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Chair’s Introduction

Dr. Brian Kavanagh

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

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

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

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

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

Site Coordinators
Dr. Lisa Bahrey, UHN-Toronto General Hospital
Dr. Deven Chandra ...... St. Michael's Hospital
Dr. Vaibhav Kamble ...... Toronto East General Hospital
Dr. Alayne Kealey Sunnybrook Health Sciences Centre
Dr. Kyle Kirkham .......... UHN-Toronto Western Hospital
Dr. Henderson Lee ............ Family Practice Anesthesia Program
Dr. Martin Ma .... UHN-Toronto General Hospital
Dr. Elaine Ng ......... The Hospital for Sick Children
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

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

Faculty Development Programs
Dr. Martin van der Vyver ........ Director
### Department Committees

<table>
<thead>
<tr>
<th>Committee</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Committee</td>
<td>B. Kavanagh (Chair), S. Belo, M. Crawford, W. Kubasik, J. Laffey, D. Mazer, D. McKnight, G. O’Leary</td>
</tr>
<tr>
<td>Education Council</td>
<td>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</td>
</tr>
<tr>
<td>Department Appointments Committee</td>
<td>B. Macpherson (Chair), S. Halpern, C. Loffelmann, K. Matevski (Secretary), M. O’Driscoll, A. Perlas</td>
</tr>
<tr>
<td>Promotions Committee</td>
<td>M. Crawford (Chair), S. Beattie, R. Brull, F. Chung, J. Katz, B. Kavanagh, J. Laffey, D. Mazer, B. Orser, J. Tarshis, J. Wassermann</td>
</tr>
<tr>
<td>Continuing Medical Education/Professional Development</td>
<td>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</td>
</tr>
<tr>
<td>Faculty Development Committee</td>
<td>M. van der Vyver (Chair), L. Bahrey, K. Kanduja, B. Kavanagh, C. Matava, D. McKnight, N. Lo, S. Lilker, S. Riazi, P. Slinger</td>
</tr>
<tr>
<td>Fellowship Education Committee</td>
<td>D. Yee (Chair), D. Chin, P. McHardy, K. Matevski (Program Assistant), D. McKnight, A. Rigamonti, N. Siddiqui, C. Srinivas, I. Srinivasan</td>
</tr>
<tr>
<td>Postgraduate Education Committee</td>
<td>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. Salmon, S. Srikantharajah (PG5), C. Toon (PG1), B. Yau (PG4), M. Weisbrod, S. Yu (PG3)</td>
</tr>
<tr>
<td>Research Committee</td>
<td>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</td>
</tr>
<tr>
<td>Undergraduate Education Committee</td>
<td>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)</td>
</tr>
<tr>
<td>Faculty Development Day 2014 Planning Committee</td>
<td>M. van der Vyver (Chair), C. Matava, J. Morris, S. Riazi</td>
</tr>
<tr>
<td>Shields Research Day 2015 Planning Committee</td>
<td>Z. Friedman (Chair), B. Kavanagh, W. Kubasik, J. Morris</td>
</tr>
</tbody>
</table>

### 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
- RoyalVictoria 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:**

<table>
<thead>
<tr>
<th>Recipient</th>
<th>Hospital</th>
<th>Project Title</th>
<th>Award Value/ Annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Baker</td>
<td>St. Michael’s Hospital</td>
<td>Endothelial progenitor cells in mild traumatic brain injury: biomarker and mechanisms in recovery.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Mrinalini Balki</td>
<td>UHN-Mount Sinai Hospital</td>
<td>In-vitro and in-vivo approaches to improve treatment options for PPH in high-risk women.</td>
<td>$40,000</td>
</tr>
<tr>
<td>W. Scott Beattie</td>
<td>UHN-Toronto General Hospital</td>
<td>Defining safe processes of care that reduce the Impact of Perioperative Myocardial Infarction.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Richard Brull</td>
<td>UHN-Toronto Western Hospital</td>
<td>The facilitatory effects of perineural dexmedetomidine for interscalene block.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Ki Jinn Chin</td>
<td>UHN-Toronto Western Hospital</td>
<td>Validation of the analgesic efficacy of the Transversalis Fascia Plane (TFP) block – a novel technique in iliac crest bone graft harvesting.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Hance Clarke</td>
<td>UHN-Toronto General Hospital</td>
<td>The transition from acute to chronic postsurgical pain: a multicentre prospective study.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Brian Cuthbertson</td>
<td>Sunnybrook Health Sciences Centre</td>
<td>SuDDICU randomized clinical trial.</td>
<td>$40,000</td>
</tr>
<tr>
<td>George Djaiani</td>
<td>UHN-Toronto General Hospital</td>
<td>Inhalational anesthesia and precipitation of dementia: is there a link?</td>
<td>$40,000</td>
</tr>
<tr>
<td>Joseph Fisher</td>
<td>UHN-Toronto General Hospital</td>
<td>Application of automated precise control of arterial blood partial pressure of gases: CO₂, O₂, CO and anesthetic vapours.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Greg Hare</td>
<td>St. Michael’s Hospital</td>
<td>Treatment of anemia to improve patient outcomes: a translational research program.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Keyvan Karkouti</td>
<td>UHN-Toronto General Hospital</td>
<td>What causes transfusion-related acute organ injury and how can it be avoided?</td>
<td>$40,000</td>
</tr>
<tr>
<td>John Laffey</td>
<td>St. Michael’s Hospital</td>
<td>Optimising the therapeutic potential of human Mesenchymal Stromal Cells (hMSECS) for Acute Respiratory Distress Syndrome.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Jason Maynes</td>
<td>The Hospital for Sick Children</td>
<td>The use of iPSC-derived cardiomyocytes as models for drug toxicity.</td>
<td>$40,000</td>
</tr>
<tr>
<td>David Mazer</td>
<td>St. Michael’s Hospital</td>
<td>Reducing adverse outcomes in cardiac surgery related to tissue hypoxia.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Colin McCartney</td>
<td>Sunnybrook Health Sciences Centre</td>
<td>OPRA: Optimizing Pain and Rehabilitation after Knee Arthroplasty?</td>
<td>$40,000</td>
</tr>
<tr>
<td>Sheila Riazi</td>
<td>UHN-Toronto Western Hospital</td>
<td>Skeletal muscle bioenergetics and mitochondrial function in malignant hyperthermia patients (MHS).</td>
<td>$40,000</td>
</tr>
<tr>
<td>Charlotte Ringsted</td>
<td>UHN-Toronto General Hospital</td>
<td>Research program in anesthesia education and practice.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Elod Szabo</td>
<td>The Hospital for Sick Children</td>
<td>Defining gating pore current elicited signaling pathways in cardiac cells.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Marcin Wasowicz</td>
<td>UHN-TGH</td>
<td>Thinking outside the box – innovations in peri-operative medicine.</td>
<td>$40,000</td>
</tr>
<tr>
<td>Duminda Wijeysundera</td>
<td>UHN-TGH</td>
<td>Improving perioperative risk assessment and outcomes: an integrated research program.</td>
<td>$80,000</td>
</tr>
</tbody>
</table>
Education and CPA Merit Awards:

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

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 Fachie 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**

**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

ADRIAN 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

MARCI WĄSOWICZ
- 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

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Faculty Promotions and Recognition


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
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

<table>
<thead>
<tr>
<th>PGY5</th>
<th>Abrishami, Amir</th>
<th>Ho, Clara</th>
<th>Mikhael, Rafeek</th>
<th>Wang, Jane Jing</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Al-Mousay, Zolfakar</td>
<td>Ho, Melissa Wei-Yee</td>
<td>Mu, Alex</td>
<td>Wang, Ruiqing Cindy</td>
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<tr>
<td></td>
<td>Au, Samuel Fook Hang</td>
<td>Jhajj, Prabhjote Singh</td>
<td>Runkle, Bryn Tyson</td>
<td>Woloszyk, Michael</td>
</tr>
<tr>
<td></td>
<td>Bechamp, Robert</td>
<td>Leshchysyn, Eugene</td>
<td>Song, Yuning</td>
<td>Wong, Simon Wai Lun</td>
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<tr>
<td></td>
<td>Bourgeois, Andre</td>
<td>Lorello, Gianni (CIP)</td>
<td>Srikandarajah, Sanjho</td>
<td>Zhou, Taylor</td>
</tr>
<tr>
<td></td>
<td>Ho, Clara</td>
<td>Fraser, Tyler</td>
<td>Moeenalsadat, Mahsa</td>
<td>Talab, Hesham</td>
</tr>
<tr>
<td></td>
<td>Ho, Melissa Wei-Yee</td>
<td>Gleicher, Yehoshua</td>
<td>Noyahr, Lori-Anne</td>
<td>Thakrar, Dipen</td>
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<td></td>
<td>Jhajj, Prabhjote Singh</td>
<td>Goldberg, Neil (CIP)</td>
<td>Peacock, Sharon</td>
<td>Yau, Brian</td>
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<tr>
<td></td>
<td>Leshchysyn, Eugene</td>
<td>Goodick, David</td>
<td>Silva, Marcos</td>
<td></td>
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<tr>
<td></td>
<td>Lorello, Gianni (CIP)</td>
<td>Huang, Alexander</td>
<td>Steinberg, Benjamin (CIP)</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>Khan, James</td>
<td>Sutherland, Ainsley</td>
<td></td>
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</table>

| PGY4 | Baig, Ehtesham | Fraser, Tyler | Moeenalsadat, Mahsa | Talab, Hesham |
|------|Benson, Garrett | Gleicher, Yehoshua | Noyahr, Lori-Anne | Thakrar, Dipen |
|      | Brown, Russell | Goldberg, 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 Haften, 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, Nitan | Rotstein, Alexandra | Sivananthan, Lavarman (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 care 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.

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

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

#### The Hospital for Sick Children
- Aoyama, Kazuysoshi .......... Japan
- Balakrishnan, Sindu .......... India
- Chin, Vannessa .......... Jamaica
- Finnerty, Olivia .......... United Kingdom
- Heather, David .......... Australia
- Howell, Victoria .......... United Kingdom
- Keilman, Jeffrey .......... Canada
- Klonorakis, Jim .......... Canada
- Lam, Mandy .......... Canada
- Laskine-Holland, Marie-Laure .......... Switzerland
- McVey, Mark .......... Canada
- Mauro, Sylvain .......... Switzerland
- Pearson, Annabel .......... United Kingdom
- Richards, Elizabeth .......... Australia
- Tang, Yee Kwan .......... Hong Kong
- Tsang, Maisie .......... Canada
- Seguin, Patrick .......... Canada
- Skelton, Teresa .......... Canada
- Watkins, Jessica .......... Canada

#### Mount Sinai Hospital
- Alrafi, Abdulla .......... Saudi Arabia
- Barrett, Nicholas .......... Ireland
- Correa, Denis .......... United Kingdom
- De Guzman, Cecilia .......... Canada
- Epsztein Kanczuk, Marcelo .......... Brazil
- Jeffery, Andrew .......... Canada
- Le, Nam .......... Canada
- Manickavasagam, Uma .......... United Kingdom
- Oliveira, Katia .......... Brazil
- Patel, Ruchera .......... United Kingdom
- Petrounievitch, Vitali .......... Canada
- Schneider, Andre .......... Brazil
- Subramanian, Chandrasekran .......... United Kingdom
- Tabl, Samar .......... Canada
- Talati, Chiraag .......... United Kingdom
- Varadharajan, Ramesh .......... India
- Vyakarnam, Ramakrishna .......... United Kingdom

#### St. Michael's Hospital
- Al rashidi, Khaled .......... Egypt
- Bitcon, Charles .......... Australia
- Contreras, Maya .......... Ireland
- George, Thomas .......... South Africa
- Gomez Builes, Johana .......... Columbia
- Haley, Christopher .......... United Kingdom
- Hanumanthiah, Deepak .......... India
- Jorgensen, Andrew .......... Australia
- Kelly, Catriona .......... Ireland
- Kim, Saeyeong .......... South Korea
- Lee, Chuan-Wei .......... New Zealand
- Mathers, Jonathan .......... United Kingdom
- McAuliffe, Niamh .......... Ireland
- Mir, Joseph .......... Sweden
- Scott, William .......... Scotland
- Soliman, Waleed .......... Canada
- Taam, Lindsay .......... Canada

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

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

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

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<td>Oct. 29, Nov. 1</td>
<td>Dr. Brian Kavanagh</td>
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<td>Perioperative Trans-esophageal Echocardiography Symposium</td>
<td>Nov. 1-2</td>
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<td>Nov. 11</td>
<td>Dr. Martin Van der Vyver</td>
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<td>Nov. 28</td>
<td>Dr. Adriaan Van Rensburg</td>
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<td>Nov. 30-Dec. 1</td>
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<td>Jan. 24, Mar. 7, June 6</td>
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<td>Ultrasound for Pain Medicine Workshop</td>
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<td>Annual Shields Research Day</td>
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### Future Anesthesia CE courses (2015-2016)

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<td>Ultrasound Workshop for Perioperative Applications</td>
<td>Sept. 4-5</td>
<td><a href="mailto:christine.drane@uhn.ca">christine.drane@uhn.ca</a></td>
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<td>Obstetric Anesthesia, Mount Sinai Hospital</td>
<td>Sept. 18-19</td>
<td><a href="mailto:obanesthesia@mtsinai.on.ca">obanesthesia@mtsinai.on.ca</a></td>
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<td>Malpractice in Pain Medicine, Chestnut Conference Centre</td>
<td>Sept. 19</td>
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<td>8th Annual NANNM IONM Symposium, Montreal</td>
<td>Sept. 25</td>
<td><a href="mailto:lashmi.venkatraghavan@uhn.ca">lashmi.venkatraghavan@uhn.ca</a></td>
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<td>Focused Cardiac Ultrasound Symposium</td>
<td>Oct. 10</td>
<td><a href="mailto:jo.carroll@uhn.on.ca">jo.carroll@uhn.on.ca</a></td>
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<td>Continuous Peripheral Nerve Blocks for Major Orthopedic Surgery</td>
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<td><a href="mailto:shelley.au@sunnybrook.ca">shelley.au@sunnybrook.ca</a></td>
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<td>Critical Care Canada Forum</td>
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<td>Perioperative Trans-esophageal Echocardiography Symposium</td>
<td>Nov. 6-8</td>
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<td>Anesthesia Faculty Development Day</td>
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<td>Pediatric Anesthesia</td>
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<td>Mendelsohn Lecture</td>
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<td><a href="mailto:allison.ho@nygh.on.ca">allison.ho@nygh.on.ca</a></td>
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<td>Toronto Interactive Anesthesia</td>
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<td>Advanced Ultrasound for Pain Medicine Workshop, Toronto Western Hospital</td>
<td>April</td>
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<tr>
<td>Toronto Anesthesia Symposium, Chestnut Residence</td>
<td>April</td>
<td><a href="mailto:david.wong@uhn.on.ca">david.wong@uhn.on.ca</a></td>
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<td>Annual Shields Reserach Day</td>
<td>May 13</td>
<td><a href="mailto:zeev.friedman@uhn.on.ca">zeev.friedman@uhn.on.ca</a></td>
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<td>Regional Anesthesia and Pain Medicine</td>
<td>June</td>
<td>christine.dranefuhr.oh.on.ca</td>
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<tr>
<td>Controversies in Perioperative Medicine</td>
<td>May, 2017</td>
<td><a href="mailto:mark.friedlander@rogers.com">mark.friedlander@rogers.com</a></td>
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Our aim is to plan and implement various program-related initiatives to facilitate the development of our faculty. 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: “Competition 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 SARMAN, 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

November 11th, 2015
10 AM - 3:30 PM
89 Chestnut Residence and Conference Centre, University of Toronto

Keynote Speaker
Dr. Brian Hodges, MD, PhD
"Transformation Lurks, teachers & 21st Century Health Professional Conundrum"

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
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 Coordinators. 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.
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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.
**Peer-Reviewed Publications**


**ALBRECHT E, KERN C, KIRKHAM KR.** Perineural vs intravenous administration of dexamethasone: more data are available. *Br J Anaesth* 114:160, 2015


**AYLING OG, MONTBRIAND J, JIANG J, LADAK S, LOVE L, EISENBERG N, KATZ J, CLARKE H, ROCHE-NAGLE G.** Continuous regional anesthesia provides effective pain management and reduces opioid requirement following major lower limb amputation. *Eur J Vasc Endovasc Surg* 48:559-64, 2014


BANDAYREL K, JOHNSTON BC. Recent advances in patient and proxy-reported quality of life research. Health Qual Life Outcomes 12:110, 2014

BEATTIE WS, HARE GM. Beta-blockers are the old BLACK. Can J Anaesth 61:787-93, 2014


BUSTAMANTE MD, QUINN B, LUCAS D. Robust energy transfer mechanism via precession resonance in nonlinear turbulent wave systems. Phys Rev Lett 113:084502, 2014


DE LANGE DW, WUNSCH H, KESECIOGLU J. Comparing intensive care units by size or level. Intensive Care Med 41:357–9, 2015


DUNCAN EM, CUTHBERTSON BH, PRIOR ME, MARSHALL AP, WELLS EC, TODD LE, BOSLOVER D, NEWLANDS RS, WEBSTER F, ROSE L, CAMPBELL MK, BELLINGAN G, SEPPLET IM, FRANCIS JJ. For the SuDDICU International Study Group. The views of health care professionals about selective decontami-


Everett T, Parker K, Fish J, Pehora C, Budd D, Kelly C, Crawford MW, Hayes J. The construction and implementation of a novel post burn pruritus scale for infants and children aged five years or less: introducing the Toronto Pediatric Itch Scale. J Burn Care Res 36:44-9, 2015

Everett T, Tattersall M. Maintenance of anaesthesia. Anaest Inten Care Med 15:51-5, 2014


Fernandes VT, Ng E, Campisi P. Metal water bottle causing tongue entrapment in a child. CMAJ 186:1091, 2014


Gaires M, Cooper DS, Tabbutt S, Schwartz SM, Ghanyem N, Chanani Nk, Costello JM, Thnganaran Rr, Laussen Pc, Shek-erdemian Ls, Donohue Je, Willis Gm, Gaynor Jw, Jacobs Jp, Ohye Rg, Charpie Jr, Pasquali Sk, Scheurer Ma. Collaborative quality improvement in the cardiac intensive care unit: development of the Paediatric Cardiac Critical Care Consortium (PC4). Cardiol Young 28:1-7, 2014


Goligher Ec, Kavanagh Bp, Rubenfeld Gd, Ferguson Nd. Physiologic responsiveness should guide entry into randomized controlled trials. Am J Respir Crit Care Med 192:1416-9, 2015


**JADAD AR, FANDINO M, LENNOX R.** Intelligent glasses, watches and vests...oh my! Rethinking the meaning of “harm” in the age of wearable technologies. *JMIR MHealth UHealth* 3:e6, 2015


**KHAN J, KATZ J, MONTBRIAND J, LADAK S, MCCLUSKEY S, SRINIVAS C, KO R, GRANT D, BRADBURY A, LEMANACH Y, CLARKE H.** Surgically-placed abdominal...


**Lam T, Singh M, Chung F.** Salt content in IV fluids given intraoperatively may influence postoperative OSA severity. *Sleep* 38:989, 2015

**Laussen PC.** Learning and Evolving (2nd Anthony Chang Lecture, presented at the 10th International Meeting of the Pediatric Cardiac Intensive Care Society, Miami, Florida - Dec 12, 2014). *Cardiol Young* 25:984-90, 2015


**Liu J, Cuthbertson BH, Zou G, Wu Y, Huang M.** The experience and thought in Department of Critical Care Medicine, Sunnybrook Health Sciences Centre, University of Toronto. *Zhonghua Wei Zhong Bing Ji Jiu Yi Xue* 26:761-4, 2014


**Mariappan R, Mehta J, Massicotte E, Nagappa M, Manninen P, Venkatraghavan L.** Effect of superficial cervical plexus block on postoperative quality...


NATHOE HM, VAN KLEI WA, BEATTIE WS. Perioperative troponin elevation: always myocardial injury, but not always myocardial infarction. *Anesthesiology* 119:1014-6, 2014


O’LEARY JD, CRAWFORD MW, JURCZYK E, BUCHAN A. Benchmarking bibliometrics in biomedical research: research performance of the University of Toronto’s Faculty of Medicine, 2008-2012. *Scientometrics* 105:311-21, 2015


SILVERTON N, MEINERI M, DJIAINI G. The controversy of right ventricular systolic pressure: is it time to abandon the pulmonary artery catheter? Anesthesia 70:241–4, 2015


SLINGER P. Acquisition of competence in lung isolation: simulate one, do one, teach... repeat PRN. J Cardiothorac Vasc Anesth 28:861–4, 2014


SUTHERLAND AG, CUTHBERTSON BH, CAMPBELL M. Sham surgery studies. Arthroscopy 30:1389, 2014


TAYLOR K, FERRI S, YAVORSKA T, PARSHURAM C. Prospective audio–recorded resuscitations using hand-held recording equipment are not feasible in a pediatric ICU. MedEdPublish 36:647–9, 2014


important difference has advantages over the relative approach. J Clin Epidemiol 68:888-94, 2015


Non Peer-Reviewed Publications


Chapters in Books


Books


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 – sad or future in medical education”
  - “Gamification in medical education: a systematic review”
  - 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**
  - “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”
  - American Society of Plastic Surgeons Annual Meeting, Chicago, Illinois, October 2014 “Quality of recovery in women undergoing autogenous 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”
- Canadian Anesthesiologists’ Society Annual Meeting, Ottawa, Ontario, June 2015 “Ultrasound for neuraxial blocks”

**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”
- 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, Bolívar, 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) 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 ultrasound station”
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 iliaca/saphenous blocks”

AVILA, A

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

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 uterotonic are better than one”
“Maternal cardiac arrest: hands-on with the simulator”

BHAVAT, A

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

“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 periurethral 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”

Neufield 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 Anaesthetists (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”

“Network metaanalysis 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”
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"

CHANDRA, 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 anesthesia complications"

CHANG, VWS
Meir Medical Center, Tel Aviv, Israel, May 2015
"Ultrasound for regional anesthesia: success & safety"
"Update on ultrasound guided neuraxial block" "Perioperative anesthesia and pain management for total joint replacement surgery - pearls and pitfalls"

CAMPBELL, F
University of Toronto Centre for the Study of Pain-Intrafaculty Pain Curriculum, Toronto, Ontario, March 2015
"Pain: mechanisms and manifestations"

Carr, BTP
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"

“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”

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"
techniques above the clavicle: interscalene and supraclavicular approach”


- 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 “Sonography 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 anatomy 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”


- World Congress of Regional Anesthesia 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”


- 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”


“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?”


- 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”

  “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 Interprofessional 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”

  “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 Anesthesiologists, 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, Mumbia, 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 your 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”

  “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”

  “The SuDICIU 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”

DUFFIN, J
• Critical Care Physiology Rounds Sick Children’s Hospital, Toronto, Ontario, May 2015
  “The importance of 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”
• TIA 2014, Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
  “Management of a complicated parturient on therapeutic anticoagulation”
• TIA 2015, Toronto Interactive Anesthesia, Toronto, Ontario, May 2015
  “Role of hyperbaric oxygen therapy in lower limb salvage in persons with diabetes”
  “Role of transcutaneous oximetry in assessment of the vasculopathy”
• 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 Anesthesia, Winnipeg, Manitoba, April 2015 “Four critical steps for enhancing a perioperative program for awake craniotomy”

- University of Manitoba Neuroanaesthesia Meeting, Winnipeg, Manitoba, April 2015 “Refining anesthetic approaches to improve patient safety in awake craniotomy”

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

- 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”

- 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”

- 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 “Challenges in assessment of chronic pain outcomes Canadian interventional pain course”

- World Academy of Pain Medicine Ultrasoundography and Well Cornell University, New York, New York, June 2015 “Ultrasound in pain medicine course and workshop”

- 12th Congress of International Neurmodulation Society, Montreal, Quebec, June 2015 “Capturing outcomes in neurmodulation of neuropathic pain”

- World Institute of Pain (Benelux), Maastricht, Netherlands, June 2015 “Ultrasound in pain medicine review course and workshop”

- Department of Physical Medicine and Rehabilitation, University of Utah, Park City, Utah, January 2015 “Transdisciplinary biaxiplasty”

- World Academy of Pain Medicine Ultrasoundography International Workshop on Spinal Sonography, Atlanta, Georgia, January 2015 “Ultrasoundography in spine interventions”

- 1st international Congress and Workshops of World Academy of Pain Medicine, Miami, Florida, January 2015 “Ultrasound-guided ablative procedures in MSK”

- Swiss Interventional Pain Society, Montreux, Switzerland, November 2014 “Ultrasoundography in spine interventions”


- 6th Annual International Congress on Spinal and Paraspinal Sonology, Hong Kong, China, October 2014 “Ultrasound-guided sympathetic blocks”

- 6th Annual International Congress on Spinal and Paraspinal Sonology, Hong Kong, China, November 2014 “Ultrasound-guided sympathetic blocks”

- World Institute of Pain, 18th Annual Advanced Pain Conference and Practical Workshop, Budapest, Hungary, August 2014 “Radiofrequency facet denervation”

- “Cadaver workshops”


- GOEPEL, 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 Ultrasoundography and Well Cornell University, New York, New York, June 2015 “Ultrasound in pain medicine course and workshop”

- 12th Congress of International Neurmodulation Society, Montreal, Quebec, June 2015 “Capturing outcomes in neurmodulation of neuropathic pain”

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- World Institute of Pain, 18th Annual Advanced Pain Conference and Practical Workshop, Budapest, Hungary, August 2014 “Radiofrequency facet denervation”

- “Cadaver workshops”


- 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”

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 Ultrasoundography, Miami, Florida, January 2015
  “Ultrasoundography for intrathecal pump refill”
- Society of Colombian Anesthesiologists Annual Congress, Colombia, June 2015
  “Ultrasound education in pain medicine”
  “Intravenous infusions in pain medicine”

“Ultrasoundography for pain medicine procedures workshop”

HARE, G
  “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”
- 2014 Annual Meeting, Ottawa, Ontario, September 2014
  “A new approach to the difficult airway in obstetrics including systematic review and decision analysis”
  “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 Days, 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”
- College of Anesthetists Ireland, Dublin, Ireland, March 2015
  “ACHD non-cardiac surgery and ICU”
- 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”
“Preparing 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”

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, Bogotá, Distrito Capital de Bogotá, Colombia, June 2015
“Design thinking and health: re-imaging research, education and health”
Centre for Design and Innovation, Bogotá, Distrito Capital de Bogotá, Colombia, June 2015
“Creating a healthy, happy and sustainable corporation”

ASMEDAS Annual Conference 2015, Bogotá, 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 último suspiro de la vida: el internet y otras tecnologías”

XXVI National Congress of the National Association of Family Compensation Funds, ASOCAJAS, Cartegena, Bolivar, 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, Medellín, Antioquia, Colombia, August 2014
“Innovaciones GRIN: reinventando la empresa en el siglo XXI”

GESTARSLUD, 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 heat 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”

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

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”
“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
  “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?”

- Canadian Critical Care Conference, Toronto, Ontario, October 2014
  “Workshop instructor”
- Hamad Medical Corporation, Doha, Al Wakrah, Qatar, November 2014
  “Anesthesia for minimal access surgery anesthesiology”
  “Anesthesia for airway and esophageal endoscopy”

- Department of Vascular Surgery, 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”

KHANDIA, 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

KARLI, 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”

- 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?”
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  “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”
“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”

KRIUSSELBRINK, 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”

LAFFEY, 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”
- 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”
- CCF / 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?”

MANSON, I
  “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 “
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 remifentanil 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”
- University of Sao Paulo, Sao Paulo, Sao 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?”

MARTIN, R
- OB Anesthesia Conference, University of Toronto, Toronto, Ontario, September 2014 “Current controversies in the prevention of postdural puncture headache”

MARSÉU, 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 anesthesiology”
- 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 Corporation, Doha, Qatar, February 2015 “Competence based training and maintenance of competence in future medical education”

MAZER, CD
- Department of Anesthesia, Queens University, Kingston, Ontario, January 2015 “Issues in perioperative bleeding, transfusion and hemostasis” “Cardiogenic shock IABP antplatelet 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 (ANZCTS) 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 (ICCVA) 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”

MCDONELL, 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 Anesthesia, University of Saskatchewan, Saskatoon, Saskatchewan, January 2015
“Ethics and 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”

MEINERI, 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”

MORENO, J
- The CAS 2015 Annual Meeting, Ottawa, Ontario, June 2015
“Best cardiovascular and thoracic cases of the year: lung US for lung lavage”
- 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”

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”

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’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”
- Grand Rounds, Department of Anesthesia, University of Manitoba, Winnipeg, Manitoba, September 2014
  “Leadership in medicine: practical steps to disruptive innovation”

ORSER, B
- GABA Workshop, CAMH, Toronto, Ontario, July 2015
  “GABA 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”

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”
- 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 (SIMPAR), 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 pain”
- 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”

PRABHU, A
- 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?”

PRONOVOST, PA
- 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 (RCPSC) 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, 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”

  “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
  “Polysonomography (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”
• American Society of Anesthesiologists Annual Meeting, New Orleans, Louisiana, October 2014
“One-lung ventilation”
“Advances in lung isolation for thoracic anesthesia”
“Preoperative assessment for pulmonary resection”
“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”
• Toronto Interactive Anesthesia, Toronto, Ontario, November 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”

Soneji, N
• 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”

Snyman, A
• Toronto Interactive Anesthesia, Toronto, Ontario, November 2014
“FOCUS ultrasound views workshop”
• OMA, Toronto, Ontario, September 2014
“FOCUS ultrasound views workshop”

Srebrenjak, 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”

Remediation of residents in need: supporting faculty using a team approach to the identification and diagnosis of and interventions for residents in need”
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”
“COQ 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”

Soneji, N
• American Society of Regional Anesthesia (ASRA), Chicago, Illinois, June 2015
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• 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
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• OMA, Toronto, Ontario, September 2014
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Srebrenjak, M
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• Anesthesia Grand Rounds, Trillium Health Partners, Mississauga, Ontario, May 2015
“Managing the parturient with a platelet count of 80,000”

T
place: 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”
“Mitrail regurgitation”
- International Congress of Cardiothoracic and Vascular Anesthesia (ICCVA), Florence, Italy, September 2014
“Perioperative management of heart transplantation”

VENKATRAMHIAN, 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”

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 (ICCVA), Washington, DC, April 2015
“RV failure during LVAD 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 in 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”
- 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
  “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”
- 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”
  “Avoiding post-intensive care syndrome”
  “Avoiding post-intensive care syndrome”
- 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”
  “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”
- 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”

YEE, D
  “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”
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

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

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

2014-2015
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 Baliki

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 Baliki
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

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
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: 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 Isaranuwatchai, 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, V Chan, V Bril, JT Lau
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, M Simmonds, S Tupper, 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 Ruiter, 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

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-TID 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: P 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 Streimer

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 Djaiani  
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 Okraienec, MA Aarts, N Siddiqui, L Gottlib 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 Djaijani, 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 Mc Gillion  
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 Styrka, 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 Wijeyasury, 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 Therapeudica

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 Isaacs  
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 Laloo, 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 Finner, 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 Wijeysundera, C Harindra

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: $190,000
Principal Investigator: J Fisher
Co-Investigator: 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

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
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 Zimmermann

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

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

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

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 in health care, technology and policy
Amount: $1,950,000
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: Plasma concentrations and pharmacokinetics in patients with renal impairment undergoing cardiopulmonary bypass surgery
Amount: $90,658
Principal Investigator: A Jerath

2009-2015
Heart and Stroke Foundation of Canada, Grant-in-Aid
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
University Health Network – Mount Sinai University, Academic Medical Organization Alternate Funding Plan
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 Pawliszyn, S Pang, D Wijeyesundera, J Granton, D Urbach

K

KARKOUTI, K 2014-2016 Canadian Institutes of Health Research Title: Evaluation of 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

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: $306,530 Principal Investigator: J Katz Co-Applicants: F Campbell, L Isaac, AL Martin, G Pagé, J Stinson Collaborators: J Wright, DJ Flora, L Cooper


2014-2015 Hamilton Academic Health Sciences Organization Title: Evaluating 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: $1,250,000 (USD) Principal Investigator: J Katz Co-Applicants: F Campbell, L Isaac, AL Martin, G Pagé, J Stinson Collaborators: J Wright, DJ 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 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
Principal 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

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 Wijeysundera, P Tenenbein, M Mamdani, J Hoch, W Isaranuwatchai, 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

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 immune-stimulants
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: 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 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: Risk assessment using non-invasive measurements in post-operative pediatric patients
Amount: $498,191 (USD)
Principal Investigator: P Laussen

Collaborators: P Houston, B Pollard, V Chan, C McCartney
M

MATAVA, C
2015
Perioperative Services, Hospital for Sick Children, Perioperative Services Innovation Grant
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 Research
Program
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
Program
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

2015
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
Program
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
Program
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
Program
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
Program
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 Wijeyesundera, J Granton, D Urbach

2013-2014
The Hospital for Sick Children, Internal Seed Grant, Department of Anesthesiology & Pain Medicine
Program
Title: EasyDoselt: Development of a dose checking app
Amount: $10,000
Principal Investigator: C McDonnell
Collaborator: R Roy

2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
Program
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

2013-2015
Sunnybrook Health Sciences
Program
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

MCHARDY, P
2015-2017
Sunnybrook Health Sciences
Program
Title: Linear Feedback Control of a Robotic Needle System to Achieve Congenital Airways Stenosis: Focus on “upstream” vascular access
Amount: $500,000
Principal Investigator: P Karanicolas
Collaborators: A Wei, P McHardy, S Cleary, S McCluskey, A Kiss, R Behman, J Lam-McCulloch

2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
Program
Title: Development of a decision rule for discharging patients following colorectal surgery based on postoperative Serum C Reactive Protein and/or Procalcitonin levels
Amount: $4,000
Principal Investigator: I McGhee
Collaborator: J Gleicher

MCDONNELL, C
2013-2015
The Hospital for Sick Children, Internal Seed Grant, Department of Anesthesiology & Pain Medicine
Program
Title: EasyDoselt: Development of a dose checking app
Amount: $10,000
Principal Investigator: C McDonnell
Collaborator: R Roy

MCGHEE, I
2013-2014
Canadian Patient Safety Institute
Program
Title: Improving cardiac OR to ICU handover using a standardized process
Amount: $4,000
Principal Investigator: I McGhee
Collaborator: J Gleicher

MAYNES, JT
2014-2017
Heart and Stroke Foundation of Ontario, Grant in Aid
Program
Title: Progressive pulmonary vein stenosis: Focus on “upstream” vasculopathy
Amount: $253,000
Principal Investigator: JT Maynes
Collaborator: J Coles

2013-2015
Canadian Institute of Health Research
Program
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
Program
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 Wijeyesundera, J Granton, D Urbach

2013-2015
The Hospital for Sick Children, Internal Seed Grant, Department of Anesthesiology & Pain Medicine
Program
Title: EasyDoselt: Development of a dose checking app
Amount: $10,000
Principal Investigator: C McDonnell
Collaborator: R Roy

2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
Program
Title: Development of a decision rule for discharging patients following colorectal surgery based on postoperative Serum C Reactive Protein and/or Procalcitonin levels
Amount: $4,000
Principal Investigator: I McGhee
Collaborator: J Gleicher

2013-2015
Sunnybrook Health Sciences
Program
Title: Linear Feedback Control of a Robotic Needle System to Achieve Congenital Airways Stenosis: Focus on “upstream” vascular access
Amount: $500,000
Principal Investigator: P Karanicolas
Collaborators: A Wei, P McHardy, S Cleary, S McCluskey, A Kiss, R Behman, J Lam-McCulloch

2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
Program
Title: Development of a decision rule for discharging patients following colorectal surgery based on postoperative Serum C Reactive Protein and/or Procalcitonin levels
Amount: $4,000
Principal Investigator: I McGhee
Collaborator: J Gleicher

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University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
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2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
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Principal Investigator: I McGhee
Collaborator: J Gleicher

2013-2015
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Collaborators: A Wei, P McHardy, S Cleary, S McCluskey, A Kiss, R Behman, J Lam-McCulloch

2013-2015
University Health Network – Mount Sinai Hospital, Alternative Funding Plan Innovation Fund
Program
Title: Development of a decision rule for discharging patients following colorectal surgery based on postoperative Serum C Reactive Protein and/or Procalcitonin levels
Amount: $4,000
Principal Investigator: I McGhee
Collaborator: J Gleicher
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 Wijesundara, M Crawford

2014-2016
SickKids Heart Centre, Innovation Fund
Title: The protective effect of the α2-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

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

2014-2016
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

2014-2016
Ontario Ministry of Health and Long-Term Care
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

2013-2016
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
### 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

### 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

### RIAZI, S
#### 2014-2019
National Institute of Health, National Institute of General Medical Sciences  
**Title:** Roles of calsequastrin in the control of calcium signals in health and disease  
**Amount:** $750,000  
**Principal Investigator:** E Rios  
**Collaborator:** S Riazi

### 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

### RINGSTED, C
#### 2014-2017
TrygFonden, Denmark  
**Title:** Optimizing training of lumbar puncture skills  
**Amount:** $1,555,425 (DKK)  
**Principal Investigator:** MJV Heniksen  
**Collaborators:** LV Schroeder, L Konge, C Ringsted

### 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 Tarshis

### SPODAFORDA, 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

### 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: 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

W
WAŚOWICZ, M
2014-2015
Physicians Services Incorporation
Title: Investigation of metabolomics profiling in patients with malignant hyperthermia
Amount: $66,000
Principal Investigator: S Riazi
Collaborators: M Waśowicz, B Bojko, J Parness, D Maclellan

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 Wijeyasurya, T Yau, J Pawisyn, 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 Wijeyasurya

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 Wijeyasurya, R Brull

2014-2016
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 Wijeyasurya, BH Cuthbertson
Collaborators: J Granton, P Oh, WS Beattie, R Brull, C McCartney, CD Mazer, HC Wijeyasurya, M Mamdani, K Thorpe

2012-2016
University Health Network – Mount Sinai Hospital, 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 SeXX
Amount: $35,000
Principal Investigator: R Gandhi
Collaborators: AV Perruccio, V Chandran

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 Wijeyasurya, BH Cuthbertson
Collaborators: J Granton, P Oh, WS Beattie, R Brull, C McCartney, CD Mazer, HC Wijeyasurya, 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 Wijeyasurya, M De Perrot, L Singer
<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Investigator(s)</th>
<th>Collaborators</th>
<th>Funded by</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2015</td>
<td>Prehabilitation for prostate cancer surgery</td>
<td>Principal Investigator: D Santa Mina</td>
<td>H Clarke, SMH Alibhai, P Ritvo, F Carli, C Guglietti, L Stefanyk, J Trachtenberg, AG Matthew, DN Wijesundera</td>
<td>University of Toronto, Academic Health Sciences</td>
<td>$21,239</td>
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<tr>
<td>2013-2015</td>
<td>Multicentre, pilot randomized controlled trial to examine the effects of prehabilitation on functional outcomes after radical prostatectomy</td>
<td>Principal Investigator: A Jerath Collaborators: DN Wijesundera, K Karkouti, M Wasowicz</td>
<td></td>
<td>Prostate Cancer Canada, Movember Discovery Grants</td>
<td>$176,069</td>
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<tr>
<td>2013-2015</td>
<td>Prevention Of Delirium in Elderly with Obstructive Sleep Apnea (PODESA)</td>
<td>Principal Investigator: J Wong Collaborators: F Chung, S Choi</td>
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<td>Sunnybrook Alternative Funding Plan Innovation Fund</td>
<td>$89,000</td>
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<tr>
<td>2015-2016</td>
<td>Development of an innovative opioid safety program in pain clinics (Op-Safe): A multi-centre project</td>
<td>Principal Investigator: J Wong Collaborators: F Chung, C Ryan, A Bhatia</td>
<td></td>
<td>Academic Health Sciences Centre Alternative Funding Plan Innovation Fund</td>
<td>$193,404</td>
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<tr>
<td>2013-2015</td>
<td>Use of volatile anesthetics for long-term sedation in critically ill patients</td>
<td>Principal Investigator: A Jerath Collaborators: M Wasowicz, A Steel, DN Wijesundera, N Ferguson, CD Mazer, V Rao</td>
<td></td>
<td>Ontario Ministry of Health and Long-Term Care, Alternative Funding Plan Innovation Funds</td>
<td>$5544</td>
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<tr>
<td>2013-2015</td>
<td>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</td>
<td>Principal Investigator: J Wong Collaborators: F Chung, Z Friedman, R Davey, P Selby</td>
<td></td>
<td>Canadian Institutes of Health Research, China-Canada Joint Health Research Initiative Grant</td>
<td>$178,584</td>
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<tr>
<td>2013-2015</td>
<td>Study Of Delirium In Elderly With Obstructive Sleep Apnea (PODESA)</td>
<td>Principal Investigator: J Wong Collaborators: F Chung, S Choi</td>
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<td>Canadian Institutes of Health Research, Operating Grant</td>
<td>$189,225</td>
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<td>2011-2014</td>
<td>Treatment intensity and outcomes for critically ill patients</td>
<td>Principal Investigator: H Wunsch</td>
<td></td>
<td>Columbia University, Irving Scholars Program</td>
<td>$180,000</td>
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<tr>
<td>2011-2016</td>
<td>Animal studies of ventilator-induced lung injury</td>
<td>Principal Investigator: H Zhang</td>
<td></td>
<td>Canadian Institutes of Health Research, Operating Grant</td>
<td>$5544</td>
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<tr>
<td>2010-2015</td>
<td>Mechanisms of ventilator-induced pulmonary fibrosis and its therapy</td>
<td>Principal Investigator: H Zhang</td>
<td></td>
<td>Canadian Institutes of Health Research (CIHR), CIHR Operating Grant</td>
<td>$798,747</td>
</tr>
</tbody>
</table>
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 (VolulyteTM) 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

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

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 Wijeysundera

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
Collaborators: 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
<table>
<thead>
<tr>
<th>M</th>
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<th>R</th>
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</thead>
<tbody>
<tr>
<td>MCCLUSKEY, S</td>
<td>O’LEARY, J</td>
<td>RINGSTED, C</td>
<td>ZHANG, H</td>
</tr>
<tr>
<td>Masimo Corporation</td>
<td>Department of Diagnostic Imaging, Hospital for Sick Children, Department of Diagnostic Imaging Research Awards 2014</td>
<td>The Capital Region of Denmark</td>
<td>National Science Foundation, Operating Grant</td>
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<tr>
<td>Title: The effects of continuous hemoglobin and Plethysmographic Variability Index (PVI) monitoring on perioperative transfusion, fluid management, and outcomes</td>
<td>Title: The effect of high energy exposure during magnetic resonance imaging on lymphocyte DNA integrity in children</td>
<td>Title: Simulation-based postgraduate training</td>
<td>Title: Targeting the signaling of human neutrophil peptides in lung injury</td>
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<tr>
<td>Amount: $100,000</td>
<td>Amount: $3000</td>
<td>Amount: $4,000,000 (DKK)</td>
<td>Amount: $145,000</td>
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<tr>
<td>Principal Investigator: K Karkouti</td>
<td>Principal Investigator: J O’Leary</td>
<td>Principal Investigator: L Konge</td>
<td>Principal Investigator: H Zhang</td>
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<tr>
<td>Collaborators: M Machina, S McCluskey</td>
<td>Collaborators: M Shroff, JT Maynes</td>
<td>Collaborator: C Ringsted</td>
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<tr>
<td>Council of Academic Hospitals of Ontario, Adopting Research to Improve Care</td>
<td>Hospital for Sick Children, Perioperative Services Innovation Fund</td>
<td></td>
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<tr>
<td>Title: Enhanced recovery after surgery: colorectal surgery</td>
<td>Title: A multidimensional strategy to improve the quality of the pre-briefing component of the SickKids surgical safety checklist</td>
<td></td>
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<tr>
<td>Amount: $1,300,000</td>
<td>Amount: $10,000</td>
<td></td>
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<tr>
<td>Principal Investigator: R McLeod</td>
<td>Principal Investigator: J O’Leary</td>
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</tr>
<tr>
<td>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.</td>
<td>Collaborators: M McDonnell, GR Baker, D Bagli</td>
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<tr>
<td>2009-2015</td>
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<tr>
<td>National Institute of Diabetes and Digestive and Kidney Diseases</td>
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<tr>
<td>Title: Adult to adult live liver transplantation</td>
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<td>Amount: $1,470,000</td>
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<tr>
<td>Principal Investigator: D Grant</td>
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<tr>
<td>Collaborator: S McCluskey</td>
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<tr>
<td>2012-2015</td>
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<tr>
<td>Canadian Anesthesiology Society, Baxter Corporation Canadian Research Award in Anesthesia</td>
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<tr>
<td>Title: Evaluating Precision of Therapy – Milrinone TDM</td>
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<td>Amount: $20,000</td>
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<tr>
<td>Principal Investigator: K Taylor</td>
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<tr>
<td>Collaborator: C Parshuram</td>
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<tr>
<td>2013-2014</td>
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<tr>
<td>Hospital for Sick Children Innovation Fund</td>
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<tr>
<td>Title: A qualitative study of ‘outer-loop’ communications in resuscitations</td>
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<td>Amount: $5,400</td>
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<tr>
<td>Principal Investigator: K Taylor</td>
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<tr>
<td>Collaborators: B Mema, S Ferri, C Hyslop</td>
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</tr>
</tbody>
</table>

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

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: $20,000
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
Collaborator: B Mema, S Ferri, C Hyslop