



**The Ottawa  
Hospital** | **L'Hôpital  
d'Ottawa**  
RESEARCH  
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RECHERCHE



uOttawa

### Curriculum Vitae

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**Timothy O. Ramsay, PhD**

**Senior Scientist**, Clinical Epidemiology Program,  
Ottawa Hospital Research Institute

**Scientific Director**, Ottawa Methods Centre

**Associate Professor**, School of Epidemiology and Public Health,  
Faculty of Medicine, University of Ottawa

The Ottawa Hospital, General Campus,  
Centre for Practice-Changing Research, Office L1271  
501 Smyth Rd., Box 201B, Ottawa, Ontario K1H 8L6  
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Executive Assistant: (613) 737-8899 Ext. 79842 ([jpeters@ohri.ca](mailto:jpeters@ohri.ca))

**H-Index: 40****Degrees:**

Ph.D. Statistics, Queen's University, Kingston, ON, Canada, 2000  
 M.Sc. Mathematics, Queen's University, Kingston, ON, Canada, 1995  
 B.Sc. Mathematics, Queen's University, Kingston, ON, Canada, 1993

**Additional Courses:**

2010 Good Clinical Practice, Ottawa Hospital Research Institute  
 2008 Interagency Advisory Panel on Research Ethics, Introductory Tutorial for the Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS)

**Employment History:**

2018- Associate Professor, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa  
 2015- Senior Scientist, Clinical Epidemiology Program, Ottawa Hospital Research Institute  
 2009- Scientific Director, Ottawa Methods Centre, Ottawa Hospital Research Institute  
 2009-2010 Acting Director, Ottawa Methods Centre, Ottawa Hospital Research Institute  
 2008-2015 Scientist, Ottawa Hospital Research Institute  
 2008- Associate Director, Training and Education of Clinical Epidemiology Program  
 2006-2008 Associate Scientist, Ottawa Health Research Institute  
 2005-2007 Principal Scientist, Institute of Population Health  
 2004-2018 Assistant Professor, University of Ottawa  
 2001-2005 Research Associate and Affiliate Scientist, McLaughlin Centre for Population Health Risk Assessment  
 1999-2001 Survey Methodologist, Statistics Canada

**Honors/Awards**

2010 Ontario Early Researcher Award, Recognition – University of Ottawa  
 2005 NSERC/SSHRC Junior Chair in Quantitative Risk Assessment  
 2001 Pierre Robillard Award, from the Statistical Society of Canada for best thesis of the year  
 1998 Ontario Graduate Scholarship in Science and Technology

**Scholarly and Professional Activities:**

August 28, 2020 **External reviewer**, nominate a candidate for Clinical Scholar, Department of Critical Care  
 January 2018 - present **Member**, Clinician Investigator Program Committee (CIP)  
 2014 – present **Scientific Officer (SO)**, Randomized Control Trials (RC1) review committee

January 2016-present	<b>Editorial Board member</b> , Canadian Institute of Mining, Metallurgy and Petroleum Journal (CIM)
2015 (current)	<b>Assistant Editor</b> , Clinical & Investigative Medicine (CIM) Journal
February 2015 – Jan 2017	<b>Editorial Board member</b> , Canadian Journal of Anesthesia
January 2015-present	<b>Member</b> , Clinical Research Governing Council, Ottawa Hospital Research Institute
Oct 2014-present	<b>Member (Role: Statistician)</b> , Clinical Grant Review Panel, Heart and Stroke Foundation (HSF)
December 2012	<b>Member</b> , OGS Evaluation Committee, Department of Epidemiology and Community Medicine, University of Ottawa
2010-present	<b>Member</b> , Core Facilities for Bioinformatics/Research Methods
2009-present	<b>Member</b> , OHRI Research Day Planning committee
2009-present	<b>Member</b> , School of Epidemiology and Public Health, Graduate Studies Committee, University of Ottawa
2009-present	<b>Member</b> , Transfusion Medicine Residency Training Program
2009-present	<b>Member</b> , Ottawa Hospital, Research Ethics Board
2006	<b>Reviewer</b> , Review Panel for Health Effects Institute RFA 05-1A
2005-2006	<b>Associate Editor</b> , Stochastic Environmental Research and Risk Assessment
2005-2006	<b>President</b> , Statistical Society of Ottawa
2004-2005	<b>Vice President</b> , Statistical Society of Ottawa.
2004	<b>Member Expert panel</b> for peer review of Update Documents in support of Canada-Wide Standards for Particulate Matter and Ozone, Environment Canada.
May 2004	<b>Invited consultant.</b> Interim meeting of PAPA (Public health and Air Pollution in Asia) data analysis team. Health Effects Institute annual meeting, Boston, MA.

**Memberships**

2010 – present	Society for Clinical Trials
2010 - present	Statistical Society of Canada
2009 – present	International Society for Clinical Biostatistics
2005-2006	President, The Statistical Society of Ottawa
2004-2005	Vice president, The Statistical Society of Ottawa

**DSMB Committee Member:**

September 2020 (current)	<b>DSMB member:</b> “The Surveillance AFter Extremity Tumor surgery (SAFETY)” (PI: Michelle Ghert, McMaster University)
September 2019 (current)	<b>DSMB Chair:</b> “Soft-tissue quadriceps autograft ACL-reconstruction in the skeletally-immature vs. hamstrings (SQuASH) pilot trial.” (PIs: Darren de SA & Olufemi Ayeni)

- December 2018 (current) **DSMB member:** “Crystalloid FLUID Choices for Resuscitation of Hospitalized Patients: A Pragmatic Cluster Cross Over Pilot Trial.” (PI: Lauralyn McIntyre)
- June 18-December 2018 **DSMB Chair:** “Pediatric Fecal Transplant for ulcerative Colitis (FETCh) Trial. (PI: Dr. Nikhil Pai, McMaster Children’s Hospital)
- January 2018-present **DSMB member:** “A randomized controlled trial to compare a 1-dose vs. 2-dose priming schedule of 13-valent pneumococcal conjugate vaccine in Canadian infants; a Canadian Immunization Research Network (CIRN) study” (PIs: Manish Sadarangani and Otto Vanderkooi)
- July 2017-present **DSMB Chair:** “Vedolizumab treatment in antiretroviral drug treated chronic HIV infection” – Phase 2 study (PI: Bill Cameron)
- June 2017-present **DSMB member:** “A Multi-modal Intervention in Frail Patients Undergoing Hip Replacement: the Fit-Hips Pilot Randomized Controlled Trial” (PI: Lehana Thabane)
- April 2017-November 2020 **DSMB Chair:** “Feasibility and Safety of Immunoglobulin Prophylactic Treatment in COPD Patients with Frequent Exacerbations: A Pilot Study (IPRAC)” (PI: Juthaporn Cowan)
- February 2017-present **DSMB member:** Pediatric Intensive Care Ulcer Prevention (PIC-UP): A multicentre pilot trial (PI: Mark Duffet)
- December 2016-present **DSMB member:** Acceptability, completion rates and cost effectiveness of a new 12 dose treatment (3 months) compared to the standard treatment for latent TB infection treatment (Taima TB 3HP Study) (PI: Gonzalo Alvarez)
- July 2016 – present **DSMB member:** “Canadian Australasian Randomized Trial of Screening for Coronary Artery Disease in Kidney Transplant Candidates (CARSK)” (PI: John Gill)
- February 2016-present **DSMB member:** “Endoscopic Polypectomy performed In Clinic for chronic rhinosinusitis with polyps: Pilot Study of The EPIC Randomised Controlled Trial” (PI: Shaun Kilty)
- Feb. 2016-December 2018 **DSMB member:** “COMPASS (Cardiovascular Outcomes for People Using Anticoagulant Strategies)”

- April 2015- December 2018 **DSMB member:** “A Pilot Study to Assess the Feasibility of a Future Randomized, Double-Blinded, Placebo-Controlled Trial to Investigate the Role of Intra-Peritoneal Ropivacaine in Gastric Bypass Surgery” INOPAIN Study
- April 2010- December 2017 **DSMB Member,** “Hip Fracture Evaluation with Alternatives of Total hip arthroplasty versus Hemiarthroplasty: A Multi-Centre Randomized Trial Comparing Total Hip Arthroplasty and Hemi-Arthroplasty on Secondary Procedures and Quality of Life in Patients with Displaced Femoral Neck Fractures. (HEALTH) (PI: Mohit Bhandari, McMaster University)

### **Student Supervisions**

Completed: 21 MSc; 6 PhD / In Progress: 2 MSc; 2 PhD

- 03/2021 **John Brooks**, MSc Epi, University of Ottawa  
Project: Differentiating infectious and inflammatory vasculitis.
- 10/2020 **Ronda Lun**, MSc Epi, University of Ottawa  
Project: Predictors of Outcomes after Stroke
- 05/2020 **Aqeel Mohammad Baqar**, MSc Epi, University of Ottawa  
Award: Master’s Graduate Scholarship. \$6000/year. 09/2019-08/2020  
Project: Neural tube defects with anomalies of other systems and it’s based on a European database
- 08/2019 (current) **Sadia Jama**, Phd Epi  
Project: A Healthy People Initiative Trial: Building the Socio-Economic Capital of Low Income Population At-Risk for HIV and Hepatitis-C
- 04/2019 (current) **Reuben Douma**, MSc Epi  
Project: The impact of physician fee codes on laparoscopic hysterectomy practice in Canada: an interrupted time series analysis
- 09/2017-08/2019 **Vignan Yogendrakumar**, MSc Epi  
Project: Improving our Ability to Define and Predict Hematoma Expansion in Hemorrhagic Stroke: A Detailed Analysis of Prospective Intracerebral Hemorrhage Cohorts.
- 07/2016-06/2017 **Nick Fergusson**, MSc, Epi  
Project: Alternative surrogate endpoints & analysis techniques in kidney disease trials: Do they impact trial conclusions?

- 06/2016 (current) **Mina Salamatmanesh, PhD**  
Project: Hearing aid use in the early intervention of infants diagnosed with hearing impairment and family support to improve use.
- 05/2016-10/2017 **Michael Pugliese, MSc**  
Project: Mobile tablet-based therapy following stroke.
- 05/2016-08/2018 **Emma Grigor, MSc, Epi**  
Project: Safer Sleep: A New Diagnostic Algorithm for the Evaluation of Obstructive Sleep Apnea
- 12/2014 - 08/2016 **Serena Laura Orr, MSc Epi**  
Project: The Pharmacologic Prophylaxis of Pediatric Migraine: A Systematic Review and Design of a Randomized Controlled Trial
- 11/2013 - 2015 **Liz Darling, MSc**  
Project: The impact of the implementation of the CPS hyperbilirubinemia guidelines in Ontario.
- 09/2013- 2015 **Sabrina Omar, MSc Epi**  
Project: The Impact of the 2008 Global Financial Crisis on the Health of Canadians: Using data from 2007-2013 Canadian Community Health Surveys
- 1/2013 - 2015 **Jelena Ivanovic, PhD Epi**  
Project: Quality and patient safety in surgery: Clinical applications and critical appraisal of a prospective, standardized, and comprehensive system for monitoring and reporting post - operative adverse events
- 11/2013-3/2014 **Claudia Sarbu, MSc, Epi.**  
Project : Evaluation of the Canadian Forces injury surveillance pilot project in Valcartier, Quebec
- 3/2012 – 9/2013 **Lorelle Weiss, MSc, Epi**  
Project: Triclosan: Source Attribution and Temporal Variability in Exposure among Pregnant Women in Canada
- 3/2012 -3/2014 **Amanda Van Beinum, MSc, Epi.**  
Project: Withdrawal of life sustaining technology: Processes and patterns of death in the Intensive Care Unit
- 4/2012 -3/2013 **David Williams, PhD (Population Health)**

Project: Accounting for the Distribution of Adverse Birth Outcomes in Ontario:  
A Hierarchical Analysis of Provincial and Local Outcomes

- 9/2011-11/2014 **Yoko Sachin Schreiber**, MSc, Epi  
Project: The Impact of Mobility and Migration on Health-Related Risk and Vulnerability among People Who Use Drugs in Ottawa-Gatineau
- 4/2009 -1/2011 **Jelena Ivanovic**, MSc. Epi  
Project: Evaluation of Surgical Quality with a Focus on the Standardized Monitoring of Peri-Operative Thoracic Morbidity and Mortality
- 4/2009 -1/2013 **Jenna Wong**, MSc Thesis  
Project: Generating cardiovascular risk profiles for seniors.
- 6/2009 – 6/2011 **Liliana Yonadam**, MSc Epidemiology and Community Medicine  
Project: Diet Quality and Body Mass Index in 4 and 6 Year Old Children: A Prospective Study Using Data from the Quebec Longitudinal Study of Child Development (Role: Co-Supervisor)
- 9/2010 – 9/2012 **Ania Syrowatka**, MSc Epidemiology  
Project: Understanding the role of the Ottawa ankle rules in physicians' radiography decisions: A social judgement analysis approach (Role: Co-Supervisor)
- 4/2008- 7/2012 **Lisa Rambout**, MSc Epidemiology  
Project: A Novel Approach Using the Dynamic and Relational Features of a Geographic Information System (GIS) to Guide Health Promotion Planning for Preventative Human Papillomavirus (HPV) Vaccination among Adolescent School Girls in Ontario.
- 9/2008- 7/2011 **Martha Louzada**, MSc Epidemiology  
Project: Evaluating Risk for Recurrent Venous Thrombosis in Patients with Malignancy.
- 9/2007-6/2010 **Daniela Ichim**, MSc Epidemiology  
Project: Uncontrolled Blood Pressure Among Hypertensive Older Adult Patients in Family Practice Settings: The Contribution of Physician and Patient Characteristics (Role: Co-Supervisor)
- 1/2007- 6/2010 **Bruce Libman**, MSc Epidemiology  
Project: Development of a Methodology to Use Geographical Information Systems and Administrative Data to Measure and Improve Inequity in Health

Service Distribution (Role: Principal Supervisor)

- 2007-02/2009 **Nawal Farhat**, MSc Epidemiology  
Project: The association of ozone and fine particulate matter with mortality and hospital admissions in 12 Canadian cities (Role: Co-Supervisor)
- 4/2007- 12/2009 **Fabiola Tatone-Tokuda**, MSc Epidemiology  
Project: Examining the association between sleep duration, diet and body mass index in Quebec children (Role: Co-Supervisor)
- 9/2006-4/2008 **Megan Carter**, MSc Epidemiology  
Project: Obesity and academic performance of Canadian school children: a prospective study using the first five waves of the National Longitudinal Survey of Children and Youth (Role: Co-Supervisor)
- 9/2005-11/2007 **Marisol Betancourt Cruz**, MSc Epidemiology  
Project: Derivation and internal validation of a clinical prediction rule to identify patients with low risk of recurrent venous thromboembolism who can discontinue oral anticoagulants after five to seven months of treatment for unprovoked venous thromboembolism. (Role: Co-Supervisor)
- 6/2004 – 5/2008 **John Houle**, PhD Computer Science, Carleton University  
Project: A differential gene expression algorithm for comparative microarray analysis (Role: Principal Supervisor)
- 2002-2007 **Hwashin Shin**, PhD, Epidemiology  
Project: Optimal designs for calibration of orientations: Censored exposure measurements in the National Dose Registry.

### **Mentoring**

- Nov 2013 – present **Sanjay Murthy** (Department of Medicine)
- 2003 – 2007 **Sylvia Ralphs-Thibodeau**, MSc Epidemiology  
Project: An Examination of the Impact of Ontario's Patient Restraint Minimization Act, 2001 on the Use of Physical and Chemical Restraints Among
- 2003-2005 **Krista Louie**, MSc Epidemiology  
Project: The relationship between short-term exposure to gaseous air pollutants and cardiovascular morbidity and mortality in the elderly population in Vancouver, British Columbia



**Thesis Advisory Committee**

- April 14, 2020      **Mary Scott**, MSc, Epi, University of Ottawa  
Project: The Last Call; Physicians who deliver house calls at the end of life  
Role: TAC member
- December 17, 2019      **Jay Logan**, PhD, Epi, University of Ottawa  
Project: Impacts of Urban Landscape Change on Lyme Disease Risk in Ottawa,  
Ontario  
(TAC member)
- December 19, 2018      **Yamei Yu**, PhD Epi  
Project: Nutrition during prenatal and early life and the prevention of excess  
weight in Chinese children: The SCHeLTI Project  
Role: TAC member
- July 19, 2018      **Vid Bijelic**, MSc Epi, Research paper, University of Ottawa  
Project: Analysis of Unobserved Heterogeneity in Population Mortality  
Tim's role: TAC member
- July 20, 2018      **Sasha Mazzarello**, MSc Epi, Research paper, University of Ottawa  
Project: Identifying risk factors for failure to rescue in people with myocardial  
infarction after non-cardiac surgery: a cohort study  
Tim's role: TAC
- June 2018      **Dina Salama**, MSc EPI, University of Ottawa  
Project: Validating a Model of Disease Course in Inflammatory Bowel Disease  
for use with Health Administrative Data  
Tim's role: TAC member
- Feb 25, 2016      **Lana Castellucci**, MSc Epidemiology  
Project: Evaluating Risk of Delayed Major Bleeding in Critically Ill Trauma  
Patients (Role: thesis committee)

**Thesis/Research Paper Evaluator**

- November 16, 2020      **Jennifer Zhang**, MSc Epi, University of Ottawa  
Project: Reporting of Informed Consent in Pragmatic Trials: Results from a  
Systematic Literature Survey  
(Tim, Research Paper evaluator)
- October 19, 2020      **Pietro Di Santo**, PhD Epi, University of Ottawa

(Tim, Comprehensive Examiner)

- July 28, 2020 **Asm (Sayem) Borhan**, PhD, McMaster University  
Health Research Methodology – Biostatistics Specialization  
Project: Methods and Analysis of Stratified Cluster Randomized Trials  
Role: External examiner
- July 14, 2020 **Novella Martinello**, MSc Population Health, University of Ottawa  
Project: Physical Activity Maintenance in a Post-Cardiac Rehabilitation  
Population: A Mixed Methods Study  
Role: Examiner
- September 13, 2019 **Gabrielle Simoneau**, PhD, McGill  
Project: Towards an Accessible Methodology in Precision Medicine: Methods  
for Censored Data and Non-regular Inferences  
Role: External member of Oral Defense
- April 1, 2019 **Kasim Abdulaziz**, PhD Epi, University of Ottawa  
Comprehensive Exam  
(Role: Examiner)
- January 9, 2018 **Mariame Oumar Ouedraogo**, MSc Epi, University of Ottawa  
Project: Vedolizumab treatment in antiretroviral drug treated chronic HIV  
infection  
Tim's role: Chair
- March 27, 2017 **Mary Kwakyepeprah**, PhD Epi, University of Ottawa  
Project: Analyzing the Clinical and Economic Impact of Cesarean Delivery on  
Maternal and Infant Outcomes
- November 2016 **Jason Wong**, MSc, Epi, University of Ottawa  
Project: Eating Disorder Symptomatology and Comorbidity in Canadian Tertiary  
Care: Examining 17-year Tim Trends.
- July 12, 2016 **Kristian Macdonald**, MSc Epidemiology  
Project: Development and validation of an administrative data algorithm to  
identify adults who have endoscopic sinus surgery for chronic rhinosinusitis
- March 22, 2016 **Ji (Emmy) Cheng**, PhD in Health Research Methodology, McMaster University  
Project: Verification, Comparison and Exploration: The Use of Sensitivity  
Analyses in Health Research

- December 18, 2015 **Ciera Leeder**, MSc Epidemiology  
Project: Epidemiology of Patient Safety Events in an Academic Teaching Hospital (Role: Chaired defense)
- December 8, 2015 **Luke Lavallee**, MSc Epidemiology  
Project: Temporal Changes in Prostate Biopsy Use in Ontario
- November 5, 2015 **Abhi Bhandari**, MSc Epidemiology  
Project: Cytological Surveillance Management Pathways for Women with a Low-grade Abnormal Cervical Smear
- 2012 – June 2015 **Amisha Agarwal**, MSc Epidemiology  
Project: Endocrine disrupting chemicals and sensitive reproductive endpoint measures: evidence from the MIREC and MIREC-ID Cohort Study in Canada
- April 2015 (complete) **Christopher Gravel**, PhD, Mathematics, Carlton University  
Project: On the Correction for Misclassification Bias in Electronic Health Data Using Validation Sample Approaches
- April 2014 (complete) **Shintaro Hagiwara**, MSc Mathematics, Carlton  
Project: Theoretical Considerations in the Estimation of the Signal to Noise Crossover Dose
- April 10, 2014 **Andrea Bravi**, PhD, Cellular and Molecular Medicine  
Project: Variability monitoring for clinical applications
- January 29, 2014 **Brittany Miton**, MSc (Math), Carlton U  
Project: Characterization of U-Shaped Exposure-Response Relationships with Application to a Copper Database
- January 14, 2014 **Patricia Moretto**, (Role: thesis defence)
- November 25, 2013 **Tim Prendergast**, MSc Mathematics, Carlton and University of Ottawa  
Project: Interrupted Time Series Analysis Techniques in Pharmacovigilance
- October 11, 2013 **Jinhui Ma**, PhD Biostatistics, McMaster University  
Project: Methodological Issues in Design and Analysis of Studies with Correlated Data in Health Research (Role: mentoring committee)
- October 10, 2013 **Kelly Choi** (Role: thesis defence)
- September 20, 2013 **Qing Guo**, PhD, Biostatistics, McMaster University

Project: Identifying and Overcoming Obstacles to Sample Sizes and Power Calculations in FMRI Studies (Role: thesis committee)

September 10, 2013 **Maria Blahoianu** – Chaired thesis defence

September 9, 2013 **Anand Acharya** thesis committee PhD (Carlton U)

September 5, 2013 **Sabrina Omar**, MSc Epidemiology  
Project: The impact of the 2008 Global Financial Crisis on the Health of Canadians

Jan2013 (complete) **Fares Said**, B. Math (Honours), Carlton University  
Project: Modelling Resource Intensity Weights (RIWs) at the Canadian Institute For Health Information (CIHI)

Dec2011 (complete) **Boyan Bejanov**, MSc Mathematics, Carlton University  
Project: An investigation into the application of the Finite Element Method in counting process models

2009 (complete) **Prasad Jetty**, MSc Epidemiology  
Project: Endovascular versus Open Repair of Abdominal Aortic Aneurysms: A population-based evaluation of outcomes and resource utilization in Ontario

2002-2007 **Vicky Hogan-Gow**, PhD, Population Health  
Project: Health Product Advisories Issued in Canada : An Assessment of Public Awareness, Attitudes and Use, and Their Impact on Physician Prescribing Practice and Patient Safety

2007 **Linda Pelude**, MSc Epidemiology  
Project: Networks among Injection Drug Users: Random or Scale-Free?

#### **Graduate Course Teaching: University of Ottawa**

All courses are 3 credits each

2007- present	EPI 5242 Biostatistics (Fall term)
November 3, 2014	EPI 7105 Advanced methods in biostatistics
2005 & 2006	EPI 6276 Quantitative Methods in Epidemiology
2006	EPI 5181 Population Health Risk Assessment I

#### **Ottawa Methods Centre, Academic Lectures (teaching)**

October 23, 2014	Critical Care Research Methods Academic Half-Day “Exploring how to generate a research question and research design”
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- March 31, 2014 Clinician Investigator Program, Faculty of Medicine, University of Ottawa  
“Statistics and Methodology” Session
- Nov. 5 & 6, 2012 Department of Surgery CLINEPI Course  
(2 full day Workshops invited speakers).  
Lecture: Nov. 5 “Statistics”
- Dec. 15 & 16, 2011 Department of Surgery CLINEPI Course  
(2 full day Workshops invited speakers).  
Lecture: Dec. 15. “Statistics”

**Research Projects, Peer Reviewed – AWARDED**

- 06/2020-11/2020 **CanVECTOR (Canadian Venous Thrombosis Clinical Trials Outcomes Research) Network**  
Principal Investigators: Susan Kahn & Marc Rodger  
Funder: CIHR  
Program: Operating Grant: Clinical Research Infrastructure Support for COVID-19  
Total awarded: \$150,000
- 06/2020-05/2022 **TiC Evaluations Rural Network Study: multisite evaluation of transition in care activities across an alliance of three rural hospitals in Ontario**  
**Principal Investigator: Brian Devin**  
Funder: PSI Foundation  
Total awarded: \$196,000
- 04/2020-03/2025 **Impact of regional microinfarct load on cortical reorganization and stroke recovery**  
Principal Investigator: Gergely Silasi  
Funder: Canadian Institutes of Health Research  
Program: Project Grant  
Total awarded: \$827,155
- 04/2020-03/2024 **Using behavioural science to understand and improve participation in clinical trials: A theory-based research project.**  
Principal Investigator: Jamie Brehaut; Principal Knowledge User: Susan Marlin  
Funder: Canadian Institutes of Health Research  
Program: Project Grant  
Total awarded: \$963,900

- 10/2019-09/2024 **Screening for Occult Malignancy in Patients with Unprovoked Venous Thromboembolism: a Randomized Controlled Trial using 18F-Fluorodeoxyglucose Positron Emission Computed Tomography. SOME-2 Trial**  
Principal Investigator: Aurelien Delluc & Marc Carrier  
Funder: Canadian Institute of Health Research (CIHR)  
Program: Project Grant  
Total awarded: \$895,050 (grant #419392)
- 07/2019-06/2020 **Avatar therapy for treatment of persistent auditory hallucination in schizophrenia**  
Principal Investigator: Alexandra Baines  
Funder: University Medical Research Fund (UMRF)  
Program:  
Total awarded: \$50,000
- 04/2019-03/2023 **The Digital Bridge: Using technology to support patient-centred transitions from hospital to home**  
Principal Investigators: Carolyn Steele Gray, Chad Leaver, Michelle Nelson, Terence Tang  
Funder: Canadian Institute of Health Research (CIHR)  
Program: Team Grant: TiC - Stream 2 - eHIPP solutions for transitions in care gaps  
Total awarded: \$950,816
- 10/2018-03/2021 **A Simple Exercise Program for Patients with End Stage Kidney Disease to Improve Strength and Quality of Life: a Feasibility Study**  
Principal Investigator: Deborah Zimmerman & Rita Suri  
Funder: Canadian Institute of Health Research (CIHR)  
Program: Project Grant  
Total awarded: \$252,450
- 10/2018-09/2023 **Rapid correction of vitamin D deficiency in pediatric critical illness: A phase III multicentre randomized controlled trial**  
Principal Investigator: Dayre McNally  
Funder: CIHR  
Program: Project Grant  
Total awarded: \$983,026
- 10/2018-09/2023 **Stress Hydrocortisone in Pediatric Septic Shock (The SHIPSS trial)**  
Principal Investigator: Kusum Menon  
Funder: Canadian Institute of Health Research

Program: Project Grant  
Total awarded: \$1,101,600

04/2018-03/2021 **A Healthy People Initiative: A Randomized Controlled Trial Building the Socio-Economic Capital of Low Income Population At-Risk for HIV and Hepatitis C (HPI Pilot Trial)**

Principal Investigator: Smita Pakhale & Elspeth McKay  
Funder: Canadian Institute of Health Research  
Program: Operating Grant - HIV/AIDS CBR Program - Indigenous  
Total awarded: \$450,000

04/2018-03/2023 **Canadian-Australasian Randomized Trial of Screening Kidney Transplant Candidates for Coronary Artery Disease (CARSK)**

Principal Investigators: Benjamin Chow, Jagbir Gill, Joseph Kim, Scott Klarenbach  
Funder: CIHR  
Program: Project Grant  
Total awarded: \$2,237,625

04/2018-03/2022 **PRICE 2: A phase 3 randomized controlled trial of phlebotomy resulting in controlled hypovolemia to prevent blood loss in major hepatic resections**

Principal Investigator: Guillaume Martel  
Funder: CIHR  
Program: Project Grant  
Total funding: \$497,252

04/2017-03/2018 **Stress Hydrocortisone in Pediatric Septic Shock (SHIPPS)**

Principal Investigators: Kusum Menon  
Funder: CIHR  
Program: Project Grant  
Total awarded: \$100,000

04/2017-03/2018 **Cellular Immunotherapy for Septic Shock (CISS): A Phase II Trial**

Principal Investigators: Dean Fergusson and Lauralyn McIntyre  
Funder: CIHR  
Program: Project Grant (Bridge funding)  
Total awarded: \$100,000

04/2017-03/2020 **Heparin anticoagulation to improve outcomes in septic shock: The HALO International Phase II Trial**

Principal Investigators: Dean Fergusson, Ryan Zarychanski, Anand Kumar  
Funder: CIHR

Program: Project Grant  
Total awarded: \$631,125

12/2016-12/2018 **Cellular Immunotherapy for Septic Shock (CISS): A Phase II Multicentre Clinical Trial**  
Principal Investigator: Lauralyn McIntyre  
Funder: Stem Cell Network  
Total awarded: \$1,000,000

08/2016-07/2023 **An epidemiologic research program to improve maternal and child health**  
Principal Investigators: Shi Wu Wen and Mark Walker  
Funder: CIHR  
Program: Foundation Scheme  
Total awarded: \$9,876,973

07/2016-06/2019 **StAtins for Venous Event Reduction in patients with venous thromboembolism (The SAVER Pilot Randomized Trial)**  
Principal Investigator: Marc Rodger  
Funder: CIHR (Project Scheme)  
Role: Co-investigator  
Total awarded: \$424,298

01/2016-01/2018 **Continuous waveform analysis to improve prediction of time to death after withdrawal of life sustaining therapy in critically ill patients**  
Principal Investigator: Sonny Dhanani  
Funder: Physicians' Services Incorporated Foundation (PSI)  
Role: Co-investigator  
Total awarded: \$168,000

10/2015-09/2019 **Supporting Goal-Oriented Primary Health Care for Seniors with Complex Care Needs using Mobile Technology: Evaluation and implementation of the HSPRN-Bridgepoint ePRO Tool.**  
Principal Investigator: Carolyn Steel Gray  
Funder: Canadian Institute for Health Research  
Program: Operating Grant: eHealth Innovation Initiative: eHealth Innovation Partnership Program (eHIPP)  
Role: Co-investigator  
Total awarded: \$1,500,000.00

10/2015 – 09/2020 **Sleep and Circadian Rhythms and Venous Thromboembolic Diseases Clinical Trials Grant**  
Principal Investigator: Susan Kahn & Marc Rodger



Funder: CIHR  
Program: ICRH Community Development Program Grant  
Role: Co-investigator  
Total awarded: \$1,500,000

07/2015-06/2022 **A Research Program to Improve Patient Outcomes in Kidney Transplantation**

Program Leader: Gregory Knoll  
Role: Co-investigator  
Funder: CIHR  
Program: Foundation Scheme  
Total awarded: \$3,871,800

07/2015 – 06/2022 **Improving long term outcomes after venous thromboembolism (VTE)**

Principal Investigator: Susan Kahn  
Funder: CIHR  
Program: Foundation Scheme  
Role: Co-investigator  
Total awarded: \$2,050,825

07/2015-06/2018 **Age-adjusted D-dimer cutoff levels to rule out deep vein thrombosis (The ADJUST-DVT Study)**

Principal Investigator: Gregoire Le Gal  
Funder: Heart and Stroke Foundation of Canada  
Program: Grant-in-Aid  
Role: Co-investigator  
Total awarded: \$255,538

10/2014-09/2019 **Canadian Network for Advanced Interdisciplinary Methods for Prospective Studies of Drug Safety and Effectiveness**

Principal Investigators: Michal Abrahamowicz, Sasha Bernatsky, Louise Pilote  
Funder: Canadian Institutes of Health Research (CIHR)  
Role: Co-Investigator  
Total awarded: \$1,250,000

04/2014-06/2015 **A Randomized Trial of Screening for Coronary Artery Disease in Kidney Transplant Candidates**

Principal Investigators: Philip Devereaux, John Gill, Joseph Kim, Greg Knoll  
Funder: CIHR  
Program: Operating  
Total awarded: \$119,153

08/2014-03/2016 **Arterial Stiffness in Healthy Subjects and Patients With End-Stage- Renal**

**Disease: A Feasibility Study**

Principal Investigator: Kevin Burns

Role: Co-Investigator

Funder: Department of Medicine, The Ottawa Hospital

Total awarded: \$25,281

09/2014-08/2025

**The Thoracic Peri-Operative Integrative Surgical Care Evaluation (POISE) Trial**

Principal investigators: Dugald Seely and Andrew Seely

Role: Co-investigator

Funder: Hecht Foundation

Total awarded: \$3,853,888

04/2014-03/2017

**Clinical predictors for venous thromboembolism in patients with a history of Thrombosis**

Principal Investigator: Dr. Gregoire Le Gal

Funder: Heart and Stroke Foundation of Canada

Program: Grant-in-Aid (Project Number: G-14-0006185)

Role: Co-Investigator

Total awarded: \$235,312

04/2014-08/2016

**Steroid Use in Pediatric Fluid and Vasoactive Infusion Dependent Shock (STRIPES)**

Principal Investigator: Kusum Menon

Funder: CIHR

Role: Co-investigator

Total awarded: \$597,372

10/2013-09/2016

**Development and validation of clinical predication rules for bleeding for patients on anticoagulation therapy for venous thromboembolism**

Principal Investigator: Dr. Phil Wells

Funder: Canadian Institutes of Health Research

Role: Co-investigator

Total awarded: \$501,083

7/2013-6/2014

**EUS-guided FNA of pancreatic cancers improves patient outcomes compared to percutaneous biopsies by providing a safer and more accurate method of tissue diagnosis.**

Principal Investigator: Dr. Avijit Chatterjee

Funder: Department of Medicine, The Ottawa Hospital

Role: Co-investigator

Total awarded: \$10,000

- 04/2013 – 03/2018 **The Canadian National Transplant Research Program: Increasing Donation and Improving Transplantation Outcomes**  
Principal Investigator: Dr. Lori West  
Funder: Canadian Institutes of Health Research  
Role: Co-investigator  
Total awarded: \$4,500,000
- 01/2013 – 12/2016 **Assessing potentially inappropriate prescribing (PIP) and predicting patient outcomes in Ontario’s elderly population using the modified STOPP criteria in large administrative health databases (the PIP-STOPP study)**  
Principal Investigator: Dr. Lise Bjerre  
Funder: Canadian Institutes of Health Research  
Role: Co-investigator  
Total awarded: \$226,605
- 3/2013 – 02/2014 **An individual patient data meta-analysis of low molecular weight heparin for prevention of placenta-mediated pregnancy complications**  
Principal Investigator: Dr. Marc Rodger  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Funding Program: Knowledge Synthesis Grant  
Total awarded: \$99,973
- 02/2013 - 01/2014 **Post mark drug safety and effectiveness: Ankylosing spondylitis**  
Principal Investigator: Dr. Sasha Bernatsky  
Role: Collaborator – Member of DSEN CAN-AIM  
Funder: Canadian Institutes of Health Research (Catalyst Grant: Post Market Drug Safety and Effectiveness)  
Total awarded: \$100,000
- 10/2012 – 09/2015 **New oral anticoagulants for the prevention of venous thromboembolism in high-risk ambulatory cancer patients: A randomized placebo-controlled, double-blind clinical trial**  
Principal Investigator: Dr. Philip Wells  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$836,840.00
- 12/2011-11/2012 **The Bone Mass Deficit in Pediatric Health and Serious Chronic Disease: a Canadian Collaborative Initiative**  
Principal Applicant: Dr. Leanne Ward  
Role: Co-investigator

Funder: Canadian Institutes of Health Research  
Total awarded: \$10,000

07/2012- 06/2014 **The Management of Subsegmental Pulmonary Embolism: A Prospective Cohort Study (SSPE).**

Principal Investigator: Dr. Marc Carrier  
Role: Co-investigator  
Funder: Heart and Stroke Foundation of Canada  
Total requested: \$141,648

06/2012-05/2014 **Heparin anticoagulation to improve Outcomes in septic shock: The HALO pilot**

Principal(s) Dr. R. Zarychanski and Dr. Dean Fergusson  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research (Operating Grant)  
Total awarded: \$288,152

06/2012 – 05/2015 **Seeing the forests and the trees – Innovative approaches to exploring heterogeneity in systematic reviews of complex knowledge translation interventions to enhance policy decision making**

Principal Investigator: Dr. Jeremy Grimshaw  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$588,963

04/2012 – 03/2015 **Analysis of pro-coagulant and thrombin-generation markers for the prediction of therapeutic failure during anticoagulation in cancer patients at high-risk for recurrence of venous thromboembolism: A pilot study**

Principal Investigator: Dr. Philip S. Wells  
Role: Co-investigator  
Funder: Heart and Stroke Foundation of Canada (Grant in Aid 2012/2013)  
Total awarded: \$161,217

04/2012 – 03/2015 **A phase 2 randomized, double-blind, window of opportunity trial evaluating clinical and correlative effects of vitamin D in patients with breast cancer. The ICARUS Study.**

Principal Investigator: Dr. Angel Arnaout  
Role: Co-investigator  
Funder: Canadian Breast Cancer Foundation  
Total awarded: \$275,050

09/2012 - 08/2016 **Antenatal Identification and Postpartum Cardiovascular Risk Assessment: Development of a Pregnancy-Initiated Cardiovascular Risk Prediction Tool**

Principal Investigator: Dr. Graeme N. Smith  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research (CIHR)  
Total awarded: \$953,691

01/2012 – 6/2012 **Planning meeting to develop an intentional interdisciplinary research network to study the determination of death after cardiac arrest**

Principal Investigator: Dr. S. Dhanani  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$24,930

03/2012-02/2014 **Steroid use in pediatric fluid and/or vasoactive infusion dependent shock (The STRIPES Study)**

Principal Investigator: Dr. Kusum Menon  
Role: Co-investigator  
Funder: Physicians Services Incorporated  
Total awarded: \$164,268

09/2011 – 08/2015 **Signal, Safety and Success: An analysis of risk, benefit and translation after detection of clinical activity in drug development**

Principal Investigator: Dr. Jonathan Kimmelman  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research (Operating Grant)  
Total awarded: \$319,820

09/2011 to 08/2014 **Developing advanced methods for population-based comparative effectiveness studies**

Principal Investigator: Dr. Michal Abrahamowicz  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$950,000

09/2011 to 08/2014 **A pilot randomized controlled trial to evaluate the efficacy of unfractionated Heparin in septic shock**

Nominated Principal Applicant: Dr. Ryan Zarychanski  
Principal Investigator: Dr. Dean Fergusson  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$200,000

11/2011 to 09/2012 **Meeting of the Canadian Steroid-associated Osteoporosis in the Pediatric**

**Population Consortium**

Principal Investigator: Dr. Leanne Ward

Role: Knowledge User

Funder: Canadian Institutes of Health Research

Total awarded: \$24,945

- 07/2011 – 06/2014 **Screening for occult malignancy in painters with unprovoked venous thromboembolism: a randomized controlled trial using a comprehensive computed tomography of the abdomen/pelvis (SOME trial)**  
Principal Investigator: Dr. Marc Carrier  
Role: Co-Investigator  
Funder: Heart and Stroke Foundation of Canada (Multi-provincial grant-in-aid Application)  
Total awarded: \$636,000
- 06/2011-05/2012 **Bone Development in Pediatric Health and Serious Chronic Disease: a Canadian Collaborative Initiative**  
Principal Investigators: Bernard Jasmin, David Mack, Frank Rauch, Jeremy Sigal, Leanne Ward  
Funder: CIHR  
  
Program: Team Grant  
Total awarded: \$10,000
- 01/2011 – 01/2014 **Animals, Humans, and the Continuity of Evidence: A study of clinical translation**  
Principal Investigator: Dr. Jonathan Kimmelman  
Principal Applicant: Dr. Dean Fergusson  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$273,952
- 01/2011 to 01/2012 **The implementation of a computerized decision support system for oral anticoagulant dosing in hemodialysis patients: a study of effectiveness and safety in a high-risk population**  
Principal Investigator: Dr. Greg Knoll  
Role: Co-investigator  
Funder: Department of Medicine, The Ottawa Hospital.  
Total awarded: \$60,000
- 11/2010-03/2011 **Smoking, Tuberculosis and Obstructive Lung Disease in Nunavut Evaluation, The STONE lung health program**  
Principal Investigator: Gonzalo Alvarez

Funder: CIRH  
Program: Operating Grant  
Total awarded: \$14,990

10/2010 to 10/2012 **Pilot study for the determination of death after cardiac arrest**  
Principal Investigator: Dr. S. Dhanani  
Role: Co-investigator  
Funder: Physician Services Incorporated Foundation (PSI)  
Total awarded: \$133,000

06/2010 to 05/2011 **Pilot study for the determination of death after cardiac arrest**  
Principal Investigator: Dr. S. Dhanani  
Role: Co-investigator  
Funder: Children's Hospital of Eastern Ontario, Observation study  
Total awarded: \$29,977

04/2010 to 09/2013 **Weaning and variability evaluation (WAVE) a multicenter evaluation of altered heart rate and respiratory rate variability to predict extubation failure**  
Principal Investigator: Dr. Andrew Seely  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$650,343

06/2010 to 05/2012 **Quinolone prophylaxis for the prevention of BK virus infection in kidney transplantation: A pilot study**  
Principal Investigator: Dr. Greg Knoll  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$461,464

06/2010 to 05/2012 **The accurate measurement of glomerular filtration rate in patients with kidney disease**  
Principal Investigator: Dr. Greg Knoll  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$253,504

09/2010 to 02/2011 **A pilot study assessing feasibility of a randomized, placebo-controlled trial of low-molecular-weight-heparin for postpartum prophylaxis in women at risk of developing venous thromboembolism**  
Principal Investigator: Dr. Marc Rodger  
Role: Co-investigator

Funder: Canadian Institutes of Health Research  
Total awarded: \$487,377

04/2010 to 04/2015 **Effect of immunosuppressive medication use on patient outcomes following kidney transplant failure**

Principal Investigator: Dr. John Gill/Dr. Greg Knoll  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$963,864

02/2010 to 12/2011 **GENErVTE: Gene-GeNE interactions and recurrent venous thromboembolism**

Principal Investigator: Dr. Marc Rodger  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$46,243

04/2010 to 03/2012 **Optimal range of patient to family physicians ratios in primary care practices**

Principal Investigator: Dr. William E. Hogg  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$191,097

03/2010 to 03/2014 **Improving the design and analysis of clinical trials**

**Principal Investigator: Tim Ramsay**  
Funder: Ontario Ministry of Research and Innovation (ON) Early Researcher Award  
Total awarded: \$100,000

12/2010 – 06/2011 **Smoking, Tuberculosis and Obstructive Lung Disease in Nunavut Evaluation, The STONE lung health program**

Principal Investigator: Dr. Gonzalo Alvarez  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Program: Operating Grant  
Total awarded: \$14,990

07/2009 to 04/2010 **Cesarean delivery on maternal request in Ontario, Canada**

Principal Investigator: Dr. Quiying Yang  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$32,667

2009 – 2010 **Generating Cardiovascular Risk Profiles for Seniors**



Principal Investigator: Jenna Wong  
Role: Supervisor  
Funder: Canadian Institutes of Health Research  
Program: Master's Award – Frederick Banting and Charles Best Canada Graduate  
Scholarship  
Total awarded: \$175,000

09/2008 – 08/2009 **Recurrent Venous thromboembolism Risk Stratification Evaluation (REVERSE):  
Long term follow-up to define if Lifelone anticoagulation is required in high risk  
patients with first unprovoked venous thromboembolism**

Principal Investigator: Dr. Marc Rodger  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Total awarded: \$95,982

09/2008 to 08/2013 **Recurrent Venous thromboembolism Risk Stratification Evaluation (REVERSE)**

Principal Investigator: Dr. Marc Rodger  
Role: Co-investigator  
Funder: Heart and Stroke Foundation of Canada (HSFC) (Operating grant)  
Total awarded: \$613,340

05/2008 to 05/2013 **Development and validation of clinical prediction rules for bleeding for patients  
on anticoagulant therapy for venous thromboembolism**

Principal Investigator: Dr. Phil Wells  
Role: Co-investigator  
Funder: Heart and Stroke Foundation of Canada (HFSC)  
Total awarded: \$974,972

09/2008 to 09/2011 **The P4 Study: Plastics and Personal-care Product use in Pregnancy**

Principal Investigator: Dr. Tye Arbuckle  
Role: Co-investigator  
Funder: Health Canada  
Total awarded: \$910,783

08/2008 to 08/2011 **Temporal variation in urinary phthalates and Bisphenol A in pregnant women**

Principal Investigator: Dr. Tye Arbuckle  
Role: Co-investigator  
Funding Health Canada  
Total awarded: \$300,157

04/2008 - 09/2009 **The Appropriateness of frozen plasma use in Canada**

Principal: Dr. A. Tinmouth

Funder: Canadian Institutes of Health Research  
Program: Operating Grant  
Total awarded: \$291,464

- 03/2008 to 03/2009 **Vitamin D concentration and the risk of acute rejection following kidney transplantation**  
Principal Investigator: Dr. D. Zimmerman  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research (CIHR)  
Total awarded: \$27,250
- 03/2008 to 03/2009 **Is rate of surgery a better indicator of access to cataract surgery than wait time?**  
Principal Investigator: Dr. W. Hodge  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research (CIHR)  
Total awarded: \$71,666
- 09/2007 to 09/2010 **Interpretation of biomarkers using physiologically based pharmacokinetic modeling**  
Principal Investigator: Dr. Christine Chaisson  
Role: Co-investigator  
Funder: Environmental Protection Agency (EPA) (USA)  
Total awarded: \$207,000 US
- 04/2007-03/2008 **An Investigation of the Relationship Between Cataract Surgery Wait Times and Rates of Surgery**  
Principal Investigator: William Hodge  
Role: Co-investigator  
Funder: CIHR  
Program: Synthesis Grant  
Total awarded: \$7,666
- 04/2007 – 03/2012 **Novel Markers to Improve the Detection of Declining Kidney Function**  
**Principal Investigators: Dr. Dean Fergusson and Dr. Greg Knoll**  
Funder: Canadian Institutes of Health Research (Operating Grant)  
Total awarded: \$234,867
- 04/2007-03/2011 **Extended prophylaxis comparing low molecular weight heparin (LMWH) to aspirin in total hip arthroplasty (EPCAT study)**  
Principal Investigator: David Anderson  
Role: Co-investigator  
Funder: CIHR

Program: RCT  
Total awarded: \$2,446,723

10/2006-09/2009     **Understanding wait lists for MRI: Appropriateness of utilization and triaging of priority**  
Principal Investigator: Derek Emery, Kaveh Shojania  
Role: Co-investigator  
Funder: Canadian Institutes of Health Research  
Program: Operating Grant  
Total awarded: \$433,097

**Publications: Life-time summary (count)**

Chapters in books .....	1
Papers in refereed journals .....	229
Technical reports .....	5
Abstracts and/or papers read.....	13
Invited Conference Presentations.....	36

**Papers in refereed journals:**

*\*Denotes senior author*

1. Apte SS, Radonjic A, Wong B, Dingley B, Boulva K, Chatterjee A, Purgina B, **Ramsay T**, Nessim C. Preoperative imaging of gastric GISTs underestimates pathologic tumor size: A retrospective, single institution analysis. *J Surg Oncol.* 2021 Jul;124(1):49-58.
2. Kovacs MJ, Wells PS, Anderson DR, Lazo-Langner A, Kearon C, Bates SM, Blostein M, Kahn SR, Schulman S, Sabri E, Solymoss S, **Ramsay T**, Yeo E, Rodger MA; PERIOP2 Investigators. Postoperative low molecular weight heparin bridging treatment for patients at high risk of arterial thromboembolism (PERIOP2): double blind randomised controlled trial. *BMJ.* 2021 Jun 9;373:n1205.
3. Kay J, Simunovic N, Heels-Ansdell D, Bhandari M, Ayeni OR; **FIRST Investigators (Ramsay T)**. Lower body mass index and age are predictive of improved pain and health utility scores following arthroscopic management of femoroacetabular impingement. *Knee Surg Sports Traumatol Arthrosc.* 2021 May;29(5):1461-1473.
4. Almasri M, Simunovic N, Heels-Ansdell D, Ayeni OR; **FIRST Investigators (Ramsay T)**. Femoroacetabular impingement surgery leads to early pain relief but minimal functional gains past 6 months: experience from the FIRST trial. *Knee Surg Sports Traumatol Arthrosc.* 2021 May;29(5):1362-1369.

5. Bailey AJM, Tieu A, Gupta M, Slobodian M, Shorr R, **Ramsay T**, Rodriguez RA, Fergusson DA, Lalu MM, Allan DS. Mesenchymal Stromal Cell-derived Extracellular Vesicles in Preclinical Animal Models of Tumor Growth: Systematic Review and Meta-analysis. *Stem Cell Rev Rep*. 2021 Apr 15. Epub ahead of print.
6. Hadwen J, Kim W, Dewar B, **Ramsay T**, Davis A, Dowlatshahi D, Shamy M. Association between insulin resistance and post-ischaemic stroke outcome in patients without diabetes: protocol for a systematic review and meta-analysis. *BMJ Open*. 2021 Mar 26;11(3):e044771.
7. Lun R, Yogendrakumar V, **Ramsay T**, Shamy M, Fahed R, Selim MH, Dowlatshahi D. Predicting long-term outcomes in acute intracerebral haemorrhage using delayed prognostication scores. *Stroke Vasc Neurol*. 2021 Mar 23. Epub ahead of print.
8. Seely D, Legacy M, Auer RC, Fazekas A, Delic E, Anstee C, Angka L, Kennedy MA, Tai LH, Zhang T, Maziak DE, Shamji FM, Sundaresan RS, Gilbert S, Villeneuve PJ, Ashrafi AS, Inculet R, Yasufuku K, Waddell TK, Finley C, Shargall Y, Plourde M, Fergusson DA, **Ramsay T**, Seely AJE. Adjuvant melatonin for the prevention of recurrence and mortality following lung cancer resection (AMPLCaRe): A randomized placebo controlled clinical trial. *EClinicalMedicine*. 2021 Feb 27;33:100763.
9. Bailey A, Tieu A, Gupta M, Slobodian M, **Ramsay T**, Rodrigues R, Fergusson D, Lalu M, Allan D. Mesenchymal Stromal Cell Derived Extracellular Vesicles in Preclinical Animal Models of Tumor Growth: Systematic Review and Meta-Analysis. *Transplantation and Cellular Therapy*. 2021 Mar 1;27(3):S191.
10. Tran A, Heuser J, **Ramsay T**, McIsaac DI, Martel G. Techniques for blood loss estimation in major non-cardiac surgery: a systematic review and meta-analysis. *Can J Anaesth*. 2021 Feb;68(2):245-255
11. Culliton K, Louati H, Laneuville O, **Ramsay T**, Trudel G. Six degrees head-down tilt bed rest caused low-grade hemolysis: a prospective randomized clinical trial. *NPJ Microgravity*. 2021 Feb 15;7(1):4.
12. Dhanani S, Hornby L, van Beinum A, Scales NB, Hogue M, Baker A, Beed S, Boyd JG, Chandler JA, Chassé M, D'Aragon F, Dezfulian C, Doig CJ, Duska F, Friedrich JO, Gardiner D, Gofton T, Harvey D, Herry C, Isac G, Kramer AH, Kutsogiannis DJ, Maslove DM, Meade M, Mehta S, Munshi L, Norton L, Pagliarello G, **Ramsay T**, Rusinova K, Scales D, Schmidt M, Seely A, Shahin J, Slessarev M, So D, Talbot H, van Mook WNKA, Waldauf P, Weiss M, Wind JT, Shemie SD; Canadian Critical Care Trials Group; Canadian Donation and Transplantation Research Program. Resumption of Cardiac Activity after Withdrawal of Life-Sustaining Measures. *N Engl J Med*. 2021 Jan 28;384(4):345-352.
13. Femoroacetabular Impingement Randomized Controlled Trial (FIRST) Investigators, Ayeni OR, Karlsson J, Heels-Ansdell D, Thabane L, Musahl V, Simunovic N, Duong A, Bhandari M, Bedi A,

Järvinen T, Naudie D, Seppänen M, Slobogean G, Skelly M, Shanmugaraj A, Crouch S, Sprague S, Buckingham L, **Ramsay T**, Lee J, Kousa P, Carsen S, Choudur H, Sim Y, Johnston K, Sprague S, Wong I, Murphy R, Sparavalo S, Whelan D, Khan R, Wood GCA, Howells F, Grant H, Naudie D, Zomar B, Pollock M, Willits K, Firth A, Wanlin S, Remtulla A, Kaniki N, Belzile EL, Turmel S, Jørgensen U, Gam-Pedersen A, Hatanpää T, Sihvonen R, Raivio M, Toivonen P, Routapohja MP. Osteochondroplasty and Labral Repair for the Treatment of Young Adults With Femoroacetabular Impingement: A Randomized Controlled Trial. *Am J Sports Med.* 2021 Jan;49(1):25-34.

14. Deng M, Nham E, Malvea A, **Ramsay T**, Seabrook C, Watterson J. Exploring the Impact of the Surgical Exploration and Discovery (SEAD) Program on Medical Students' Perceptions of Gender Biases in Surgery: A Mixed-Method Evaluation. *J Surg Educ.* 2020 Dec 5;S1931-7204(20)30449-9.
15. Lun R, Walker G, Daham Z, **Ramsay T**, Portela de Oliveira E, Kassab M, Fahed R, Quateen A, Lesiuk H, P Dos Santos M, Drake B. Transition to virtual appointments for interventional neuroradiology due to the COVID-19 pandemic: a survey of satisfaction. *J Neurointerv Surg.* 2020 Dec;12(12):1153-1156.
16. Steele Gray C, Tang T, Armas A, Backo-Shannon M, Harvey S, Kuluski K, Loganathan M, Nie JX, Petrie J, **Ramsay T**, Reid R, Thavorn K, Upshur R, Wodchis WP, Nelson M. Building a Digital Bridge to Support Patient-Centered Care Transitions From Hospital to Home for Older Adults With Complex Care Needs: Protocol for a Co-Design, Implementation, and Evaluation Study. *JMIR Res Protoc.* 2020 Nov 25;9(11):e20220.
17. MacDonald DRW, Neilly D, Schneider PS, Bzovsky S, Sprague S, Axelrod D, Poolman RW, Frihagen F, Bhandari M, Swiontkowski M, Schemitsch EH, Stevenson IM; **FAITH Investigators; HEALTH Investigators (Ramsay T)**. Venous Thromboembolism in Hip Fracture Patients: A Subanalysis of the FAITH and HEALTH Trials. *J Orthop Trauma.* 2020 Nov;34 Suppl 3:S70-S75.
18. DeAngelis RD, Minutillo GT, Stein MK, Schemitsch EH, Bzovsky S, Sprague S, Bhandari M, Donegan DJ, Mehta S; **HEALTH Investigators (Ramsay T)**. Who Did the Arthroplasty? Hip Fracture Surgery Reoperation Rates are Not Affected by Type of Training-An Analysis of the HEALTH Database. *J Orthop Trauma.* 2020 Nov;34 Suppl 3:S64-S69.
19. Noori A, Sprague S, Bzovsky S, Schemitsch EH, Poolman RW, Frihagen F, Axelrod D, Heels-Ansdell D, Bhandari M, Busse JW; **HEALTH Investigators (Ramsay T)**. Predictors of Long-Term Pain After Hip Arthroplasty in Patients With Femoral Neck Fractures: A Cohort Study. *J Orthop Trauma.* 2020 Nov;34 Suppl 3:S55-S63.
20. Blankstein M, Schemitsch EH, Bzovsky S, Poolman RW, Frihagen F, Axelrod D, Heels-Ansdell D, Bhandari M, Sprague S, Schottel PC; **HEALTH Investigators (Ramsay T)**. What Factors Increase Revision Surgery Risk When Treating Displaced Femoral Neck Fractures With Arthroplasty: A Secondary Analysis of the HEALTH Trial. *J Orthop Trauma.* 2020 Nov;34 Suppl 3:S49-S54.

21. Neilly D, MacDonald DRW, Sprague S, Bzovsky S, Axelrod D, Poolman RW, Frihagen F, Heels-Ansdell D, Bhandari M, Schemitsch EH, Stevenson IM; **HEALTH Investigators (Ramsay T)**. Predictors of Medical Serious Adverse Events in Hip Fracture Patients Treated With Arthroplasty. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S42-S48.
22. Axelrod D, Tarride JÉ, Ekhtiari S, Blackhouse G, Johal H, Bzovsky S, Schemitsch EH, Heels-Ansdell D, Bhandari M, Sprague S; **HEALTH Investigators (Ramsay T)**. Is Total Hip Arthroplasty a Cost-Effective Option for Management of Displaced Femoral Neck Fractures? A Trial-Based Analysis of the HEALTH Study. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S37-S41.
23. Axelrod D, Comeau-Gauthier M, Bzovsky S, Schemitsch EH, Poolman RW, Frihagen F, Guerra-Farfán E, Heels-Ansdell D, Bhandari M, Sprague S; **HEALTH Investigators (Ramsay T)**. What Predicts Health-Related Quality of Life for Patients With Displaced Femoral Neck Fractures Managed With Arthroplasty? A Secondary Analysis of the HEALTH Trial. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S29-S36.
24. Sivaratnam S, Comeau-Gauthier M, Sprague S, Schemitsch EH, Poolman RW, Frihagen F, Bhandari M, Swiontkowski M, Bzovsky S; **FAITH Investigators; HEALTH Investigators (Ramsay T)**. Predictors of Loss to Follow-up in Hip Fracture Trials: A Secondary Analysis of the FAITH and HEALTH Trials. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S22-S28.
25. Bzovsky S, Comeau-Gauthier M, Schemitsch EH, Swiontkowski M, Heels-Ansdell D, Frihagen F, Bhandari M, Sprague S; **FAITH Investigators; HEALTH Investigators (Ramsay T)**. Factors Associated With Mortality After Surgical Management of Femoral Neck Fractures. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S15-S21.
26. Afaq S, O'Hara NN, Schemitsch EH, Bzovsky S, Sprague S, Poolman RW, Frihagen F, Heels-Ansdell D, Bhandari M, Swiontkowski M, Slobogean GP; **FAITH Investigators; HEALTH Investigators (Ramsay T)**. Arthroplasty Versus Internal Fixation for the Treatment of Undisplaced Femoral Neck Fractures: A Retrospective Cohort Study. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S9-S14.
27. Blankstein M, Schemitsch EH, Bzovsky S, Axelrod D, Poolman RW, Frihagen F, Bhandari M, Swiontkowski M, Sprague S, Schottel PC; **FAITH Investigators; HEALTH Investigators (Ramsay T)**. The FAITH and HEALTH Trials: Are We Studying Different Hip Fracture Patient Populations? *J Orthop Trauma*. 2020 Nov;34 Suppl 3:S1-S8.
28. **FAITH Investigators; HEALTH Investigators (Ramsay T)**. Study Summaries. *J Orthop Trauma*. 2020 Nov;34 Suppl 3:Sii-Siii.

29. Dewar B, Anderson JE, Kwok ESH, **Ramsay T**, Dowlatshahi D, Fahed R, Dyason C, Shamy M. Physician preparedness for resource allocation decisions under pandemic conditions: A cross-sectional survey of Canadian physicians, April 2020. *PLoS One*. 2020 Oct 22;15(10):e0238842.
30. Liu T, Melkus G, **Ramsay T**, Sheikh A, Laneuville O, Trudel G. Bone Marrow Reconversion With Reambulation: A Prospective Clinical Trial. *Invest Radiol*. 2020 Oct 6. Epub ahead of print.
31. Federico CA, Mogil JS, **Ramsay T**, Fergusson D, Kimmelman J. Response to Moisset et al. *Pain*. 2020 Oct;161(10):2427-2428.
32. Hundemer GL, Tangri N, Sood MM, **Ramsay T**, Bugeja A, Brown PA, Clark EG, Biyani M, White CA, Akbari A. Performance of the Kidney Failure Risk Equation by Disease Etiology in Advanced CKD. *Clin J Am Soc Nephrol*. 2020 Oct 7;15(10):1424-1432.
33. Jegatheswaran J, Chan R, Hiremath S, Moorman D, Suri RS, **Ramsay T**, Zimmerman D. Use of the FRAIL Questionnaire in Patients With End-Stage Kidney Disease. *Can J Kidney Health Dis*. 2020 Sep 16;7:2054358120952904.
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- regression analysis. II: Covariate effects? *J Toxicol Environ Health A*. 2005 Jul 9-23;68(13-14):1155-65.
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226. **Ramsay T**. The difficulties of defining the term “GM”. *Science* 2004;303(5665):1765-1769.
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### Chapters in Books

1. Jelena Ivanovic, **Tim Ramsay** and Andrew J. E. Seely (2012). Standardized Monitoring of Post-Operative Morbidity and Mortality for the Evaluation of Thoracic Surgical Quality, Topics in Thoracic Surgery, Paulo F. Guerreiro Cardoso (Ed.), ISBN: 978-953-51-0010-2, In Tech
2. Ramsay J.O., **Ramsay T.**, Sangalli L.M. (2011) Spatial Functional Data Analysis. In: Ferraty F. (eds) Recent Advances in Functional Data Analysis and Related Topics. Contributions to Statistics. Physica-Verlag HD

### Technical reports

1. H. Shin, **T. Ramsay**, D. Krewski, J. Zielinski. The effect of censoring on cancer risk estimates based on the Canadian National Dose Registry of occupational radiation exposure. No. 414—January 2005. Technical Report Series of the Laboratory for Research in Statistics and Probability, Carleton University and University of Ottawa.
2. **T. Ramsay**, R. Burnett, D. Krewski. Exploring bias in a generalized additive models for spatial air pollution data. No. 413—January 2005. Technical Report Series of the Laboratory for Research in Statistics and Probability, Carleton University and University of Ottawa.

3. **T. Ramsay**, R. Burnett, D. Krewski. Underestimation of standard errors in generalized additive models linking mortality to ambient particulate matter. No. 412—January 2005. Technical Report Series of the Laboratory for Research in Statistics and Probability, Carleton University and University of Ottawa.
4. K.Y. Fung, D. Krewski, R. Burnett, F. Dominici, **T. Ramsay**, Y. Chen. Testing the harvesting hypothesis by time domain regression analysis, Parts I & II. No. 408—December 2004. Technical Report Series of the Laboratory for Research in Statistics and Probability, Carleton University and University of Ottawa.
5. J.C. Nash, **T. Ramsay**. Viewpoint: health visitors and public health and security. Working paper 04-53, School of Management, University of Ottawa.

### Invited Presentations

#### **2020**

- October 7 **How to Develop a Research Program.** Division of Orthopaedic Surgery Grand Rounds, The Ottawa Hospital
- September 28 **Methods Centre: Surgical Research Methodology.** Department of Surgery Academic Session, The Ottawa Hospital. Virtual
- September 8 **The P-Value: Why is it Such a Hot Mess?** Thoracic Inspired Methodology (TIM) Talks, Thoracic Research Rounds, The Ottawa Hospital
- June 19 **Consulting with your statistician: How to be a good non-statistician.** Nephrology Friday Morning Rounds, Online presentation
- May 22 **Observational study designs in clinical research.** Nephrology Friday Morning Rounds, Online presentation
- March 2 **Confidence Intervals.** Thoracic Inspired Methodology (TIM) Talks, Thoracic Research Rounds, The Ottawa Hospital

#### **2019**

- May 9 **New and Continuing DoS Services from OMC.** Collins Surgical Day 2019. The Ottawa Hospital
- January 8 **Evaluating the utility of biomarkers for clinical prediction.** uOttawa, PhD class

#### **2018**

- November 26 **Publication Bias.** Thoracic Research Rounds, The Ottawa Hospital
- November 8 **The P-value” and a panel discussion.** Supply Side Event hosted by KGK Science. Las Vegas, NV
- September 17 **Difference between machine learning and statistical modelling.** Thoracic Research Rounds, The Ottawa Hospital
- June 26 **Statistical Considerations.** BioCanRx Preclinical Development Workshop, Ottawa

February 28 **Systematic Reviews and Meta-Analyses. What does it all mean?** Surgical Oncology Journal Club, The Ottawa Hospital

Feb 26 **Univariate & multivariate logistic regression models.** Division of Thoracic Surgery Research meeting

February 9 **The P-Value: Why is it Such A Hot Mess?** Clinical Epidemiology Program Rounds, Ottawa Hospital Research Institute

## 2017

March 6 **P Values and General Primer on Statistical tests.** Division of Thoracic Surgery Research meeting

## 2016

December 19 **Research Methodology**, Division of Thoracic Surgery Research Rounds

November 21, 2016: **“Research Methodology”**, Division of Thoracic Surgery Research Rounds

November 9, 2016: **“The Ottawa Methods Centre”**, Department of Medicine Academic Half Day

October 4, 2016: **“How to measure predictive value of novel biomarkers”**, PhD Seminar on Advanced Methodology, University of Ottawa

September 8, 2016, **“Research Methods”**, Critical Care Academic Half Day Teaching, The Ottawa Hospital

July 27, 2016, **“OHRI Methods Center: Overview of Available Resources”**, Department of Surgery, Grand Rounds, The Ottawa Hospital

## 2014

December 9, 2014, **“Open Forum Discussion”** Clinician Investigative Program seminar (presented)

July 15, 2014, **“Lies, damned lies, and statistics”**, Epidemiology Summer Symposium

April 2, 2014, **“OHRI/Methods Centre and Statistical Consult”**. Physical Medicine and Rehabilitation Residents with Shawn Marshall, The Ottawa Hospital.

March 17, 2014, **“When is Dead Really Dead?”** Department of Epidemiology and Community Medicine, University of Ottawa

January 28, 2014, Speaker, **“When is Dead Really Dead?”** Biostatistics Seminars, McGill, Department of Epidemiology, Biostatistics & Occupational Health, Montreal

## 2013

June -2-4, 2013, Speaker: **“Testing a Research Hypothesis: Advanced Data Analysis Techniques”**.

61th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Banff, AB

May 26-29, 2013, Speaker: **“Temporal Variability in Urinary Concentrations of Triclosan among Pregnant Women in Canada”**. 41<sup>st</sup> Annual Meeting of the Statistical Society of Canada, University of Alberta, Edmonton, AB

## 2012

June 11, 2012. *Teaching Session:* Seminar to the Infectious Diseases Residents, The Ottawa Hospital.

January 31, 2012. Invited Speaker: **“Heterogeneity bias in logistic and cox regression”**. Division of Biostatistics, Dalla Lana School of Public Health, University of Toronto, Toronto, ON

January 20, 2012. *Rounds Presentation*: **“A multi-centre trial management platform”**. Clinical Epidemiology Seminar/Rounds, Ottawa Hospital Research Institute, Ottawa, ON

## 2011

June 15, Invited Speaker at Statistical Society of Canada Annual meeting in Wolfville, NS.

May 6, 2011. Invited speaker: at bi-annual VECTOR meeting in Montreal

## 2010

October 1, 2010. *Rounds Presentation*: **“How should we treat studies that stop early for benefit?”** Clinical Epidemiology Seminar Rounds, Ottawa Hospital Research Institute. Ottawa, ON

## 2009

November 29, 2009. Lecture given: **“The Ottawa Methods Centre: enhancing and enabling research”**. Elizabeth Bruyere Research Institute, Management Committee

October 28, 2009. Lecture given: **“Introduction to Statistics for Clinical Research”**. Clinical Research Training Course. Ottawa Hospital Research Institute

September 25, 2009. Lecture given: **“The Ottawa Methods Centre: enhancing and enabling research”** with Dr. Dean Fergusson. The Clinical Epidemiology Seminar. The Ottawa Hospital

## 2007

Feb. 23, 2007. Lecture to Soft Systems Methodology (SSM), Montreal, PQ

June 22, 2007. Lecture: **“Why clinical trials should never be stopped early for benefit: results of a series of simulations”** Clinical Epidemiology Rounds. The Ottawa Hospital Research Institute. The Ottawa Hospital, Ottawa, Ontario, Canada

## 2006

Sept. 15, 2006. Lecture: **Concurvity and bias in semiparametric additive models**. Fields Institute Conference on Nonparametric Statistics. Carleton University, Ottawa.

July 18, 2006. Lecture: **Bias and the semiparametric additive model: a warning bell for FDA?** International Biometric Conference. Montreal, QC.

## 2005

May 10, 2005. Invited presentation (joint). **Statistical issues in the use of administrative health data in population health risk assessment**. University of Washington.

## 2004

December 2, 2004. Invited presentation (joint). US National Research Council Committee on the use of Models in the Regulatory Decision Process, Washington DC.

October 26, 2004. Invited presentation. **Summary of results for the first-stage analysis of the Canadian APHENA data**. APHENA interim meeting, London, UK.

October 27, 2004. Invited presentation. **A cautionary note on the effect of smoothing choices on meta-analysis of multi-city time-series data in APHENA.** APHENA interim meeting, London, UK.

June 25, 2004. Invited presentation. **Assessing reliability in GAM-based time-series studies of air pollution and mortality/morbidity.** Fuel and Air Quality Assessment Section, Health Canada.

June 7, 2004. Invited presentation. **Summary of Canadian contribution to the APHENA analysis.** APHENA general meeting, Athens, Greece.

June 8, 2004. Invited presentation. **Summary of recent results concerning mortality displacement and time series analysis, with recommendations for mortality displacement research program for APHENA.** APHENA general meeting, Athens, Greece.

June 9, 2004. Contributed presentation. **Theoretical and empirical properties of intercept versus intercept-main-effect model for seasonal interaction in time series models for air pollution and population health.** APHENA general meeting, Athens, Greece.

March 29, 2004, Calgary. Invited presentation and discussion of results, peer review of updates in support of Canada-Wide Standards for Particulate Matter and Ozone. Presented to workshop of Canadian Council of Ministers of the Environment and stakeholders.

March 14-15, 2004. Invited presentation. **Preliminary Canadian analyses for APHENA.** APHENA interim meeting, London, UK.