015-2017

St. Michael's Hospital, Alternative Funding Plan Innovation Fund

Title: Optimizing End-tidal CO₂ (ETCO₂) use for in-hospital cardiac arrests using a novel interprofessional simulation training program and increased ETCO₂ availability

Amount: \$50,090

Principal Investigator: D Chandra

CHOI, S

2015-2017

Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund

Title: Prevention of delirium in elderly with obstructive sleep apnea – a randomized trial

Amount: \$87,602

Principal Investigator: J Wong

Collaborators: Tandon, A Wong, J Chung, F Siddiqui, N Bradley, Douglas

2015-2016

Physicians Services Incorporated Foundation, Health Services Research Grant

Title: Comparison of the effects of perineural versus systemic dexamethasone on low dose interscalene brachial plexus block: A randomized trial

Amount: \$86,417

Principal Investigator: S Choi

Collaborators: P McHardy, K Kirkham, C McCartney, R Brull

2014-2016

Holland Musculoskeletal Research Committee New Investigator Award

Title: N/A

Amount: \$30,000

Principal Investigator: S Choi

2014-2016

Hamilton Health Sciences Centre, Alternative Funding Plan

Title: Pregabalin and lidocaine in breast surgery to alter neuropathic pain (PLAN)

Amount: \$130,434

Principal Investigator: PJ

Deveraux

Co-Investigator: S Choi

CHUNG, F**2015-2017****Academic Medical Organization Innovation Fund****Title:** Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project**Amount:** \$175,498**Principal 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**Collaborators:** D Bradley, F Chung, D Juurlink, M Mamdani, I Narang, B Orser, R Stremler**2013-2015****Academic Medical Organization Innovation Fund****Title:** Development and implementation of a perioperative smoking cessation program with computer-based patient education**Amount:** \$200,000**Principal Investigator:** G Djajani**Collaborator:** F Chung**2013-2015****Council of Academic Hospitals of Ontario****Title:** Enhanced recovery after surgery: Colorectal surgery**Amount:** \$1,300,000**Principal Investigator:** R McLeod**Collaborators:** S McCluskey, F Chung, A Okrainec, MA Aarts, N Siddiqui, L Gotlib Conn, M McKenzie**2012-2014****Singapore Innovation Grant****Title:** Use of Profox and Pulsox**Amount:** \$99,100**Principal Investigator:** E Seet**Collaborator:** F Chung

CLARKE, H**2015-2017****University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund****Title:** Hyperbaric oxygen and focused rehabilitation exercise program: A feasibility study in improving global functioning after stroke**Amount:** \$177,879**Principal Investigator:** R Katznelson**Collaborators:** D Richardson, H Clarke, G Djaiani, AW Evans, S Kalsi-Ryan, F Quraishi**2014-2017****Canadian Institutes of Health Research****Title:** FORESITE-VISION: Further Observation for chronic pain and poor functional recovery Risk factor Examination at the home SITE, a study in partnership with the VISION Cardiac Surgery Prospective Cohort Study**Amount:** \$180,000**Principal Investigator:** M McGillion**Collaborator:** H Clarke**2014-2016****Ministry of Health and Long-Term Care, Medically Complex Patient Demonstration Project****Title:** The development of a transitional pain service**Amount:** \$284,000**Principal Investigators:** H Clarke, K Wentlandt**Collaborators:** R Katznelson, R Styra, D Mazer, D Chung, F Chung**2013-2015****Prostate Cancer Canada, Movember Discovery Grant****Title:** Pilot randomized controlled trial to examine the effects of prehabilitation on functional outcomes and quality of life after radical prostatectomy**Amount:** \$179,069**Principal Investigators:** AG Matthew, D Santa Mina**Collaborators:** H Clarke, S Alibhai, P Ritvo, A Finelli, D Wijesundera, S Tanguay, A Aprikian, C Gillis, J Trachtenberg, F Carli**2013-2015****University Health Network – Mount Sinai Hospital, Alternative Funding Plan 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**2013-2015****University of Guelph-Humber Research Fund****Title:** Prehabilitation for prostate cancer surgery**Amount:** \$21,239**Principal Investigator:** D Santa Mina**Collaborator:** H Clarke**2014****Canadian Institutes of Health Research****Title:** Canadian Pain Society Study Day: Prevention of opioid analgesic misuse in Canada: Pragmatic and innovative strategies?**Amount:** \$50,000**Principal Investigator:** G Lavigne, M Lynch**Collaborators:** A Boulanger, L Cooper, J Laliberte, N Buckley, H Clarke, D Moulin, B Cairns, A Mailis-Gagnon, L Gendron, B Fisher, J Watt-Watson**2013-2014****Canadian Anesthesia Research Foundation Baxter Research Award****Title:** Post thoracotomy pain syndrome: A randomized controlled study comparing closure techniques**Amount:** \$20,000**Principal Investigator:** H Clarke**Collaborators:** K Yasufuku, J Katz, A Huang, M Ma**2009-2014****National Institutes of Health****Title:** Health related quality of life studies after adult to adult live liver donation**Amount:** \$1,500,000**Principal Investigator:** D Grant**Collaborators:** S Abbey, L Adcock, H Clarke, S Holtzman, J Katz, G Therapondos

COOPER, A**2014-2016****Canadian Medical Protective Association****Title:** Reducing ethical and legal errors to improve patient safety in critically ill patients who lack decision making capacity**Amount:** \$50,000**Principal Investigator:** A Cooper**Co-Investigators:** P Chidwick, P Cybulski, DC Scales, R Heslegrave

CRAWFORD, M**2014-2015****SickKids Pain Centre****Title:** A pilot study of lidocaine infusions for the management of chronic pain in children**Amount:** \$22,650**Principal Investigator:** L Isaac**Co-Investigator:** M Crawford**2014-2015****Canadian Institutes of Health Research****Title:** A systematic review of minimal important difference estimates and methods**Amount:** \$100,000**Principal Investigator:** BC Johnston**Co-Investigator:** M Crawford**2014****Perioperative Services Innovation Fund, The Hospital for Sick Children****Title:** “My Post-Op Pain”: User-centred design of a smartphone-based app to improve self-management of acute post-op pain**Amount:** \$9,897**Principal Investigator:** F Campbell

Collaborators: J Stinson, M Crawford, A Kaushal, C Lalloo, C Matava, U Narayanan, G Petroz, A Riggs, D Stocki

2013-2014

Canadian Anesthesiologists' Society Research Award

Title: Discovering pathologic anesthetic effects in autistic children: The role of anesthesia-induced mitochondrial dysfunction

Amount: \$30,000

Principal Investigator: JT Maynes

Co-Investigator: M Crawford

CURLEY, G

2015-2020

Ontario Early Researcher Award

Title: Activation of mesenchymal stem cells with danger signals: Enhancing bacterial clearance and tissue Repair during sepsis-induced ARDS

Amount: \$150,000

Principal Investigator: G Curley

2014-2019

Canadian Anesthesiologists' Society, Canadian Anesthesia Research Foundation Operating Grant

Title: Pre-activated mesenchymal stem cell therapy for bacterial pneumonia

Amount: \$30,000

Principal Investigator: G Curley

2014-2019

Canadian Institute of Health, Research Operating Grant

Title: Cell based therapy for acute respiratory distress syndrome: Using mechanistic insights to optimize therapeutic potential

Amount: \$895,600

Principal Investigator: J Laffey

Co-Investigator: G Curley

2013-2015

International Anesthesia Research Society Mentored Research Award

Title: Optimizing MSC-macrophages interactions in ARDS and sepsis

Amount: \$150,000

Principal Investigator: G Curley

CUTHBERTSON, BH

2015-2019

Health Research Council of New Zealand

Title: SuDDICU Study

Amount: \$1,200,000 (NZD)

Principal Investigator: P Young

Chief International Investigator: B Cuthbertson

Collaborators: C MacArthur, H Seaton, I Seppelt

2015-2019

Australian National Health and Medical Research Council

Title: SuDDICU Study

Amount: \$3,960,000 (AUD)

Principal Investigator: I Seppelt

Chief International Investigator: B Cuthbertson

Collaborators: S Finfer, S Jan, A Marshall, J Myburgh, P Young

2014-2017

Australian and New Zealand College of Anaesthetists

Title: Using the six-minute walk test to predict quality of recovery and disability-free survival following major noncardiac surgery

Amount: \$130,420 (AUD)

Principal Investigator: P Myles

Collaborators: R Pearse, M Shulman, S Wallace, D Wijesundera, B Cuthbertson

2013-2016

Heart and Stroke Foundation of Ontario, Grant in Aid

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: \$144,000

Principal Investigator: B Cuthbertson

2012-2016

Canadian Institutes of Health Research, Operating Grant

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: \$987,000

Principal Investigators: D

Wijesundera, B Cuthbertson

Collaborators: WS Beattie, VW

Chan, L Bernard, J Granton, J Hoch, M Mamdani, D Mazer, C McCartney, J Colin, P Oh, R Pearse, A Smith, K Thorpe, H Wijesundera, C Harindra

2013-2015

Canadian Institutes of Health Research, Operating Grant

Title: Intensive Care

Rehabilitation Study (ICARuS): Barriers to Early Physical Rehabilitation in the ICU - A Delphi Study

Amount: \$84,627

Principal Investigator: B

Cuthbertson

D

DJAIANI, G

2013-2015

University Health Network – Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan Innovation Fund

Title: Inhalational anesthesia and precipitation of dementia: is there a link?

Amount: \$195,100

Principal Investigator: G Djaiani

F

FISHER, J

2014-2015

National Research Council, Government of Canada

Title: Characterization of the response of the normal brain to a controlled carbon dioxide vasodilatory stimulus

Amount: \$65,000

Co-Principal Investigators:

J Fisher, D Mikulis

2013-2015

University Health Network Phase III Alternative Funding Plan Innovations Grant

Title: Development of an atlas of cerebrovascular reactivity in healthy subjects

Amount: \$190,000

Principal Investigator: J Fisher

Collaborators: L Venkatraghavan, D Mikulis

2010-2015

Ontario Research Fund (ORF), 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

Collaborators: J Flanagan,

J Fisher, G Trope, R Devenyi,

WC Lam, F Brent, K Bizheva

2010-2015

Canadian Institutes of Health Research, Team Grant

Title: Retina Research Group (RRG) comprehensive diabetic clinical trials unit, Team Grant

Amount: \$4,629,195

Collaborators: C Hudson,

J Flanagan, J Fisher, G Trope

FRIEDMAN, Z

2014-2016

Physicians Services Incorporated Foundation

Title: Challenging authority during a life threatening crisis: The effect of a teaching intervention

Amount: \$72,000

Principal Investigator: Z Friedman

Collaborator: S Perelman

2013-2015

Royal College of Physicians and Surgeons of Canada, Medical Education Research Grant

Title: Adapting aviation safety to medicine: Using "Cockpit Resource Management" for challenging critical errors by a superior

Amount: \$41,760

Principal Investigator: Z Friedman

G

GAGLIESE, L

2011-2016

Canadian Institutes of Health Research, Operating Grant

Title: Pain in older cancer patients with delirium: Development of an observational measure

Amount: \$773,249

Principal Investigator: L Gagliese

Collaborators: G Rodin, C Zimmermann, B Stevens, VS Chan

2010-2015

Canadian Institutes of Health Research, Operating Grant

Title: Managing cancer and living meaningfully: An RCT of individual psychotherapy for the treatment of depression in patients with metastatic cancer

Amount: \$773,249

Principal Investigator: D Howell
Collaborators: A Bezjak, G Devins, L Gagliese, N Leighl, G Rodin, C Zimmerman

2010-2015

Canadian Institutes of Health Research, Operating Grant

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
Collaborators: A Bezjak, G Devins, L Gagliese, N Leighl, G Rodin, C Zimmermann

H

HARE, G

2014-2018

Canadian Institutes of Health Research

Title: Hemoglobin optimization to improve cerebral health in anemic patients undergoing non-cardiac surgery

Amount: \$451,101

Collaborator: G Hare

2015-2017

St. Michael's Hospital, Alternative Funding Plan Innovation Fund

Title: Hemoglobin Optimization to Improve Cerebral Health in Anemic Patients Undergoing Non-Cardiac Surgery

Amount: \$95,202

Principal Investigator: G Hare

2014-2017

Children's Discovery Institute

Title: Nanomedicine approach to portable oxygen therapeutics with nanocrit

Amount: \$1,000,000

Principal Investigator: A Doctor

Co-Investigator: G Hare

2013-2016

Canadian Institutes of Health Research

Title: Transfusion Requirement in Cardiac Surgery III (TRICS III)

Amount: \$3,323,110

Principal Investigator: D Mazer

Co-Investigator: G Hare

HONG, AP

2014-2016

Physicians Services Incorporated Foundation

Title: A randomized controlled trial of Cesamet (nabilone) for the prevention of postoperative nausea and vomiting in elective outpatient surgery

Amount: \$19,500

Principal Investigator: AP Hong

ISAAC, L

2010-2015

Canadian Institutes of Health Research

Title: The transition from acute postsurgical pain to chronic pain: The role of pain anxiety and parental influences in paediatric pain

Amount: \$60,000

Principal Investigator: J Katz

Collaborators: MG Page, J Stinson, F Campbell, L Isaac

J

JADAD, AR

2013-2018

Canadian Institutes of Health Research

Title: Transforming primary health care in remote northern communities – the Circumpolar Health Systems Innovation Team

Amount: \$2,455,600

Principal Investigator: K Young

Collaborators: AR Jadad, A Brown, S Chatwood, A Cortinois

2013-2016

Canadian Institutes of Health Research, Partnerships for Health System Improvement

Title: Assessing the impact of healthcare facility design on health outcomes: Implications for strategic investments in design

Amount: \$252,009

Principal Investigator: C Alvaro

Collaborators: H Clifford, C Atkinson, P Gardner, AR Jadad, R Lyons, S Wilkinson

2010-2015

Health Resources and Services Administration, Academic Administrative Units, Primary Care, Family Medicine

Title: Developing practice transformation capacity in a family medicine Academic Administrative Unit (AAU)

Amount: \$1,400,000 (USD)

Principal Investigator: PC Coyte

Collaborators: G Andrews, R Upshur, RM Baecker, A Bayoumi, K Boydell, AR Jadad, and others

2009-2015

Canadian Institutes of Health Research

Title: CIHR strategic training program on health care, technology and place

Amount: \$1,950,000

Principal Investigator: PC Coyte

Collaborators: G Andrews, R Upshur, RM Baecker, A Bayoumi, K Boydell, AR Jadad

2009-2015

Canadian Institutes of Health Research

Title: CIHR strategic training program in the social aetiology of mental illness

Amount: \$1,783,890

Principal Investigator: K McKenzie

Collaborators: N Samuel, AR Jadad, MA Barwick, and others

2009-2015

Canadian Institutes of Health Research

Title: CIHR strategic training program on the health applications of cell signalling in mucosal inflammation and pain

Amount: \$1,950,000

Principle Investigator: RP Ellen

Collaborators: C McCulloch, AR Jadad, and others

2009-2014

Canadian Foundation for Innovation

Title: Inclusive Design Institute

Amount: \$8,070,236

Principal Investigator: J

Treviranus

Collaborators: AR Jadad, S Diamond, D Fells, and others

JERATH, A

2013-2015

University Health Network – Mount Sinai University, Academic Medical Organization Alternate Funding Plan

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

2013-2015

Heart and Stroke Foundation of Canada, Grant-in-Aid

Title: Plasma concentrations and pharmacokinetics in patients with renal impairment undergoing cardiopulmonary bypass surgery

Amount: \$90,658

Principal Investigator: A Jerath

Collaborators: M Wasowicz, J Pawluszyn, S Pang, D Wijeyesundera, J Granton, D Urbach

K

KARKOUTI, K

2014-2016

Canadian Institutes of Health Research

Title: Blood conservation in cardiac surgery using a novel transfusion algorithm based on point-of-care testing: A stepped-wedge cluster randomized controlled trial

Amount: \$484,584

Principal Investigator: K Karkouti

Collaborators: J Callum, M Crowther, H Grocott, V Rao, D Scales, D Wijeyesundera

KATZ, J

2013-2018

Canadian Institutes of Health Research, Operating Grant

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

2014-2017

Canadian Institutes of Health Research

Title: FORESITE-VISION: Further Observation for chronic pain and poor functional recovery: Risk factor Examination at the home SITE, a study in partnership with the VISION Cardiac Surgery Prospective Cohort Study

Amount: \$180,000

Co-principal Investigators: J Busse, MH McGillion

Co-applicants: S Carroll, M Choiniere, H Clarke, P Coyte, P Devereaux, S Ebrahim, D Guerriere, J Hoch, W Isaranuwachai, J Katz, A Lamy, J MacDermid, G Martorella, S Mulla, J Victor, J Watt-Watson, R Whitlock

2015-2016

Michael DeGroot Institute of Pain Research and Care

Title: Coming into 'SMARt VIEW': A pilot study to elicit system requirements for the SMARt VIEW post-operative pain self-management intervention

Amount: \$29,986

Nominated Principal Investigator: MH McGillian

Principal Investigators:

PJ Devereaux, A Lamy, D Bender, G Furze, A Turner, P Liu, S Carroll

Co-Investigators: R Stremmler, J Busse, J Khan, Y Le Mannach, J Katz, M Stacey, B McKelvie, M Parry, J Watt-Watson, S O'Keefe-McCarthy, S LeFort, P Coyte, B Stevens, W Clyne, L Moody, S Petit, V Dunlop, K Gregus, ME Harriman, A Zbib, F Naus, K Krull, M Levinson, D Carter, J Panhuis, L Cooper, K Dallessio, C Smith, K Boyajian, S Oliver, M Renee, F Kones, R McEwan

2015-2016

University Health Network Collaborative Academic Practice Internal Research Grants

Title: A pilot investigation of a pre-surgical pain management workshop for patients undergoing thoracic surgery

Amount: \$8,745

Principal Investigator: S Ladak

Co-Investigators: A Weinrib, H Clarke, J Katz, T Waddell

2014-2017

Canadian Institutes of Health Research, Institute of Musculoskeletal Health and Arthritis

Title: Finding the complex patient in patient-centred care: an institutional ethnography of chronic pain management in family medicine

Amount: \$238,000

Principal Investigator: F Webster

Co-applicants: O Bhattacharyya, A Davis, J Katz, P Kreuger, R Upshur, L Wilson, A Yee, R Glazer

2014-2016

Hamilton Academic Health Sciences Organization

Title: A multisite application of FORESITE-VISION: Further Observation for chronic pain and poor functional recovery Risk factor Examination at two SITES, a study in partnership with the VISION Cardiac Surgery Prospective Cohort Study

Amount: \$161,083

Co-Principal Investigators: MH McGillion, JW Busse

Nominated Primary Applicant: A Lamy

Co-investigators: S Carroll, M Choiniere, H Clarke, P Coyte, P Devereaux, S Ebrahim, D Guerriere, J Hoch, W Isaranuwachai, J Katz, A Lamy, J MacDermid, G Martorella, S Mulla, J Victor, J Watt-Watson, R Whitlock

2014-2015

Canadian Institutes of Health Research, Institute of Musculoskeletal Health and Arthritis

Title: Finding the complex patient in patient-centred care: an institutional ethnography of chronic pain management in family medicine

Amount: \$100,000

Principal Investigator: F Webster

Co-applicants: O Bhattacharyya, A Davis, J Katz, P Kreuger, R Upshur

2014-2015

Ontario Ministry of Health and Long-Term Care

Title: The transitional pain service demonstration project

Amount: \$321,509

Co-Principal Investigators:

K Wentlandt, H Clarke
Co-Applicants: J Katz, R Katznelson, R Ko, S Ladak, G O'Leary, A Weiss

2013-2015

Canadian Institutes of Health Research

Title: Evaluating the efficacy of an Attention Modification Program for chronic musculoskeletal pain patients with fibromyalgia

Amount: \$467,500

Principal Investigator: N Carleton

Collaborators: G Asmundson, J Katz

2013-2015

Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund

Title: Multicentre evaluation of a novel technique of analgesia following open liver resection: Midline open transversus abdominis plane (MOTAP) catheters

Amount: \$124,975

Principal Investigators: H Clarke, J Katz

Collaborators: P Karanicolas, A Wei, S McCluskey, R Ko, S Cleary, P McHardy, S Ladak, J Sawyer, A Kiss

2010-2015

Canadian Institutes of Health Research, Operating Grant

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 Isaac, AL Martin, G Pagé, J Stinson

Collaborators: J Wright, D Flora, L Cooper

2009-2014

National Institutes of Health

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)

Amount: \$1,250,000 (USD)

Principal Investigator: DR Grant

Collaborators: S Abbey, H Clarke, S Holtzman, J Katz, G Levy (Senior/Key Personnel), A Oyedele, L Adcock, MJ Phillips, E Renner, N Selzner, A Siegal, G Therapondos, and other significant contributors

KATZNELSON, R**2014-2015****Ministry of Health and Long Term Care, Medically Complex Patient Demonstration Project****Title:** The Development of a Transitional Pain Service**Amount:** \$284,000**Principal Investigators:** H Clarke, K Wentlandt**Collaborators:** R Katznelson, A Weiss, S Ladak**2013-2014****University Health Network – Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan Innovation Fund****Title:** Inhalation anesthesia and precipitation dementia: is there a link?**Amount:** \$195,100**Principal Investigator:** G Djaiani**Collaborators:** R Katznelson, R Styra, D Mazer, D Chung, F Chung

KAVANAGH, BP**2014-2019****Canadian Institutes of Health Research****Title:** Ventilator-induced lung injury: Linking gene activation, physiology and outcome**Amount:** \$718,000**Principal Applicant:** BP Kavanagh**Collaborators:** M Post, G Santyr, M Amato**2013-2018****Canadian Institutes of Health Research****Title:** Linking ventilator-induced diaphragm dysfunction and weaning failure to diaphragm inactivity during mechanical ventilation: A physiological clinical research program**Amount:** \$275,000**Principle Investigator:** E Goligher**Co-Applicant:** BP Kavanagh**2015-2017****Ontario Thoracic Society****Title:** Diaphragm activity and function during mechanical ventilation**Amount:** \$100,000**Principal Investigators:**

N Ferguson, E Goligher

Collaborators: LJ Brochard, GD Rubenfeld, BP Kavanagh**2015-2017****Canadian Institutes of Health Research****Title:** Physiology of negative pressure ventilation**Amount:** \$150,000**Principal Investigator:** T Yoshida**Co-Applicant:** BP Kavanagh**2010-2015****Canadian Institutes of Health Research****Title:** Preclinical assessment of therapeutic hypercapnia**Amount:** \$563,000**Principal Investigator:** BP Kavanagh

KIRKHAM, K**2015-2016****Women's College Hospital, Academic Medical Organization Alternative Funding Plan Innovation Fund****Title:** The Elimination of Standardized PREoperative testing for Same-day Surgery: The ESPRESS study**Amount:** \$30,000**Principal Investigator:** K Kirkham**Collaborators:** R Brull, F Chung, D Wijesundera, P Tenenbein, M Mamdani, J Hoch, W Isaranuwatthai, G Lebovic

KHANDUJA, PK**2014-2016****Ontario simulation network, SIMone Simulation Research & Innovation Grant****Title:** Impact of unexpected death in simulation: Skill retention, stress and emotions; Alternative title for participant blinding: "Impact of medical crisis simulation: Skill retention, stress and emotions"**Amount:** \$24,000**Principal Investigator:** S Boet**Collaborators:** K Schebest, PK Khanduja, V Leblanc, MD Bould

L**LAFFEY, J****2014-2017****Health Research Board, Ireland, Project Grant****Title:** Enhancing the antimicrobial efficacy of mesenchymal stem cells (MSCs) for eliminating sepsis induced acute lung injury (ALI) using a novel combination of immunostimulants**Amount:** \$288,000 (EUR)**Principal Applicant:** N Rowan**Co-applicant:** J Laffey**2014-2017****Health Research Board, Ireland, Project Grant****Title:** STandaRd Issue TrANsfusion versuS Fresher red blood cell Use in intenSive carE (TRANSFUSE): A randomised controlled trial**Amount:** \$750,000 (EUR)**Principal Applicant:** A Nichol**Co-applicant:** J Laffey**2014-2015****European Research Council Proof-of-Concept Grant****Title:** Medically licensed mesenchymal stem cells for acute respiratory distress syndrome**Amount:** \$149,500 (EUR)**Principal Applicant:** J Laffey**2013-2015****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

LAUSSEN, P**2015-2017****National Institutes of Health, National Heart, Lung, and Blood Institute, Small Business Innovation Research Program****Title:** Risk assessment using noninvasive measurements in postoperative pediatric patients**Amount:** \$2,000,000 (USD)**Principal Site Investigator:**

P Laussen

2012-2014**Boston Children's Hospital, Sterling Point Research LLC****Title:** Risk assessment using non-invasive measurements in post-operative pediatric patients**Amount:** \$498,191 (USD)**Principal Investigator:** P Laussen

LO, N**2013-2015****Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund****Title:** Anesthesia information electronic resource development:

A novel platform to improve anesthesia quality and safety and facilitate clinical research

Amount: \$40,881**Principal Investigator:** N Lo**2013-2015****Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund****Title:** Chronic pain patient registry and database: Enabling real-time patient data and evidence informed, outcome based pain management**Amount:** \$15,318**Principal Investigator:** J Hanlon**Collaborators:** N Lo, B Chan, P Leung, H Clarke, G Hare**2010-2014****Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund****Title:** Multi-Centred Regional Anesthesia Collaborative Database**Amount:** \$68,000**Principal Investigator:** N Lo**Collaborators:** P Houston, B Pollard, V Chan, C McCartney

M

MATAVA, C

2015

Perioperative Services, Hospital for Sick Children, Perioperative Summer Student Research Program

Title: Creation and validation of 3D printed library of difficult congenital airways

Amount: \$4,000

Principal Investigator: C Matava
Collaborators: F Alam, G Petroz, J Ferenbrok

2014

Department of Anesthesia, Hospital for Sick Children, Perioperative Summer Student Grant

Title: The SonixGPS ultrasound system improves the ability of pediatric anesthesiologists and trainees to achieve vascular access compared to the traditional ultrasound and needle system

Amount: \$7,500

Principal Investigator: C Matava
Collaborators: O Finnerty, S Balakrishnan, A Niazi

2014

Department of Anesthesia, Hospital for Sick Children, Perioperative Services Innovation Grant

Title: The Teddy goes to the OR is an iPad based tool for alleviating anxiety in children presenting for surgery

Amount: \$7,500

Principal Investigator: C Matava

MAYNES, JT

2014-2017

Heart and Stroke Foundation of Ontario, Grant in Aid

Title: Progressive pulmonary vein stenosis: Focus on “upstream” vasculopathology

Amount: \$253,000

Principal Investigator: JT Maynes
Collaborator: J Coles

2014-2017

Canadian Institute of Health Research

Title: Progressive pulmonary vein stenosis: Focus on “upstream” vasculopathology

Amount: \$297,000

Principal Investigator: JT Maynes
Collaborator: J Coles

2012-2017

The Hospital for Sick Children

Title: Cellular Effects of Anesthetics

Amount: \$500,000

Principal Investigator: JT Maynes

2015-2016

Ontario Stem Cell Initiative, New Ideas Grant

Title: Genomic Correction of Cardiac Sarcomeric Protein Mutations in iPSC-derived Cardiomyocytes

Amount: \$75,000

Principal Investigators: J Coles, JT Maynes

MCCLUSKEY, S

2014-2016

Canadian Institutes of Health Research

Title: Tranexamic acid versus placebo to reduce perioperative blood transfusion in patients undergoing major liver resection: A pilot randomized controlled trial

Amount: \$248,319

Principal Investigator: PJ Karanicolas, GH Guyatt
Collaborators: PK Chaudhury, E Dixon, Y Lin, S McCluskey, GA Porter, J Tarshis, AC Wei

2014-2015

Canadian Institutes of Health Research

Title: Development of a decision rule for discharging patients following colorectal surgery based on postoperative Serum C Reactive Protein and/or Procalcitonin levels

Amount: \$358,402

Principal Investigator: RS McLeod
Collaborators: M Aarts, J Marshall, S McCluskey, A Morris, A Okrainec, O Rotstein, I Stiell

2013-2015

Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund

Title: Multicentre evaluation of a novel technique of analgesia following open liver resection: Midline open transversus abdominis plane (MOTAP) catheters

Amount: \$124,975.85

Principal Investigators: H Clarke, J Katz

Collaborators: P Karanicolas, A Wei, S McCluskey, R Ko, S Cleary, P McHardy, S Ladak, J Sawyer, A Kiss

2013-2014

Australian National Health and Medical Research Council

Title: RELIEF: REstrictive versus LIBeral Fluid therapy in major abdominal surgery

Amount: \$140,000 (AUD)

Principal Investigator: P Myles
Collaborators: S McCluskey,

V Chan, A Jerath, M Wasowicz, D Wijesundera, J Granton, D Urbach

MCDONNELL, C

2013-2015

The Hospital for Sick Children, Internal Seed Grant, Department of Anesthesia & Pain Medicine

Title: EasyDoseIt: Development of a dose checking app

Amount: \$10,000

Principal Investigator: C McDonnell

Collaborator: R Roy

MCGHEE, I

2013-2014

Canadian Patient Safety Institute

Title: Improving cardiac OR to ICU handover using a standardized process

Amount: \$4,000

Principal Investigator: I McGhee
Collaborator: J Gleicher

MCHARDY, P

2015-2017

Sunnybrook Health Sciences Alternative Funding Plan Innovation Fund

Title: Comparison of the effects of perineural versus systemic dexamethasone on low dose interscalene brachial plexus block

Amount: \$86,417

Principal Investigators:

P McHardy, S Choi
Collaborators: K Kirkham, R Brull, C McCartney

2013-2015

Sunnybrook Health Sciences Alternative Funding Plan Innovation Fund

Title: Multicentre evaluation of a novel technique of analgesia following open liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) catheters

Amount: \$98,562

Principal Investigator: P

Karanicolas

Collaborators: A Wei, P McHardy, J Sawyer, C Law, N Coburn, S Cleary, S McCluskey, A Kiss, R Behman, J Lam-McCulloch

2013-2015

University Health Network – Mount Sinai Hospital, Alternative Funding Plan 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

Collaborators: P Karanicolas, A Wei, S McCluskey, R Ko, S Cleary, P McHardy, J Katz, S Ladak, J Sawyer, A Kiss

MEINERI, M**2014-2015****University of Toronto, Instructional Technology Innovation Fund****Title:** Development of interactive on line teaching aids for learning point-of-care ultrasound (POCUS)**Amount:** \$30,000**Principal Investigator:** M Meineri**Collaborators:** A Goffi, C Nox, G Tait**2014-2015****Peter Munk Cardiac Centre Innovation Fund****Title:** Development of interactive online modules for learning 3D transesophageal echocardiography and the assessment of cardiac pathology with 3D and 2D transesophageal echocardiography**Amount:** \$200,000**Principal Investigators:** M Meineri, A Vegas, W Tsang, G Tait**2013-2015****Physician Serviced Incorporated Foundation****Title:** Strategies for optimal lung ventilation in ECMO for ARDS: The SOLVE ARDS Study**Amount:** \$57,500**Principal Investigator:** F Eddy**Collaborators:** L Brochard, M Cypel, L Del Sorbo, A Goffi, E Goligher, S Keshavjee, M Meineri, A Pesenti, A Slutsky

MORGAN, P**2013-2015****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:** P Morgan**Collaborators:** D Tregunno, R Brydges, H Carnahan, M Kurrek, ML Murnaghan, J Semple, S Bell, N Groff, D Forde

O**O'LEARY, J****2015-2016****Canadian Anesthesiologists' Society, Dr Earl Wynands Research Award in Cardiovascular Anesthesia****Title:** Risk stratification for children with repaired or palliated congenital heart defects undergoing noncardiac surgery: A population-based cohort study**Amount:** \$27,229**Principal Investigator:** J O'Leary**Collaborators:** D Wijesundera, M Crawford**2014-2016****SickKids Heart Centre, Innovation Fund****Title:** The protective effect of the α 2-agonist dexmedetomidine on mitochondrial structure and function for children with non-cyanotic congenital heart defects having cardiac surgery: A randomized controlled trial**Amount:** \$25,000**Principal Investigator:** J O'Leary**Collaborators:** JT Maynes, J Coles

ORSER, B**2015-2020****Canadian Institutes of Health Research, Transitional Open Operating Grant****Title:** The role of GABAA receptors in postoperative memory deficits**Amount:** \$976,055**Principal Investigator:** B Orser**2013-2018****Canadian Institutes of Health Research (CIHR)****Title:** Memory loss after anesthesia by inhibiting alpha 5 GABAA receptors**Amount:** \$819,055**Principal Investigator:** B Orser**2013-2016****Department of Medicine, University of Toronto****Title:** Sleep and sedation-translational science to public health**Amount:** \$450,000**Principal Investigator:** R Horner**Co-Investigator:** B Orser**2011-2016****Canadian Institutes of Health Research****Title:** Trans-disciplinary team research and training program in sleep and biological rhythms**Amount:** \$2,000,000**Principal Investigator:** R Horner**Co-Investigator:** B Orser**2011-2016****Canadian Institutes of Health Research (CIHR)****Title:** The role of GABAA receptors in postoperative memory deficits**Amount:** \$860,535**Principal Investigator:** B Orser**2015****Collaborative Center for Drug Research****Title:** Repurposing anesthetics for treatment of depression**Amount:** \$50,000**Principal Investigator:** B Orser**2015****Canadian Anesthesiologists' Association Canadian Journal of Anesthesia Research Award****Title:** Repurposing anesthetics for treatment of depression**Amount:** \$30,000**Principal Investigator:** B Orser**2014****Canada Foundation for Innovation Source Leader's Opportunity Funds & Ministry of Research and Innovations****Title:** Mechanisms of Anesthesia and Sleep**Amount:** \$224,332**Principal Investigator:** B Orser**Co-Investigator:** R Horner

P**PRONOVOST, PA****2009-2015****Canada's Academic Health Sciences Centres, Alternative Funding Plan Innovation Fund****Title:** Process Improvement in the Pre-Anesthesia Facility, St. Michael's Hospital**Amount:** \$140,000**Principal Investigator:** P Pronovost**Co-Investigator:** P Pronovost

PENG, P**2015-2016****Physicians Service Incorporation****Title:** Applied Anatomy of Hip and Knee Innervation relevant to Ultrasound Guided Pain Intervention**Amount:** \$18,000**Principal Investigator:** P Peng**2014****Ontario Ministry of Health and Long-Term Care****Title:** Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project**Amount:** \$175,000**Principal Investigator:** F Chung**Co-Investigator:** P Peng**2014****Ontario Ministry of Health and Long-Term Care****Title:** Treating the brain in pain: using functional magnetic resonance imaging to predict and correlate clinical outcomes of ketamine infusions for refractory neuropathic pain**Amount:** \$173,000**Principal Investigator:** A Bhatia**Co-Investigator:** P Peng

PERLAS, A**2015-2016****Alfred Health, Australia****Title:** RELIEF: REstrictive vs. LIberal Fluid therapy in major abdominal surgery**Amount:** \$70,000**Principal Investigator:** P Myles**Collaborators:** S McCluskey, J Granton, D Urbach, A Jerath, V Chan, A Perlas**2013-2015****Academic Health Sciences Centers Alternate Funding Plan****Title:** Ultrasound Assessment of Gastric Content and Volume in the Obstetric Patient**Amount:** \$99,600**Principal Investigator:** C Arzola**Collaborators:** J Carvalho, A Perlas

R**RIAZI, S****2014-2019****National Institute of Health, National Institute of General Medical Sciences****Title:** Roles of calsequestrin in the control of calcium signals in health and disease**Amount:** \$750,000**Principal Investigator:** E Ríos**Collaborator:** S Riazi**2015-2016****Physicians' Services Incorporated****Title:** Investigation of metabolomics profiling in patients with malignant hyperthermia**Amount:** \$64,000**Principal Investigator:** S Riazi**Collaborators:** J Parness, M Wasowicz, J Pawliszyn, D MacLennan

RINGSTED, C**2014-2017****TrygFonden, Denmark****Title:** Optimizing training of lumbar puncture skills**Amount:** \$1,555,425 (DKK)**Principal Investigator:** MJV Henriksen**Collaborators:** TV Schroeder, L Konge, C Ringsted**2014-2017****Royal College of Physicians and Surgeons of Canada, Medical Education Research Grant****Title:** Optimizing intra-operative massive transfusion: Probing for forethought**Amount:** \$71,000**Principal Investigators:**

M Contreras, C Ringsted

Collaborators: G Hare, G Lorello,

D Pavenski, M Hayter, MG

Tolsgaard, M Rasmussen

2014-2015**Education Development Fund, University of Toronto****Title:** Optimizing intra-operative massive transfusion: Probing for forethought**Amount:** \$10,000**Principal Investigator:** J Laffey**Collaborators:** M Contreras, G Hare, G Lorello, D Pavenski, M Hayter, MG Tolsgaard, M Rasmussen, C Ringsted**2014-2015****Royal College of Physicians and Surgeons of Canada, Medical Education Research Grant****Title:** Rethinking transfer: How does self-regulated learning prepare residents for future learning?**Amount:** \$18,118**Principal Investigators:** R Brydges,

J Manzone

Collaborators: C Ringsted,

M Mylopoulos, J Tarhis

2014-2015**Education Development Fund, University of Toronto****Title:** Competency based medical education: Development of validated assessment methods after orthopaedic resident rotations**Amount:** \$19,000**Principal Investigator:** T Dwyer**Collaborators:** C Ringsted, B Hodges, M Nousiainen, P Ferguson, D Ogilvie-Harris, S Ng**2013-2015****Associated Medical Services, Phoenix Caring Project Grant****Title:** From surviving to advising: Pairing mental health service users as advisors to psychiatry residents**Amount:** \$20,000**Principal Investigator:** S Agrawal**Collaborators:** P Capponi, S Kidd, C Ringsted, S Soklaridis, D Wiljer**2012-2015****Leardal Foundation, Centre Support****Title:** Transfer of Advanced Life Support Skills**Amount:** \$500,000**Co-Principal Investigator:** C

Ringstead

Collaborators: MB Rasmussen,

MG Tolsgaard, P Dieckmann,

D Østergaard

S**SINGH, M****2015-2017****Academic Medical Organization Innovation fund****Title:** Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project**Amount:** \$175,498**Principal Investigator:** F Chung**Co-investigator:** M Singh

SPADAFORA, S**2013-2014****Royal College of Physicians and Surgeons, Faculty Development Grant****Title:** Fostering Humanism and Professionalism Through Faculty Role-Models Within a Canadian Context**Amount:** \$5,000**Principal Investigator:** P Brett-Maclean**Collaborators:** W Branch Jr., S Spadafora, A Peterkin

STEEL, A**2013-2015****Ontario Academic Health Sciences Centre, Alternative Funding Plan 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

SZABÓ, E**2012-2015****SickKids Foundation and Canadian Institutes for Health Research, New Investigator Research Grants****Title:** Understanding voltage-gated sodium channel related cardiomyopathy**Amount:** \$299,981**Principal Investigator:** E Szabo

T**TARSHIS, J****2015-2017****Sunnybrook Health Sciences Centre, Alternative Funding Plan Innovation Grant****Title:** Improving AD HOC Team Performance Using an Innovative "I START END" Tool**Amount:** \$20,760**Principal Investigator:** I McGhee**Co-investigator:** J Tarhis

V**VEGAS, A****2014-2015****Peter Munk Cardiac Center Innovation Fund****Title:** Development of interactive online modules for learning 3D transesophageal echocardiography and the assessment of cardiac pathology with 3D and 2D transesophageal echocardiography**Amount:** \$200,000**Principal Investigator:** A Vegas**Collaborators:** M Meineri, W Tsang, G Tait

VENKATRAGHAVAN, L**2015-2017****University Health Network – Mount Sinai Hospital, Academic Health Sciences Centre Alternative Funding Plan Innovation Fund****Title:** Treating the brain in pain: Using functional MRI to predict and correlate clinical outcomes of ketamine infusion for refractory neuropathic pain**Amount:** \$173,000**Principal Investigators:** A Bhatia, L Venkatraghavan**Collaborators:** D Mikulis, K Davies, P Peng**2015-2017****St. Michael's Hospital, Alternative Funding Plan Innovation Fund****Title:** Hemoglobin optimization to improve cerebral health in anemic patients undergoing non-cardiac surgery**Amount:** \$95,202**Principal Investigator:** GM Hare**Collaborators:** L Venkatraghavan, K Parenski, CD Mazer, J Fisher, D Mikulis, T Schweizer, G Leung**2014-2015****University Health Network – Mount Sinai Hospital, Academic Health Sciences Centre Alternative Funding Plan 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:** \$183,860**Principal Investigator:**

L Venkatraghavan

Collaborators: D Mikulis, J Fisher, M Tymianski**2014-2015****The Arthritis Foundation****Title:** Inflammation and Overall Painful Joint Burden in Osteoarthritis, as a Matter of Sex**Amount:** \$35,000**Principal Investigator:** R Gandhi**Collaborators:** AV Perruccio, V Chandran

W**WAŚOWICZ, M****2014-2015****Physicians Services Incorporation****Title:** Investigation of metabolomics profiling in patients with malignant hyperthermia**Amount:** \$66,000**Principal Investigator:** S Riaz**Collaborators:** M Waśowicz, B Bojko, J Parness, D MacLennan**2013 - 2015****University Health Network – Mount Sinai Hospital, Academic Medical Organization Alternative Funding Plan****Title:** Anesthetics for long-term sedation in critically ill patients: A prospective randomized trial**Amount:** \$152,936**Principal Investigators:** A Jerath, M Waśowicz**Collaborators:** N Ferguson, A Steel, D Mazer, V Rao**2013 - 2015****Heart and Stroke Foundations Canada****Title:** Plasma concentration and pharmacokinetics of tranexamic acid in patients with renal impairment undergoing cardiopulmonary bypass surgery**Amount:** \$90,658**Principal Investigator:** A Jerath**Collaborators:** M Waśowicz, D Wijesundera, T Yau, J Pawliszyn, WS Beattie, S Pang**2015 - 2017****University Health Network - Mount Sinai Hospital Academic Medical Organization Alternative Funding Plan Innovation Grant****Title:** Functional magnetic resonance imaging to predict and correlate clinical outcomes of ketamine infusions for refractory neuropathic pain: The MRI-KETNeP Study**Amount:** \$173,000**Principal Investigator:** M

Waśowicz

Collaborators: K Davis,

L Venkatraghavan, P Peng

WIJEYSUNDERA, D**2013-2018****Ministry of Research and Innovation, Early Researcher Award****Title:** Improving the evaluation of physical fitness for major surgery**Amount:** \$150,000**Principal Investigator:**

D Wijesundera

2015-2017**Ontario Ministry of Health and Long-Term Care, Alternative Funding Plan Innovation Funds****Title:** Pain-relief Alternatives for Shoulder Surgery (PASS trial): The novel combination of suprascapular and axillary nerve blocks versus conventional interscalene brachial plexus block for pain relief following shoulder surgery: A two-centred randomized, patient and assessor blinded, non-inferiority trial**Amount:** \$122,313**Principal Investigators:** V Chan**Collaborators:** F Abdallah, DN Wijesundera, R Brull**2014-2016****Canadian Institutes of Health Research (CIHR), Operating Grant****Title:** Blood conservation in cardiac surgery using a novel transfusion algorithm based on point-of-care testing: A stepped-wedge cluster randomized controlled trial**Amount:** \$484,584**Principal Investigator:** K Karkouti**Collaborators:** JL Callum, MA Crowther, HiP Grocott, V Rao, DC Scales, DN Wijesundera**2014-2016****Australia and New Zealand College of Anaesthetists, Project Grant****Title:** Using the six-minute walk test to predict quality of recovery and disability-free survival following major noncardiac surgery**Amount:** \$130,420 (AUD)**Principal Investigator:** P Myles**Collaborators:** M Shulman, S Wallace, DN Wijesundera, BH Cuthbertson, RM Pearse**2013-2016****Heart and Stroke Foundation of Ontario, Grant-in-Aid****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:** \$144,000**Principal Investigators:** DN

Wijesundera, BH Cuthbertson

Collaborators: J Granton,

P Oh, WS Beattie, R Brull,

C McCartney, CD Mazer, HC

Wijesundera, M Mamdani,

K Thorpe

2012-2016**Canadian Institutes of Health Research, Operating Grants****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 Investigators:** DN

Wijesundera, BH Cuthbertson

Collaborators: J Granton,

P Oh, WS Beattie, V Chan,

C McCartney, CD Mazer, HC

Wijesundera, A Smith, RM

Pearse, B Croal, M Mamdani,

K Thorpe

2014-2015**Physicians Services Incorporated Foundation****Title:** Improving the validity of treatment effect estimates from observational data of uncommon diseases: The scleroderma lung transplant survival model**Amount:** \$169,500**Principal Investigator:** S Johnson**Collaborators:** DN Wijesundera,

M De Perrot, L Singer

2013-2015
University of Guelph-Humber Research Fund
Title: Prehabilitation for prostate cancer surgery
Amount: \$21,239
Principal Investigator: D Santa Mina
Collaborators: H Clarke, SMH Alibhai, P Ritvo, F Carli, C Guglietti, L Stefanyk, J Trachtenberg, AG Matthew, DN Wijesundera

2013-2015
Heart and Stroke Foundation of Ontario, Grant-in-Aid
Title: Plasma concentration and pharmacokinetics of tranexamic acid in patients with renal impairment undergoing cardiopulmonary bypass surgery
Amount: \$90,658
Principal Investigator: A Jerath
Collaborators: DN Wijesundera, K Karkouti, M Wasowicz

2013-2015
Prostate Cancer Canada, Movember Discovery Grants
Title: A multicentre, pilot randomized controlled trial to examine the effects of prehabilitation on functional outcomes after radical prostatectomy
Amount: \$176,069
Principal Investigators: D Santa Mina, A Matthew
Collaborators: DN Wijesundera, H Clarke, H Alibhai, P Ritvo, A Finelli, S Tanguay, A Aprikian, C Gillis, J Trachtenberg, F Carli, D Wijesundera

2013-2015
Ontario Ministry of Health and Long-Term Care, Alternative Funding Plan Innovation Funds
Title: Use of volatile anesthetics for long-term sedation in critically ill patients
Amount: \$152,937
Principal Investigator: A Jerath
Collaborators: M Wasowicz, A Steel, DN Wijesundera, N Ferguson, CD Mazer, V Rao

2013-2015
Ontario Ministry of Health and Long-Term Care, Alternative Funding Plan Innovation Funds
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: \$193,404
Principal Investigators: DN Wijesundera
Collaborators: BH Cuthbertson, J Granton, P Oh, WS Beattie, R Brull, C McCartney, CD Mazer, HC Wijesundera, A Smith, RM Pearce, PS Myles

WONG, J
2015-2017
Sunnybrook Alternative Funding Plan Innovation Fund
Title: Prevention Of Delirium in Elderly with Obstructive Sleep Apnea (PODESA)
Amount: \$89,000
Principal Investigator: J Wong
Collaborators: F Chung, S Choi

2015-2016
Women's College Hospital Academic and Medical Services Group Innovation Fund
Title: Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project
Amount: \$29,905
Principal Investigator: J Wong
Collaborators: F Chung, C Ryan, A Bhatia

2013-2015
Academic Health Sciences Centre Alternative Funding Plan Innovation Fund
Title: Development and implementation of a perioperative smoking cessation program with computer-based patient education
Amount: \$178,584
Principal Investigator: J Wong
Collaborators: F Chung, Z Friedman, R Davey, P Selby

WUNSCH, H
2014-2017
Canadian Institutes of Health Research, Operating Grant
Title: Identifying risk factors for and outcomes following rehospitalizations for elderly critically ill patients
Amount: \$189,225
Principal Investigator: H Wunsch
Collaborators: DC Scales, RA Fowler

2010-2015
National Institutes of Health / National Institute of Aging
Title: Use of intensive care for elderly patients undergoing high-risk surgical procedures
Amount: \$628,425
Principal Investigator: H Wunsch

2011-2014
Columbia University, Irving Scholars Program
Title: Treatment intensity and outcomes for critically ill patients
Amount: \$180,000
Principal Investigator: H Wunsch

Z

ZHANG, H
2014-2016
Canadian Institutes of Health Research, China-Canada Joint Health Research Initiative Grant
Title: Mechanisms of ventilator-induced lung injury and remodelling
Amount: \$225,000
Principal Investigator: A Slutsky
Co-investigator: H Zhang

2011-2016
Canadian Institutes of Health Research, Operating Grant
Title: Mechanisms of human neutrophil peptides in lung inflammation
Amount: \$828,620
Principal Investigator: H Zhang

2010-2016
Department of Foreign Affairs and International Trade (Canada), Going Global Innovation Grant, Science and Technology Div
Title: Animal studies of ventilator-induced lung injury
Amount: \$5544
Principal Investigator: H Zhang

2010-2015
Canadian Institutes of Health Research (CIHR), CIHR Operating Grant
Title: Mechanisms of ventilator-induced pulmonary fibrosis and its therapy
Amount: \$798,747
Principal Investigator: H Zhang

Non Peer-Reviewed Grants

C

CAMPBELL, F

2014-2015

SickKids Pain Centre, SickKids Pain Centre Seed Grant

Competition

Title: Magnetic resonance-guided high intensity focused ultrasound for palliation of painful skeletal metastases in children

Amount: \$25,000

Principal Investigator: J Drake

Collaborators: J Amaral, M Temple, F Campbell, J de Ruiter, M Irwin, A Kassam, S Hopyan, T Looi, A Waspe

CHIN, KJ

2014-2016

Smiths Medical ASD Inc

Title: Comparing the delivery of local anesthetic by programmed intermittent bolus versus continuous infusion through a popliteal sciatic nerve catheter for analgesia following major ankle surgery

Amount: \$31,500

Principal Investigator: KJ Chin

Collaborators: VWS Chan, A Perlas, J Lau, S Abbas

CLARKE, H

2015

Purdue Pharma, Health Solutions Granting Committee

Title: A novel, multidisciplinary, Transitional Pain Service (TPS) designed to manage moderate to severe, acute postsurgical pain, reduce hospital length of stay, facilitate opioid weaning and reduce Chronic Post Surgical Pain (CPSP)

Amount: \$60,000

Principal Investigator: H Clarke

2014

Purdue Pharma, Health Solutions Granting Committee

Title: A novel, multidisciplinary, Transitional Pain Service (TPS) designed to manage moderate to severe, acute postsurgical pain, reduce hospital length of stay, facilitate opioid weaning and reduce Chronic Post Surgical Pain (CPSP)

Amount: \$50,000

Principal Investigator: H Clarke

D

DAVIES, S

2011-present

Abbott Laboratories

Title: Online continuing education web-site development

Amount: \$9,500

Principal Developer: S Davies

DJAIANI, G

2013-2014

Fresenius Kabi

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

Amount: \$149,730

Principal Investigator: G Djaiani

F

FISHER, JA

2014-2016

GE Healthcare (formerly General Electric Medical Systems), Head Health Sciences Initiative

Title: Cerebrovascular reactivity as biomarker in mild traumatic brain injury

Amount: \$300,000 USD

Principal Investigator: L Da Costa

Collaborators: P Howard, B MacIntosh, J Fisher

2013-2015

Anonymous Companies, Corporations (Non-Canadian)

Title: Pilot studies in advanced brain vascular physiology

Amount: \$38,000

Principal Investigator: J Fisher

J

JADAD, AR

2012-2015

Green Shield Canada Foundation, Health Innovation Collaboration

Title: Health eConcierge

Amount: \$450,000

Principal Investigator: AR Jadad

Collaborators: J Bender, A Cortinois

K

KARKOUTI, K

2014-2016

TEM International Gmb H / Helena Laboratories

Title: Blood conservation in cardiac surgery using a novel transfusion algorithm based on point-of-care testing: a stepped-wedge cluster randomized controlled trial

Amount: \$400,000

Principal Investigator: K Karkouti

Collaborators: J Callum, M Crowther, H Grocott, V Rao, D Scales, D Wijeyesundera

2014-2016

Octopharma

Title: Blood conservation in cardiac surgery using a novel transfusion algorithm based on point-of-care testing: a stepped-wedge cluster randomized controlled trial

Amount: \$150,000

Principal Investigator: K Karkouti

2014-2016

Baxter Laboratories

Title: Blood conservation in cardiac surgery using a novel transfusion algorithm based on point-of-care testing: a stepped-wedge cluster randomized controlled trial.

Amount: \$50,000

Principal Investigator: K Karkouti

2013-2015

Masimo Corporation

Title: The effects of continuous hemoglobin and Plethysmographic Variability Index (PVI) monitoring on perioperative transfusion, fluid management, and outcomes

Amount: \$100,000

Co-Principal Investigator: K

Karkouti

Collaborators: SA McCluskey SA, M Machina

M

MCCLUSKEY, S

2013-2015

Masimo Corporation

Title: The effects of continuous hemoglobin and Plethysmographic Variability Index (PVI) monitoring on perioperative transfusion, fluid management, and outcomes

Amount: \$100,000

Principal Investigator: K Karkouti

Collaborators: M Machina, S McCluskey

2013-2015

Council of Academic Hospitals of Ontario, Adopting Research to Improve Care

Title: Enhanced recovery after surgery: colorectal surgery

Amount: \$1,300,000

Principal Investigator: R McLeod

Collaborators: There are representatives from nursing, surgery and anesthesia in all the academic hospital in Ontario. My role is to guide the perioperative fluid and pain management.

2009-2015

National Institute of Diabetes and Digestive and Kidney Diseases

Title: Adult to adult live liver transplantation

Amount: \$1,470,000

Principal Investigator: D Grant

Collaborator: S McCluskey

MEINERI, M

2014

Philanthropist, Peter Munk Cardiac Center Foundation

Title: Perioperative anesthesia 3D imaging research Center

Amount: \$1,000,000

Principal Investigator: M Meineri

O

O'LEARY, J

2014-2015

Department of Diagnostic Imaging, Hospital for Sick Children, Department of Diagnostic Imaging Research Awards 2014

Title: The effect of high energy exposure during magnetic resonance imaging on lymphocyte DNA integrity in children

Amount: \$3000

Principal Investigator: J O'Leary

Collaborators: M Shroff, JT Maynes

2014-2015

Hospital for Sick Children, Perioperative Services Innovation Fund

Title: A multidimensional strategy to improve the quality of the pre-briefing component of the SickKids surgical safety checklist

Amount: \$10,000

Principal Investigator: J O'Leary

Collaborators: C McDonnell, GR Baker, D Bagli

R

RINGSTED, C

2012-2015

The Capital Region of Denmark

Title: Simulation-based postgraduate training

Amount: \$4,000,000 (DKK)

Principal Investigator: L Konge

Collaborator: C Ringsted

T

TARSHIS, J

2014-2016

Medical Education Research Grant, Royal College of Physicians and Surgeons of Canada

Title: Rethinking Transfer: How Does Self-Regulated Learning Prepare Residents for Future Learning?

Amount: \$18,118

Principal Investigator: R Bridges

Collaborators: J Manzone, C Ringsted, M Mylopoulos, J Tarshis

TAYLOR, K

2014-2015

Hospital for Sick Children Innovation Fund

Title: Evaluating Precision of Therapy - Milrinone TDM

Amount: \$10,000

Principal Investigator: K Taylor

Collaborator: C Parshuram

2012-2015

Canadian Anesthesiology Society, Baxter Corporation Canadian Research Award in Anesthesia

Title: Evaluating Precision of Therapy – Milrinone

Amount: \$20,000

Principal Investigator: K Taylor

Collaborator: C Parshuram

2013-2014

Hospital for Sick Children Innovation Fund

Title: A qualitative study of 'outer-loop' communications in resuscitations

Amount: \$5,400

Principal Investigator: K Taylor

Collaborators: B Mema, S Ferri, C Hyslop

Z

ZHANG, H

2013-2017

National Science Foundation, Operating Grant

Title: Targeting the signaling of human neutrophil peptides in lung injury

Amount: \$145,000

Principal Investigator: H Zhang



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