

Research and Investigations – HSC

Adult-to-adult living liver transplantation (A2ALL). *Grant D, Levy G, Clarke H, Abbey S, Holtzman, S. National Institutes of Health (NIH), (\$1,500,000 2009-2014)*

Advancing research into paediatric surgical techniques and childhood nutrition by utilization of Isotope-Ratio Mass Spectrometry. *Pierro A, Post M, Pencharz P. Canada Foundation for Innovation (CFI), (\$269,340 2013-2014)*

Advancing research into paediatric surgical techniques and childhood nutrition by utilization of Isotope-Ratio Mass Spectrometry. *Pierro A, Post M, Pencharz P. Ministry of Research and Innovation (MRI) (Ontario) (\$269,340 2013-2014)*

A Pilot Study of Systemic Glucagon Like Peptide Combined With Oral Epidermal Growth Factor and Characterization of Gut Microbiome in Short Bowel Piglets With and Without Ileum. *Levesque C, Turner JM, Wales PW, Li J. A.S.P.E.N. Rhoads Research Foundation. (\$24,900 2012-2013)*

Canadian Biliary Atresia Registry Planning Meeting. *Schreiber R, Ahmed N, Emil S, Fecteau A, Laberge JM. Canadian Institutes of Health Research (CIHR). (\$25,000 2013-2014)*

Canadian National Transplant Research Program: Increasing Donation and Improving Transplantation Outcomes. *West L, Caulfield T, Hebert MJ, Humar A, Knoll G, Levings M, Mital S, Roy DC, Schultz K, Shapiro J, Grant D. Canadian Institutes of Health Research (CIHR), (\$14,270,000 2013-2018)*

ChiDREN: Childhood Liver Disease and Research Network Consortium. *Ng V, Avitzur Y, Durie P, Chung C, Fecteau A. National Institutes of Health (NIH). (\$730,381 2009-2014)*

Computer Stereo Vision for Image Guided Surgery. *Wildes R, Himidan S, Jasiobedzki P, Vesoughi S, Gryn J, Umasuthan M, Shang L. Ontario Centres of Excellence. (\$24,999.30 2012-2013)*

Costal Cartilage: Ultra Structural Properties in Chest Wall Deformities. *Fecteau, A. National Institute of Health (NIH), (2006-present)*

Determination of molecular signatures that allow differentiation between unilateral and bilateral Wilms' tumors using genome-wide arrays and whole-exome sequencing. *Weksberg R, Lorenzo A, Gerstle JT, Romao R, Bagli D, Grant R, Choufani S, Shuman C, Taylor G. C17 Research Network. (\$150,000 2013-2015)*

Development of Highly Active Anti-Leukemia Stem Cell Therapy (HALT). *Dick J, Wang J, Danska J, Guidos C, Hitzler J, Chiu P. CIRM-CSCC Team Grant. (\$2,100,615 2010-2014)*

Evaluation of the nurse practitioner/enterostomal therapist role for the Hirschsprung disease and anorectal malformation population. *Langer JC, Colapinto K, Dupuis K, Lapidus-Krol E. Hospital for Sick Children Perioperative Services Innovation Grant. (\$128,783 2011-2014)*

Ex Vivo Human Liver Perfusion: Assessment and Repair of Marginal Liver Grafts for Transplantation. *Selzner M, Grant D, Levy G. Roche Organ Transplantation Research Foundation.* (\$300,000 2010-2013)

fgl2/FGL2 and heart transplantation. *Grant D, Levy HR. Ontario Heart and Stroke Foundation,* (\$188,000 2011-2013)

fgl2/FGL2 and heart transplantation. *Grant D, Levy G, Ross, H. Ontario Heart and Stroke Foundation* (\$298,287 2013-2016)

High-Impact Strategies Toward Overweight Reduction in Youth. *McCrinkle BW, Anderson G, Hamilton J, Parkin P, Pencharz PB, Birken CS, Dettmer EL, Langer JC, O'Connor DL, Tein I. Canadian Institute for Health Research* (\$2,420,495 2008-2013)

Parenteral Omega-3 Fatty Acids for Treatment of Intestinal Failure Associated Liver Disease: A Translational Research Study. *Wales P, Turner J, Pencharz P, Ball R, Field C, Van Aerde J, Clandini T. Canadian Institutes of Health Research (CIHR),* (\$264,169 2011-2014)

Short Bowel Piglet Studies. *Turner JM, Wales PW. The Hospital for Sick Children Foundation,* \$307,550 (2011-2014)

Short Bowel Syndrome and Glucagon-Like Peptide-2 Therapy: Actions and Mechanisms Studied in Neonatal Piglets. *Turner JM, Wales PW, Brubaker P, Pencharz PB, Ball RO, Nation PN, Sigalet D, Vine D. CIHR/IRSC,* (\$548,528, 2013-2017)

The Effect of Music Exposure on Psychological and Physiological Functioning in Children Undergoing Elective Surgery: A Randomized Controlled Trial. *Himidan S, Oliveira C, Pierro A, Eaton S, Joo D, Grace N, Wilonska J, Campbell F. North York General Hospital* (\$49,755 2013-2014)

The Optimal Parenteral Lipid To Ensure Healthy Outcomes In Preterm Neonates. *Tuner J, Wales P, Field C, Willing B, Mager D, Sauve. CIHR,* (\$612,070 2013-2014)

The use of the intravenous metoclopramide vs. placebo in infants with gastroschisis: a pilot double blinded randomized controlled trail. *Langer, JC. PSI* (\$134,500 2013-2015)

Using the Zebrafish as a Pre-Clinical Animal Tumour Model for Drug Discovery and the Evaluation of Anti-Leukemia Agents. *Dellaire G, Chiu P, Berman J, Whitlock J. CIHR-NSERC Team Grant* (\$600,000 2012-2015)

Research and Investigations – MSH

A Phase I/II study of high dose rate brachytherapy for the palliation of rectal cancer. *Wong KSR, Bayley A, Brierley J, Cummings B, Dinniwell R, Kennedy E, Le L, Ringash J, Jezioranski J, Kim E, Easson, Alexandra M. Canadian Radiation Oncology Foundation/Sanofi-aventis.* (\$20,000 2010-present)

A phase II study to assess the safety and feasibility of refined selection criteria for pre-operative chemoradiation for rectal cancer. *Kennedy, ED., Baxter N, Simunovic M, McLeod, R. MSH-UHN AMO Innovation Fund,* (\$189,590 2013-2015)

A phase III randomized study of preoperative radiotherapy plus surgery versus surgery alone for patients with retroperitoneal sarcoma (RPS). *Swallow CJ, Catton CN, Gladdy RA, Chung PM, O'Sullivan B. STRASS (2011-2015)*

A randomized phase III trial of preoperative chemoradiotherapy vs. preoperative chemotherapy for resectable gastric cancer. *Wong RKS, O'Callaghan CJ, Darling G, Jonker D, Kollmannsberger C, Liu G, Mittman N, Ringash J, Swallow CJ. Canadian Institutes of Health Research (CIHR.) (\$241,547 2011-2018)*

A Single, Blind, Randomized Controlled Study to Evaluate the Safety and Effectiveness of EVICEL as an Adjunct to Gastrointestinal Anastomosis Techniques. *McLeod, RS. Ethicon (\$10,000 2012-2013)*

Accelerated implementation diffusion of quality initiatives for rectal cancer across Canada using a multi-faceted knowledge translation strategy. *Kennedy E, Baxter N, Simunovic M and McLeod, RS. Canadian Partnership Against Cancer (CPAC). (\$903,000 2014-2017)*

Building Capacity for Provincial Lynch Syndrome Screening in Ontario. *Baxter N, Rabeneck L, Gagliardi A, Kennedy ED, Tinnmouth J, Pollett A, Gallinger S, Covelli A, Facey M. Ontario Institute for Cancer Research / Cancer Care Ontario (\$148,572 2014-2015)*

Canadian Oncolytic Virus Consortium. *McCart, JA. Terry Fox Research Institute (TFRI). \$7,500,000 2012-2017)*

CIHR Strategic Training Grant in the Development of Biological Therapeutics. *Hampson D, Allen CJ, Bendayan R, Boyd SR, Bremner R, Garipey J, Mak TW, McCart JA, Medin JA, Monnier PP, Pang KCS, Reilly RM, Schimmer AD, Van Der Kooy DJ. Canadian Institutes of Health Research (CIHR). (\$1,787,630 2009-2015)*

Clinical Validation of PRODIGI, a New Handheld Optical Imaging Technology for Real-time Intraoperative-guidance of Breast Tumour Resection. *DaCosta R, Leong W, Wilson B, Done S, Easson A. Canadian Cancer Society Research Institute Innovation Grants. (\$160,000 2011-2013).*

Defining the Polo-Like Kinase 4 (Plk4) Interactome. *Kazazian K, Swallow CJ. Canadian Society for Surgical Oncology (CSSO) (2012-2013)*

Designing a next generation vaccinia virus using high through-put screening. *Stojdl D, McCart, JA. Canadian Cancer Society Research Institute (CCSRI) (\$200,000 2012-2014)*

Development of PRODIGI, a Handheld Optical Imaging Technology for Real-time Intraoperative-guidance of Breast Tumour Resection. *DaCosta R, Done S, Leong W, Wilson B, Easson AM. Canadian Institutes of Health Research. (\$145,000 2011- Present).*

Development of a Decision Rule for Discharging Patients following Colorectal Surgery based on Post-operative Serum C Reactive Protein and/or Procalcitonin Levels. *McLeod, R, Aarts MA, Marshall J, McCluskey S, Morris A, Okrainec A, Rotstein O, Stiel I, Canadian Institutes of Health Research (CIHR),* (\$489,000 2014-2015)

Enhanced Recovery after Surgery Guideline to Optimize Outcome following Colorectal Surgery. *McLeod, Robin, Aarts MA, Okrainec A, Siddiqui N, Gotlib-Conn L, McKenzie M, Pearsall E. Council of Academic Hospitals/Adopting Research to improve care* (\$1,729,505 2013-2015)

Evaluating a synoptic MRI report as a knowledge translation intervention for rectal cancer. *Kennedy ED, McLeod RS, Milot L, Fruitman M, Brown G, Victor JC. CCO/OICR Knowledge Translation Research Network.* (\$49,585 2012-2013)

Evidence Based Reviews in Surgery. *McLeod, RS. Ethicon and Ethicon Endosurgery* (\$35,000 1999-2013)

Evidence Based Reviews in Surgery. *McLeod, RS. American Board of Surgery* (\$20,000 2012-2014)

Generation of De Novo molecular targets for optical imaging-guided surgical interventions in breast cancer. *DaCosta R, Leong W, Wilson B, Done S, Easson AM. Cancer Care Ontario.* (\$100,000 2011-present)

Growth of Tumor Infiltrating Lymphocytes (TIL) and Tumor Cells (TC) from human melanoma explants. *Ohashi P, Nguyen L, Ghazarian D, Leung W, McCready D, Joshua, A, Rosenberug S, Easson, AM.* (2007-present)

Implementation of an Enhanced Recovery after Surgery (iERAS) program. *McLeod, Robin S. Allan Okrainec, Mary-Anne Aarts, Lesley Gotlib, Naveed Siddiqui. Council of Academic Hospitals of Ontario (CAHO)* (\$80,000 2014/01-2014/12)

Improving the quality of oncofertility decision making among young women at risk of infertility during cancer survivorship. *Baxter N, Kennedy E, Simmons C, Brezden-Masley C, Hicks L, Gupta A, Nathan P, Greenblatt E, Yee S. Canadian Cancer Society Research Institute* (\$299,936 2014-2017)

Improving the quality of rectal cancer multidisciplinary cancer conference (MCC) in the Toronto Central (South) LHIN. *Kennedy ED, McLeod RS, Brierley J, Jhaveri K, Kirsch R, Victor JC. Cancer Care Ontario.* (\$37,000 2012-2014)

Multimodal Optical Imaging of Breast Tumor Receptors for Diagnosis and Interventional Guidance In Vivo. *DaCosta R, Leong W, Easson A, Wilson B, Sidhu S, Done S. Canadian Breast Cancer Foundation (CBCF)* (\$440,000 2013-2016)

Novel Translational Mosaic Mouse Models of Sarcoma. *Gladdy, R. Murray Brennan Award.* (\$150,000 2013-2014)

Pan-Canadian Colorectal Cancer Consortium: Improving the health of Canadians by reducing colorectal cancer risk, by improving outcomes through earlier diagnosis and by improving therapeutic outcomes for those with more advanced disease. *Gallinger S, Gryfe, RN. Terry Fox Research Institute (TFRI)* (\$1,263,831 2012-2014)

Patient and physician preferences for the management of low rectal cancer. *McLeod RS, Kennedy ED, Smith A, Baxter N, Brierley J, Kim J, Victor C. American Society of Colon & Rectal Surgeons.* (\$49,690 2010-2014)

Population-based assessment of sleep deprivation in staff physicians and its impact on patient care and outcomes. *Govindarajan A, Baxter N, Gagliardi A, Juurlink D, Kennedy E, Murray B, Sutradhar R, Urbach D. Canadian Institutes of Health Research (CIHR)* (\$223,883 2013-2016).

Population-based assessment of sleep deprivation in staff physicians and its impact on patient care. *Govindarajan A, Baxter N. University of Toronto* (\$19,662 2013-2015)

Population-based assessment of sleep deprivation in staff physicians and its impact on patient care and outcomes. *Baxter N, Govindarajan A, Gagliardi A, Juurlink D, Kennedy E, Murray B, Sutradhar R, Urbach, D. Canadian Institutes of Health Research (CIHR)* (\$308,760 2013-2016)

Selected Therapies and Functional Genomics in Sarcoma. *Gladdy R. Ontario Institute for Cancer Research.* (\$1,750,000 2008-2014)

Sub-Project: SPOKE & GYPSY: Studies to Encourage Early Fertility Preservation Referral and to Predict Effects of Treatment on Fertility of Young Women with Breast Cancer. *Warner E, Glass K, Foong S, Kennedy ED. Canadian Breast Cancer Foundation / Canadian Institute of Health Research - Institute of Cancer Research,* (\$348,781 2014-2019)

Sub-Project: Knowledge to Action: Improving local therapy for young women with breast cancer across Canada. *Baxter N, Simunovic M, Tyldesley S, Quan ML, Kennedy ED. Canadian Breast Cancer Foundation / Canadian Institute of Health Research - Institute of Cancer Research,* (\$497,549 2014-2019)

Research and Investigations – MSB

N/A

Research and Investigations – SMH

A multidisciplinary approach to reducing positive margin rate in breast conserving surgery. *Simpson JS. St. Michael's Hospital* (\$5,000 2014-2015)

A phase II study to assess the safety and feasibility of refined selection criteria for pre-operative chemoradiation for rectal cancer. *Kennedy E, Baxter NN, Simunovic M, McLeod RS. MSH-UHN Academic Medical Organization Innovation Fund* (\$189,590 2013-2015)

A pilot randomized controlled trial to evaluate the efficacy of unfractionated heparin in septic shock. *Marshall JC, Zarychanski R, Fergusson DA.* (\$100,000 (2011- 2013)

A population-based study of cancer incidence and mortality in patients with solid organ transplants. *Baxter N, Brezden-Masley C, Hicks L, Kim J, Paterson M, Sutradhar R, Urbach D. Canadian Institutes of Health Research* (\$682,732 2011-2016)

Accelerated implementation diffusion of quality initiatives for rectal cancer across Canada using a multi-faceted knowledge translation strategy . *Kennedy E, Baxter NN, Simunovic M, McLeod RS. Canadian Partnership Against Cancer (CPAC)* (\$903,000 2014- 2017)

Addressing Key Knowledge Gaps and Building Capacity in Bariatric Care. *Rotstein O, Padwal R, Johnson J, Bacon S, Cheung A, Klarenbach S, Majumdar S, Twells L, Audas R, Boyd S, Chafe R, Denis R, Forhan M, Gregory D, Langlois MF, Mathus S, Pace D, Prado C, Santosa S. CIHR* (2013-2014) (Applied)

Age of blood evaluation (ABLE) trial in the resuscitation of critically ill patients. *Rizoli S, Lacroix J, Callum J; Robert Fowler (Site Co-Investigators) Canadian Institutes of Health Research (CIHR)* (2009-present)

American Board of Colon and Rectal Surgery COSATS Examination. *deMontbrun S, MacRae H, Steele S, Roberts P. Covidien.* (\$13,366 2012-2013)

An integrated multi-faceted knowledge translation intervention to improve bone health in men receiving androgen deprivation therapy for prostate cancer . *Jones J, Alibhai S, Kitto S, Catton C, Cheung A, Hamilton R, Warde P. Canadian Cancer Society.* (\$99,919 2013-2015)

Animals, Humans, and the Continuity of Evidence: A Study of Clinical Translation. *Marshall JC, Fergusson, DA; Kimmelman J, Grimshaw JA, Hackam DG, Knoll G, London AJ, Moher D, Ramsay TO, Sampson M, Stewart DJ, Weijer CE Canadian Institutes of Health Research (CIHR)* (\$273,952.00 2011-2014)

Bridging the gap: Implementing a complex intervention to improve communication and collaboration between surgeons and intensivists. *Nathens AB, Cuthbertson, Amaral, Coburn. Sunnybrook Health Sciences Centre Innovation Funding* (\$92,126 2013-2015)

Building Capacity for Population-based Lynch Syndrome Screening in Ontario . *Baxter N, Rabeneck L, Gagliardi A, Kennedy E, Timmouth J, Pollett A, Gallinger S, Covelli A, Facey M. OICR-CCO Knowledge Translation Network* (\$148,572 2014-2015)

Canadian Critical Care Knowledge Translation Network. *Lawless B, Muscedere J, Gibney N., Keenan, S., Lawless, B., Cook, D., Dodek, P., Heyland, DK., Martin, C., Scales, D., et al .CIHR* (\$599,611 2012-2015)

Cancer Care Ontario Health Services Research Chair. *Baxter, NN. Cancer Care Ontario Research Chair Award.* (\$1,000,000 2009-2014)

Catecholamines as outcome markers in traumatic brain injury (COMA). *Rizoli S. Physician Services Incorporated* (2011-2013)

Cellular and Molecular Mechanisms of Prolonged Neutrophil-Mediated Inflammation in Trauma and Sepsis: The Role of PBEF/Nampt/Visfatin. *Marshall JC. The Physicians' Incorporated Foundation* (\$169,500.00 2012-2014)

Cellular Immunotherapy for Septic Shock (CISS): A Phase I Trial. Marshall JC, McIntyre LA, Courtman DW, Fergusson DA, Granton JT, Lalu MM, Marshall JC, Mei SH, Stewart DJ, Walley KR, Winston BW. *Canadian Institutes of Health Research (CIHR)* (\$366,811 2012-2014)

Characterization of a novel, caspase-8 dependent survival pathway in inflammatory neutrophils. *Marshall, JC. Canadian Institutes of Health Research (CIHR)* (\$501,135 2009-2014)

Coagulopathy in Trauma: A Comparative Study. *Rizoli S. Defense Research and Development Canada* (2012-2016)

Clinical validation of multimodal neuroimaging and blood-based proteomics as novel biomarkers for the early diagnosis and management of mild traumatic brain injury. *Rizoli S. Canadian Institutes of Health Research (CIHR)* (2013-2014)

Combined in vitro/in vivo bioimaging approach for translational research in lung injury and repair. *Kuebler W, Kapus A, Rotstein O. Canadian Foundation for Innovation* (\$389,428 2012-2015)

Developing a Patient and Family-Centred Approach for Measuring the Quality of Trauma Care. *Nathens AB, Stelfox T. Canadian Institutes of Health Research (CIHR)* (\$628,692 2011-2015)

Developing objective structured assessments of technical skill, and establishing technical competence through standard setting. *de Montbrun S. Society for Surgery of the Alimentary Tract (SSAT)* (\$40,000 2013- 2015)

Development and Validations of a Curriculum for Laparoscopic Colorectal Surgery. *Grantcharov T. American Society of Colon & Rectal Surgeons* (\$47,214 2012-2013)

Development of Rotational Thromboelastometry (ROTEM) based transfusion guidelines for the optimal management of early resuscitation of bleeding trauma patients. *Rizoli S, Veigas P. Canadian Institute Health Research (CIHR)* (2013- 2014)

Effect of Remote Ischemic Preconditioning on Neutrophil Function and the Immune- Inflammatory and Coagulation Profiles in Trauma Patients with Hemorrhagic Shock. *Rotstein OD, Rizoli SB, Leung CH, Rhind S. Canadian Institutes of Health Research* (\$141,790 2013-2016) (Applied)

Effective systems for procedure specific Health Care Simulation Grantcharov T. *Ontario Research Fund (ORF)* (\$4,794,875.40 2011-2016)

Efficacy and Safety of Mesenchymal Stromal Cells for Pre-Clinical Acute Lung Injury: A Systematic Review and Meta-Analysis. *Marshall JC, McIntyre C, Lauralyn A, Fergusson D, Griffin G, Grimshaw J, Lалу M, Macleod M, Mei S, Rudnick M, Stewart D, Turgeon. A Canadian Institutes of Health Research* (\$97,638 2012-2013)

Elderly burn patients: improving outcome and quality of life. *Nathens AB, Jeschke M. Canadian Institutes of Health Research (CIHR)* (\$640,100 2013-2018)

Establishment and maintenance of an educational program in simulation and minimally invasive surgery. *Grantcharov T. St. Michael's Hospital Foundation* (\$4,000,000 2010-2019)

Evaluating quality improvement interventions in colorectal cancer surgery in Ontario . *Simunovic M, Baxter N, Brouwers M, Earle C, Forbes S, Smith A, Stukel T, Urbach D . Canadian Institutes of Health Research* (\$619,015 2012-2017)

Evaluation research of meta-leadership in health professions education program . *Kitto S, Goldman J. Ontario Simulation Network* (\$9,950 2013-2014)

Exploring factors that influence breast reconstruction use and outcomes: Phase I: How do physician attributes influence reconstruction decision making? *Musgrave M, Baxter N, Gagliardi A. Canadian Breast Cancer Foundation* (\$300,000 2011-2014)

Exploring parent-health care provider decision making practices for children with complex health care needs receiving home care services. *LeGrow K, Cohen E, Espin S, Gibson B, Kitto S, Nicholas D. The Hospital for Sick Children* (\$26,152 2014/01-2014/12)

From Bench to Bedside to Curbside. *Rotstein O, Slutsky AS, Dorian P, Morrison L, Spence J, Baker AJ, Lavery J, Fowler R, Black S, Sibbald W, Redelmeier. Heart and Stroke Foundation of Canada (HSFC)* (\$1,500,000 2010-2016)

From Bench to Bedside to Curbside. *Rotstein O, Slutsky AS, Dorian P, Morrison L, Spence J, Baker AJ, Lavery J, Fowler R, Black S, Sibbald W, Redeimeier National Institutes of Health (NIH) (USA)* (\$648,000 2010-2016)

From Bench to Bedside to Curbside. *Rotstein Ori, Slutsky AS, Dorian P, Morrison L, Spence J, Baker AJ, Lavery J, Fowler R, Black S, Sibbald W, Redeimeier. Canadian Institutes of Health Research (CIHR)* (\$1,057,000 2009-2016)

Glucose control in severely burned patients: a prospective trial . *Nathens AB, Jeschke, Marc. Canadian Institutes of Health Research (CIHR)* (\$938,025 2014-2019)

High risk lung cancer screening. *Paszat, L, de Kooning H, Rabeneck L, Baxter N, McGregor L. Cancer Care Ontario (CCO)* (\$751,600 2013-2014)

HL-10-006 Toronto Regional Coordinating Center Clinical Research Consortium to Improve Resuscitation Outcomes. *Rotstein O, Morrison L, Baker A, Brooks S, Cheskes S, Craig A, Dainty K,*

Dorian P, Feldman M, Foeree R, Hutchinson J, Ferguson N, Laupacis A, MacDonald R, Mamdani M, Moran P, Nathens A, Needham D, Redelmeier D, Rizoli S, Rubenfeld G, Scales D, Schull M, Schwartz B, Slutsky A, Spence J, Stuss D, Verbeek R, Wax R National Institutes of Health (NIH) (USA) (\$1,009,800 2010-2016)

HL-10-006 Toronto Regional Coordinating Center; Clinical Research Consortium to Improve Resuscitation Outcomes. Nathens AB, Morrison LJ, Dorian P, Cheskes S, Slutsky A. *National Institutes of Health (NIH) (USA) (\$1,110,780 2010-2015)*

How do cell contacts regulate the expression of their components? Szaszi K. *Natural Sciences and Engineering Research Council of Canada (NSERC) (\$130,000 2012-2017)*

Hypertonic modulation in Inflammation and Coagulation Following Injury. Rizoli S, Bulger E., Washington University, Seattle; Wolfgang Y., Harvard Medical School; Rhind S., Defense Research and Development Canada (Co-principal investigators) *Defense Research and Development Canada / National Institutes of Health (2007-present)*

Improving cancer screening among First Nations and Métis. Tinmouth J, Baxter N, Borkhoff C, Deber R, Dobrow M, Gesink D, Jackson S, Llovet D, Lofter A, Marrett L, Mackinnon M, Paszat L. *Canadian Institutes of Health Research Partnerships for Health System Improvement Grant (\$562,491 2013-2017)*

Improving Implementation: Exploring the uptake of safe surgery checklists. Kitto S, Espin S, Safir O, Grant R. *Faculty of Community Service, Ryerson University (\$9,125 2014/05-2014/12)*

Improving the quality of oncofertility decision making among young women at risk of infertility during cancer survivorship. Baxter NN, Kennedy, E Simmons C, Brezden-Masley C, Hicks L, Gupta A, Nathan P, Greenblatt E, Yee S, Covelli A, Srikanthan A, Facey M. *Canadian Cancer Society Research Institute (CCSRI) (\$299,936 2014-2017)*

IMS Open Award Scholarship Rizoli S. *Institute Medical Sciences - University of Toronto (2013-2013)*

Initiative to Maximize Progress in Adolescent Cancer Therapy (IMPACT). Baxter N, Nathan P, Alexander S, Barr R, Greenberg M, Gupta S, Gupta A, Hicks L, Johnston D, Pole J, Sussman J, Sutradhar R, Paszat L. *C17 Research Network (\$179,676 2013-2015)*

Interprofessional collaboration within the health professions in South Tyrol, Italy: How do the different professions view and evaluate the current status of interprofessional collaboration. Reeves S, Mischo-Kelling M, Tappeiner W, Lochner L, Vittadello F, Kitto S. *National Agency: Provincia Autonoma di Bolzano Italy (\$272,625 2013-2015)*

Interprofessional disaster preparedness for Japanese health care students and professions. Ohshima N, Bontje P, Oneyama H, Yoshiura T, Reeves S, Kitto S. *Ministry of Health, Japan (\$133,000 2013-2016)*

Initiative to Maximize Progress in AYA Cancer Therapy (IMPACT). Baxter N, Nathan P, Alexander S, Barr R, Greenberg M, Gupta S, Gupta A, Hicks L, Johnston D, Pole J, Sussman J, Sutradhar R, Paszat L. *Canadian Institutes of Health Research (CIHR) (\$913,870 2014-2019)*

Knowledge to Action: Improving local therapy for young women with breast cancer across Canada. *Baxter N, Simonovic M, Quan ML, Tyldesley S, Cao J, Hebbard P, Latosinsky S, Olivotto I, Winget M, Provencher L, Wright F, Lemieux J, Kennedy E, Sutradhar R. Canadian Breast Cancer Foundation (CBCF) - Canadian Institutes of Health Research (CIHR) (\$497,549 2014-2019)*

Long-term live fluorescent imaging system for monitoring site-specific functions in epithelia. *Szaszi K, Kapus A. Natural Sciences and Engineering Research Council of Canada (NSERC) (\$150,000 2014)*

Long-term physical and psychological outcomes in colorectal cancer survivors. *Hart T, Baxter N, Gallinger S, Cotterchio M. Canadian Institutes of Health Research (\$144,487 2012-2014)*

Management and health outcomes in adolescents with non-Hodgkin lymphomas in Ontario. *Baxter N; Paul N, Alexander S, Barr RD, Greenberg ML, Gupta S, Hicks L, Pole J Pediatric Oncology Group of Ontario (POGO) Unit Seed Funding (\$14,934 2013-2017)*

Mechanisms of macrophage priming for LPS signaling by oxidative stress. *Rotstein O. Canadian Institutes of Health Research (CIHR) (\$713,605 2010-2015)*

Molecular and cellular mechanisms underlying chronic kidney disease. *Szaszi K. Ontario Ministry of Research and Innovation (ON) (\$100,000 2010-2015)*

Pan-Canadian Colorectal Cancer Consortium. *Baxter N, Gallinger S, Basik M, Batist G, Diaz Z, Gryfe R, McLaughlin J Pollett A, Spatz A. Terry Fox Research Institute Special Program Funding (\$2,500,000 2012-2017)*

Pandemic Preparedness in the Interpandemic Period: ISARIC, InFACT, and the Global Response to Emerging Infectious Disease Threats. *Marshall JC, Heslegrave RJ, Halperin SA. Canadian Institutes of Health Research (CIHR) (\$25,000 2012-2013)*

Participation in the ColonCancerCheck Program. *Baxter NN, Bierman A, Del Guidice L, MacKinnon M, Paszat L, Rabeneck L, Sutradhar R, Tinmouth J, Urbach D. Cancer Care Ontario (CCO) (\$219,842 2011-2014)*

Population-based assessment of sleep deprivation in staff physicians and its impact on patient care and outcomes. *Baxter NN, Govindarajan, A, Gagliardi A, Juurlink D, Kennedy E, Murray B, Sutradhar R, Urbach D. Canadian Institutes of Health Research (CIHR) (\$308,760 2013-2016)*

Peer Education with Intersecting Networks: The SACME Project in South Bronx Public Housing-Implementing the Diabetes Prevention Program among those most at risk and their healthcare providers. *Morrow R, Norwood C, Kitto S, Alexis K, Tiburcio J. Society for Academic Continuing Medical Education (SACME) (\$10,000 2013- 2014)*

Pre-consultation Educational Group Intervention to Improve Shared Decision-Making for Postmastectomy Breast Reconstruction: A Randomized Controlled Trial. *Zhong T, Baxter N, Metcalfe K,*

Jones J, Hofer S, O'Neill A, Panzarella T, Cheng T, Platt J, Hoch J, Isaranuwachai W. Canadian Cancer Society Research Institute (CCSRI) (\$291,929 2013-2014) (Applied)

Professional Development Grant. Simpson JS. Royal College for Physicians and Surgeons of Canada (\$5,000 2013-2014)

PROSPECT: Probiotics: Prevention of Severe Pneumonia and Endotracheal Colonization Trial (PROSPECT): A Pilot Trial. Marshall JC, Cook DJ. Canadian Institutes of Health Research (\$223,231 2013-2015)

Prospective randomized optimal platelet and plasma ratio trial. Rizoli S, Holcomb J. CIHR and Defense Research and Development Canada (2012-2016)

Refinement and Assessment of a Personalized Multifaceted Care Plan – Using Knowledge Translation To Engage, Educate and Enable Breast Cancer Patients To Become Self-Care Advocates in a Chronic Care Model. Simpson JS, Haq R, Brezden-Masley C, Simpson JS, Richter S, George R, Rackal J, Leung F, Dastur D, Vu K. Wings of Hope Charitable Foundation and Astrazeneca Biopharmaceutical (\$68,000 2013-2013)

Regulation of ADAM17/TACE by Tumor Necrosis Factor- α in tubular epithelium: role in junction regulation and wound healing. Szaszi K. Kidney Foundation of Canada (KFC) (\$100,000 2012-2014)

Resuscitation in Motion 2014: Building networks of excellence to advance resuscitation science research, development and practice. Rotstein O, Morrison L, Baker A. Canadian Institutes of Health Research (CIHR) (\$24,600 2013-2014)

Resuscitation outcomes consortium - from bench to bedside to curbside. Rizoli S, Slutsky AS. National Institutes of Health / Canadian Institutes of Health Research (CIHR) / Heart and Stroke of Canada (2004-2015)

SACME Terminology Project, Phase 2. Van Hoof T, Kitto S. Society for Academic Continuing Medical Education (SACME) (\$180,000 2013-2014)

Sepsis in emergency general surgery admissions: protocol for a multicentre audit. Rezende-Neto JB. International Source (2013-present)

Sepsis Outcomes National Registry to Improve Survival. Marshall JC, Boyd J, Doig C, Hancock R, Kubes P, Russell J. Canadian Institutes of Health Research (CIHR) (\$200,000 2011-2014).

Should All Young Women with Breast Cancer be Treated by Mastectomy? Quan ML, Baxter N, Hanna W, Paszat L, Rakovitch E, Saad R, Sawka C, Warner E, Wright F. Canadian Breast Cancer Foundation (CBCF) (\$287,575 2008-2013)

Structures and processes of care in colorectal cancer surgery. Baxter N, Urbach D. Canadian Institutes of Health Research (\$1,047,225 2008- 2013)

The impact of 1red blood cell: 1plasma: 1platelet transfusion versus laboratory-guided transfusion on coagulation in bleeding trauma patients. *Rizoli S, Nascimento B. Dean's Fund of the University of Toronto* (2013-2014)

The role of remote ischemic preconditioning (RIPC) in preventing organ dysfunction following hemorrhagic shock. *Rotstein OD, Caldarone C, Leung CH. MITACs Accelerate PhD Fellowship* (\$96,000 2014-2016)

The use of human acellular dermal matrix in one-stage implant breast reconstruction: A multicenter, randomized, controlled trial. *Zhong T, Baxter N, Hofer S, Semple J, Brown M, Beber B, Macadam S, Hoch J, Lennox P, Devins J Canadian Breast Cancer Foundation (CBCF)* (\$368,449 2012-2015)

The Young Adult Survivors of Cancer Study. *Baxter N, Del Giudice L, Paszat L, Rabaneck L, Sutradhar R, Urbach D. Canadian Institutes of Health Research (CIHR)* (\$351,000 2008-2014)

Toronto LHIN Wellness Patient Transition. *George R. Cancer Care Ontario* (\$100,000 2013-2014)

Trauma System Development in Canada: Overcoming the Challenges of Geography Through an Evaluation of Structure and Process. *Nathens AB, Cusimano M, Gagliardi A, Gomez D, Haas B, Hameed M, Lawless B, Morrison L, Peters P, Pong R, Rubinfeld G, Schurmann N, Snider C, Tallon J. Canadian Institutes of Health Research (CIHR)* (\$2,264,139 2010-2015)

Understanding the nature of interprofessional teamwork in intensive care units: a multi-institutional ethnographic study. *Reeves S, Kitto S, Provonost P, Grouper M, Aboumatar H, Wachter B Gordon & Betty Moore Foundation, California* (\$2,167,937 2012-2015)

Utilization of Breast Reconstruction in the Treatment of Breast Cancer in Ontario and Identification of Barriers of Access: A Population-Based Study . *Baxter NN, Zhong T, Davidge K, Hofer S, Musgrave M, Platt J, Sutradhar R, Urbach D. Canadian Breast Cancer Foundation* (\$257,474 2011-2014)

Research and Investigations – Sunnybrook

A novel radiofrequency coil device for ablation of breast tumours: Development and testing of an immobilization and localization system for accurate coil deployment in breast tissue. *McCann C, N Look Hong, Sherar M, Pignol JP, Wright FC. Sunnybrook Health Sciences Centre* (Toronto, ON) (\$10,000 2013-2013)

A Patient-Centred Approach Toward Surgical Wait Times. *Holloway C, Coburn NG, Cordeiro E. Sunnybrook General Surgery Associates Academic Enrichment Grants* \$10,000 2013-2014.

A population-based outcome and economic evaluation of interventions for gastric cancer. *Coburn N, Early C, Johnson A, Karanicolas P, Kiss A, Krahn M, Law C, Mahar A, Paszat L, Wright F, Irish J, Mcleod R, Brar S, Dixon M, Dobrow, M. Canadian Institutes of Health Research (CIHR)* (\$288,133 2012-2015)

A population-based outcome and economic evaluation of interventions for gastric cancer. *Karanicolas PJ, Coburn N. CIHR* (\$28,133 2012-2015)

A Virtual Education Tool to Empower Patients and Families for Safe and Effective Transition from Acute to Home Care. *Karanicolas PJ. AHSC* (\$100,000 2014-2016.)

Accelerated Diffusion of Strategic Quality Initiatives for Diagnosis and Treatment of Cancer. *Holloway C. Cancer Care Ontario, Kaan M, Padewski S, Sarsfield L, Matheson G. Canadian Partnership Against Cancer* (\$865,000 2014-2016)

Accurate and early detection of metastatic colorectal cancer with contrast-enhanced magnetic resonance imaging. *Karanicolas PJ, Cheung H. CHRP* 2014 2016 Applied

Advanced Minimally Invasive Surgery Simulation-Based training to Learners of all Levels. *Ashamalla S, Law C, Tepper J, Rynziski A, Tarshis J. Johnson and Johnson* (\$150,000 2013-2014)

An innovative programme for teaching faculty an advanced minimally invasive surgical technique. *Ashamalla S. Adjudication Committee* (\$9,391 2014-2015)

Breast Ablation Therapy (BAT). A novel treatment paradigm for early breast cancer. *McCann C, Look Hong N, Sherar M, Pignol JP, Wright FC. Tiffen Foundation* (\$70,000 2014-2014)

Bringing evidence to the bedside: implementing an evidence-based clinical pathway for patients undergoing pancreatic cancer surgery. *Wei A, Gallinger S, Urbach D, Karanicolas PJ. Canadian Cancer Society Research Institute* (\$100,000 2013-2015)

Canadian Colorectal Cancer Consortium (C4): Clinical and Molecular Screening in Patients with Colorectal Cancer and their Family Members. *Smith AJ, Gallinger S, Batist G, Hsieh E, Pollett A, Baxter N, Gryfe R, Ferguson S, Hart T. Terry Fox Research Institute (TFRI)* (\$1,263,831 2012-2014)

Coagulopathy in Trauma: A Comparative Study between ROTEM and TEG. *Nascimento, B. Defense Research and Development Canada, Canadian Department of National Defence* (\$154,976 2012/07)

COMA Study – Catecholamines in Isolated Traumatic Brain Injury. *Nascimento B, Rizoli S. Physicians Services Incorporated Foundation (The) (PSI)* (\$75,000 2012-present)

Development and Implementation of an Educational Intervention to Optimize Communication and Care of Patients with Resectable Pancreatic Cancer from Diagnosis to Treatment. *Karanicolas P, Harth T, Gotlib Conn L, Wei A, Jayaraman S, Coburn N, Ellis J. Pancreatic Cancer Canada* (\$91,400 2014-2016)

Electronic Care Plan: A Personalized, Patient-Centred Approach to Colorectal Cancer Care. *Karanicolas PJ, Harth T, Barry S. Canadian Institutes of Health Research (CIHR)* (\$96,950 2014-2015)

Evaluating quality improvement in colorectal cancer surgery in Ontario. *Smith AJ, Simunovi M, Baxter N, Forbes S, Urbach D, Brouwers M, Earle C, Stukel T. Canadian Institutes of Health Research (CIHR)* (\$619,014 2012-2015)

Evaluating Quality Improvement Interventions in Colorectal Cancer surgery in Ontario . *Smith AJ, Simunovic M, Urbach D, Baxter N, Stukel T, Earle C, Smith AJ, Brouwers M, Forbes S.* *Canadian Institutes of Health Research (CIHR)* (\$769,917 2012-2015)

Evaluating the effectiveness of organized breast assessment among women screened in the Ontario Breast Screening Program. *Chiarelli A, Holloway C, Mirea L, Muradali D, O'Malley FP, Quan ML.* *Canadian Institutes of Health Research* (\$463,733 2013-2016)

Fibrinogen in the Initial Resuscitation of Severe Trauma: a randomized feasibility trial. *Nascimento B.* *Canadian Forces Health Services & CSL Behring Can* (\$540,262.40 2014/04-present)

Hepatic Artery Infusional Pump Chemotherapy for Unresectable Colorectal Liver Metastases: A Feasibility Study. *Karanicolas P, Milot L, Ko YJ.* *Canadian Cancer Society* \$100,000 2013/01-2013/12

Hepatopancreaticobiliary Community of Surgical Oncologists: Clinical, Evaluative, and Prospective Trails Teams (HPB CONCEPT Team). *Karanicolas P, Guyatt G, Barkun J, Dixon E, Porter G, Wei A.* *Canadian Institutes of Health Research* (\$24,900 2013-2014)

Identifying Risk Factors for Blood Loss and Blood Transfusion in Patients Undergoing Major Liver Resection. *Karanicolas PJ.* *Sunnybrook Health Sciences Centre* (\$8,500 2013-2014)

Implementation and assessment of a novel multidisciplinary e-discharge summary to improve efficiency, satisfaction and safety of transfer of care for complex patients. *Tremblay L, Etechells E, Chan K, Farquharson L.* *Sunnybrook AFP Association* (\$71,342 2011-present)

Implementation of a Remote Thromboelastometry-guided Transfusion Algorithm to Improve Transfusion Decisions in Trauma. *Nascimento B, Rizoli S.* *Ontario AHSC AFP Innovation Fund* (\$98,000 2012/09-present)

Improving Cancer Symptom Management Through Knowledge Translation. *Smith AJ, Bryant-Lukosius D, Cummings G, Farrelly L, Fitch M, Forbes M, Green E, Greenberg A, Manii D, Martelli-Reid L, Miller P, Molloy S, Pond G, Seow H, Smith AJ, Snider A, Watson L, Wiernikowski J.* *Canadian Cancer Society Research Institute (CCSRI)* (\$100,000 2012-2014)

Innovation in abdominal wall reconstruction for complex ventral hernias using a new porcine biologic tissue matrix. *Smith AJ, Brenneman F , Smith AJ, Tien H, Sawyer J, Spencer F.* *Sunnybrook* (\$95,000 2012-2014)

Innovation in Abdominal Wall Reconstruction for Complex Ventral Hernias Using a New Porcine Biologic Tissue Matrix. *Brenneman F, Spencer F, Tien H, Smith A, Sawyer J.* *Ministry of Health of Ontario* (\$95,000 2012-2014)

Magnetic resonance-guided focused ultrasound for recurrent rectal cancer-a pilot study . *Smith AJ, Chu W, Hynynen K, Czarnota G, Wong S, Milot L, Chan K, Chopra R.* *Canadian Cancer Society* (\$132,000 2011-2014)

Making surgery better: Developing an Enhanced Recovery after Surgery (ERAS) program undergoing pancreaticoduodenectomy. *Karanicolas PJ, Wei AC. Pancreatic Cancer Canada* (\$100,000 2014-2016) Applied

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Karanicolas P, Wei A, McHardy P, Sawyer J, Law C, Coburn N, Cleary S, McCluskey S, Kiss A, Behman R, Lam-McCulloch J. Sunnybrook Health Sciences Centre (Toronto, ON)* (\$98,562 2013-2015).

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Karanicolas P, Wei A, McHardy P, Sawyer J, Law C, Coburn N, Cleary S, McCluskey S, Kiss A, Behman R, Lam-McCulloch J. AHSC* (\$98,562.25 2013-2015)

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Clarke H, Karanicolas P, Wei A, McCluskey S, Ko R, Cleary S, McHardy P, Katz J, Ladak S, Sawyer J, Kiss A. University Health Network* (\$126,949.40 2013-2015)

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Karanicolas, P, Wei A, McHardy P, Sawyer J, Law C, Coburn N, Cleary S, McCluskey S, Kiss A, Behman R, Lam-McCulloch J. SHSC AFP Innovation Fund* (\$98,562 2013-2015)

Multicentre Lymphadenectomy Trial Part 2. Wright F, Morton D. National Institute of Health, United States. (2009-present)

Optimizing Inter-professional communication between Surgical Nurses and House Staff: An Exploratory Study. *Coburn N.* (\$99,986 2014-2016)

Optimizing surgeon-patient communication following pancreatic cancer resection: a qualitative needs assessment. *Karanicolas, P, Wright F, Gottlieb Conn L, Harth T, Blakely K. Sunnybrook Education Advisory Council* (\$8,400 2014-2015)

Optimizing surgeon-patient communication following pancreatic cancer resection: A qualitative needs assessment. *Karanicolas P. Sunnybrook AEF* (\$10,000 2014-2015)

Population based analysis of neuroendocrine tumours: Epidemiology, Processes of Care and Outcomes in Ontario. *Singh, S, Law, CHL. University of Toronto* (\$10,000 2009- 2014)

Potentiating antiangiogenic cancer therapy with the antivascular effects of ultrasound stimulated microbubbles. *Goertz D, Hynynen K, Law C, Kerbel R. Canadian Institutes of Health (CIHR)* (\$314,396 2014-2017)

Pre-operative radiological staging modalities in the treatment of gastric cancer. How accurate are we? *Coburn N, Law C.* (\$99,000 2013)

Pre-operative radiological staging modalities in the treatment of gastric cancer. How accurate are we? *Law C, Coburn N. AEF* (\$9,900 2014-2015).

Prospective, Randomized Optimal Platelet and Plasma Ratios (PROPR) Study. *Tien H, Rizoli S, Callum J. Canadian Forces Health Services and Defence Research Development Canada* (\$1,200,000 2011-2015)

Rapid Genetic Testing for BRCA1 and BRCA2 in newly diagnosed breast cancer patients. *Wright F, Metcalfe KA, Narod S, Eisen A, Akbari M, Kiss A, Chun K, Cil T, McCreedy D, McGillis Hall L, Wright FC. Canadian Institutes of Health Research (CIHR)* (\$321,439 2013-2018)

Screen-Net Ontario: The Ontario Cancer Screening Research Network. *Paszat L, Holloway C, Rakovitch E, Seth A, Hanna W, Murphy J, Kupets R, Baxter N, Timmouth J, Hsieh E, Fleshner N, Chiarelli A, Aubera Z, vanBallegooijen M, Lansdorp-Vogelaar I, Andrulis I, Knight J. Cancer Care Ontario* (\$1,180,000 2011-2016)

Survival, Treatment Patterns and Identifying predictors of receipt of adjuvant therapy for curative pancreatic adenocarcinoma: a population-based analysis. *Coburn N, Mittmann N, Earle C, Barbera L. Cancer Research Society (The)* (\$120,000 2013-2015)

Surveillance after curative-intent resection of colorectal cancer in Ontario: are we misallocating scarce resources. *Law C, Muir J. Colon Cancer Canada* (\$50,000 2013-2015)

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. *Smith AJ, Wijeyesundera DN, Cuthbertson B, Beattie W, Chan V, Croal B, Granton J, Hoch J, Mamdani M, Mazer D, McCartney C, Oh P, Pearse R, Thorpe K, Wijeyesundera H. Canadian Institutes of Health Research (CIHR)* (\$967,068 2012-2016)

The impact of an institutional multidisciplinary tracheostomy team on patient care and clinical outcomes: An observational before and after cohort study. *Chu P, Chapman M, Tien H, Tremblay L. Sunnybrook General Surgery AEF Grant* (\$9,750 2014-present)

The impact of an institutional multidisciplinary tracheostomy team on patient care and clinical outcomes: An observational before and after cohort study. *Chu P, Chapman M, Tien H, Tremblay L. Sunnybrook AFP Association* (\$10,000 2012/05-present)

The use of extended perioperative low molecular weight heparin to improve cancer specific survival following surgical resection of colon cancer: A randomized controlled trial. *Auer R, Carrier M, Smith AJ, Allan D, Jonker D, Mamazza J, Tagalakis V, Wells P. Canadian Institutes of Health Research (CIHR)* (\$800,000 2010-2014)

Tranexamic Acid Versus Placebo to Reduce Perioperative Blood Transfusion in Patients Undergoing Major Liver Resection: A Pilot Randomized Controlled Trial. *Karanicolas PJ. Canadian Institutes of Health Research (CIHR)* (\$248,319 2014-2016)

Innovation in abdominal wall reconstruction for complex ventral hernias using a new porcine biologic tissue matrix. *Smith AJ, Brenneman F, Tien H, Sawyer J, Spencer F. AHSC AFP* (\$95,000 2012/03-2014)

Research and Investigations – UHN- PMH

Breast cancer risk assessment using optical transillumination spectroscopy. *Lothar L, McCreedy DR. Canadian Institutes of Health Research (CIHR)* (\$661,302 2009-2014)

Clinical Validation of PRODIGI, a New Handheld Optical Imaging Technology for Real-time Intraoperative-guidance of Breast Tumour Resection. *DaCosta. R, Leong, WL, Wilson B, Done S, Easson A. Canadian Institutes of Health Research (CIHR)* (\$160,000 2011-2013)

Enhancing inter-professional collaborative care for cancer: Evaluation of diagnostic assessment programs. *Gagliardi AR, Stuart-McEwan T, Gilbert J, Dobrow M, Hoch J, Wright FC, Brouwers MC, Meertens E, Kaan M, Campbell B, McCreedy DR, Waddell T, McKnight S, Lacourciere J, McFadyen C, Berry M, Kaune S, Doiron G. Canadian Breast Cancer Foundation (CBCF)* (\$431,306 2012-2015)

Establishing TRB3 as a therapeutic target in breast cancer. *Reedijk M. Canadian Breast Cancer Foundation – Ontario Region* (\$389,694 2013-2016)

Evaluation of Breast Cancer Surgical Margin Assessment with Optical Coherence Tomography (OCT) - intra-operative study. *Leong W, Done S, Wilson B. Perimeter Medical Imaging, Inc* (\$600,000 2014-2016)

Expansion of the Gattuso Rapid Clinic for Breast Cancer. *McCreedy DR. Slaughter and Gattuso Family Foundation and Princess Margaret Hospital Foundation* (\$2,000,000 2009-2018)

Formation and Evaluation of a Rapid Diagnostic Clinic for Breast Cancer. *McCreedy DR. Slaughter and Gattuso Family Foundation* (\$12,500,000 2008-2018)

Generation of De Novo molecular targets for optical imaging-guided surgical interventions in breast cancer. *Leong WL, DaCosta, R, Sidhu S, Easson A, Done SJ. Cancer Care Ontario* (\$70,000 2011-2013)

Multimodal Optical Imaging of Breast Tumor Receptors for Diagnosis and Interventional Guidance In Vivo. *DaCosta R, Wilson B, Foster S, Zheng G, Sidhu S, Leong WL. Canadian Breast Cancer Foundation (CBCF)* (\$437,000 2013-2016)

Personalized Medicine with Targeted and Genome-Wide Sequencing. *Neel B, Siu L, Onetto N, Ghai S, Murphy K, Haider M, Jaffray D, Shaw P, Asa S, Tsao M, Kamel-Reid S, McPherson J, Stein L, Jurisica I, Moore M, Oza A, Shepherd F, Leighl N, Liu G, Reedijk M, Chen E, Hedley D, Bedard P, Minden M, Stambolic V. Cancer Care Ontario* (\$1,182,500 2011-2016)

Randomized clinical trials for breast cancer. *McCready, D. National Surgical Adjuvant Breast and Bowel Project (NSABP) Operations Center* (\$12,730 2013/01-2013/12)

Rapid genetic testing for BRCA1 and BRCA2 in newly diagnosed breast cancer patients. *Metcalfe K, Narod SA, Eisen AF, Akbari M, Kiss A, Wright F, Chun K, McCready DR, Cil T, McGillis Hall L. Canadian Institutes of Health Research (CIHR)* (\$1,607,195 2013-2018)

Sentinel node biopsy following neoadjuvant chemotherapy in biopsy proven node positive breast cancer. A multi-institutional prospective study furthering the treatment of breast cancer. *McCready D. Groupe De Recherche En Cancer Du Sein* (\$4,000 2011-2014)

The Role of Notch in Breast Cancer Microenvironment Crosstalk. *Reedijk M, Ohashi P. Susan G. Komen Breast Cancer Foundation (The)* (\$1,000,000 2013-2017)

Research and Investigations – UHN- TGH

A Multi-Institutional Phase II Study of Neoadjuvant Gemcitabine and Oxaliplatin with Radiation Therapy in Patients with Pancreatic Cancer. *Wei A, Zalupski Z, Dawson L, Wei AC, Ringash J (Co-Investigators at the University of Toronto). Sanofi Aventis* (2008-present)

A Phase II study of Perioperative Chemotherapy plus Panitumumab in Patients with Colorectal Cancer Liver metastases. *Cleary SP, Welch S, Moore M. Amgen Canada Inc* (2010- present)

ACOSOG Z5041. Phase II study of preoperative gemcitabine and erlotinib plus pancreatectomy for patients with operative pancreatic adenocarcinoma. *Wei A, Pisters P, Wei AC, Moore M. ACOSOG* (\$150,000 2010-2014)

Adapting Psychological Skills to Surgery: A Response to Physician Stress and Burnout . *Moulton, CA, Sonnadara R, Cil T, Deshauer S, Mutabdzic, D. The Canadian Physician Health Institute* (\$36,290 2014-2015)

Biliary Complications after Paediatric Liver Transplantation: Incidence, Impact and Opportunities for Improvement. *Ghanekar A, Kamath B. Ashley's Angels Foundation* (\$8,616 2012-2013)

Bringing evidence to the bedside: Implementing an evidence based clinical pathway for patients undergoing pancreatic cancer surgery. *Wei A. CCSRI* (\$100,000 2013-2015)

Cholangiocyte differentiation from stem cells: biliary disease in a dish . *Ghanekar A, Kamath B, Keller G. Hospital for Sick Children* (\$56,000 2012-2013)

Coaching Surgeons: The Pursuit of Surgical Excellence. *Moulton CA, Mutabdzic D. The Canadian Medical Protective Association* (\$24,400 2014-2015)

Colon Cancer Family Registry Cohort (CCFRC) - Phase IV. *Gallinger S. National Institutes of Health (NIH) (USA) (\$350,000 2013-2018)*

CREMS Summer Program. *Moulton CA, Glatt D. Canadian Institutes of Health Research (CIHR) (\$2,750 -2013/05-2013/09)*

Developing a model for coaching in surgery. *Moulton CA, Mutabdzic D. Royal College of Physicians and Surgeons of Canada (The) (\$45,000 2013/07 -2014/06)*

Development and Implementation of an Educational Intervention to Optimize Communication and Care of Patients with Resectable Pancreatic Cancer from Diagnosis to Treatment. *Wei A. Pancreas Cancer Canada (2014/05) Applied*

Early Researcher Award. *Moulton CA. Ministry of Research and Innovation (MRI) (Ontario) (\$140,000 2011-2016)*

Evaluating quality improvement interventions in colorectal cancer surgery in Ontario. *Simunovic M, Baxter N, Brouwers M, Earle C, Forbes S, Smith A, Stukel T, Urbach D. Canadian Institutes of Health Research (CIHR) (\$619,014 2012-2015)*

Exome sequencing of familial colorectal cancer type X. *Gallinger S, McPherson J., Woods M. Canadian Cancer Society Research Institute (CCSRI) (\$419,240 2011-2014)*

Hallmarks and Therapeutic Implications of "BRCAness" in Pancreatic Cancer. *Gallinger S, Zogopoulos G, Hedley D, Bristow R, Serra S, Akbari MR, Dhani N. Canadian Cancer Society Research Institute (CCSRI) (\$1,229,505 2014-2019)*

Hepatopancreaticobiliary Community of Surgical Oncologists: Clinical, Evaluative, and Prospective Trials Team (HPB CONCEPT Team) *Wei A, Karanicolas P, Henry G, Barjun J, Dixon E, Porter G. Canadian Institutes of Health Research (CIHR) (\$24,900 2013-2014)*

High resolution genetic analysis of genetic loci implicated in colorectal cancer . *Hudson T, Gallinger S, Lemire M, Peltekova V. Canadian Institutes of Health Research (CIHR) (\$798,539 2010-2015)*

Identification and Characterization of Tumour-Initiating Cells in Primary Human Hepatocellular Carcinoma. *Ghanekar A, Dick J. Cancer Research Society (\$118,580 2012-2014)*

Identifying Inherited Pancreas Cancer Genes. *Gallinger S. W Garfield Weston Foundation (\$600,000 2012-2015)*

Implementing an evidence based clinical pathway for patients undergoing pancreatic cancer surgery. *Urbach DR, Wei A, Gallinger S, Karanicolas P. Canadian Cancer Society Research Institute (CCSRI) (\$100,000 2013-2015)*

Initiating a national quality agenda in hepato-pancreato-biliary surgery: How should we improve surgical care? *Cleary SP, Wei A . Canadian Institutes for Health Research (\$24,617 2013-2014)*

Initiating a national quality agenda in hepato-pancreato-biliary surgery: How should we improve the processes of surgical care? *Wei A, Cleary S. Canadian Institutes of Health Research (CIHR) \$24,617 2013-2014*

Investigation of Dendritic Cell De-Differentiation in Cancer. *Cattral M. Canadian Institutes of Health Research (CIHR) (\$673,345 2013-2018)*

Long-term Physical and Psychological Outcomes in Colorectal Cancer Survivors. *Hart S, Baxter N, Cotterchio M, Gallinger S. Canadian Institutes of Health Research (\$144,487 2012-2014)*

Metformin use and prostate cancer incidence and mortality: A novel approach to prostate cancer prevention. *Fleshner N, Bell C, Lipscombe L, Urbach DR. Canadian Cancer Society Research Institute (\$160,782 2011-2013)*

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Wei A, Clarke H, Karanicolas P, McCluskey S, Ko R, Cleary S, McHardy P, Katz J, Ladak S, Sawyer J, Law C, Ki A. Sunnybrook Research Inst AFP Innovation Fund (\$126,949.40 2013-2015)*

Multicentre Evaluation of a Novel Technique of Analgesia Following Open Liver Resection: Midline Open Transversus Abdominis Plane (MOTAP) Catheters. *Cleary SP. University Health Network, Sunnybrook Health Sciences Centre (\$225,511 2013-2015)*

NCIC PA.6 Trial: Randomized multicenter phase III comparison of adjuvant chemotherapy with gemcitabine versus a combination of 5-fluorouracil, leucovorin, irinotecan and oxaliplatin (mFOLFIRINOX) in patients with resected pancreatic adenocarcinoma . *Wei AC, Biagi J. NCIC GI site group National Cancer Institute of Canada (NCIC) (2012-present)*

Normothermic ex vivo liver perfusion as a novel strategy to assess and repair marginal grafts. *Selzner, M. Roche Organ Transplant Research Foundation (ROTRF) (\$300,000 2010-2013)*

Optimizing care in liver surgery: developing an evidence-based clinical pathway for hepatectomy. *Wei A, Karanicolas P, Urbach D, Gallinger S. Physician's Services Incorporated (PSI) (2013-2015) (Applied)*

Pan-Canadian Colorectal Cancer Consortium (C4) - Phase I. *Gallinger S, Batist G, Gryfe R, Pollett A, Baster N. Terry Fox Research Institute (\$671,616 2012-2014)*

Pan-Canadian Colorectal Cancer Consortium (C4) - Phase II. *Gallinger S, Batist G, Gryfe R, Pollett A, Baxter N. Terry Fox Research Institute (TFRI) (\$1,163,047 2014-2017)*

Pluripotent stem cell modeling of human bile duct development and disease. *Ghanekar A, Kamath B, Astellas/Multi-Organ Transplant Program (\$49,700 2013-2014)*

Preclinical evaluation of double stranded RNA in human hepatocellular carcinoma. *Ghanekar A, MultiCell Technologies Inc. (\$109,480 2013-2014)*

Safety of medical devices licensed for use in Canada: A mixed methods study to inform policy for effective post-market surveillance. *Gagliardi A, Urbach D, Chaim Bell, Lehoux P, Ross S, Ducey A, Easty A, Trbovich P. Canadian Institutes of Health Research (CIHR) (\$301,055 2014- 2017)*

Standardizing care for pancreas surgery: Introducing an evidence based clinical pathway .*Wei A, Gallinger S. Canadian Institutes for Health Research (2013-2014) (Applied)*

Stem Cell Models of Alagille Syndrome: Biliary Disease in a Dish. *Ghanekar A, Kamath B. National Institutes of Health (NIH)/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (\$25,000 2012-2013)*

Stem Cell Models of Alagille Syndrome: Biliary Disease in a Dish. *Ghanekar A, Kamath B Alagille Syndrome Alliance. (\$50,000 2013-2015)*

Structures and Processes of Care in Colorectal Cancer Surgery (SPoCCS) Study. *Urbach DR, Simunovic M, Baxter N, Sutradhar R, Lix LM. Canadian Institutes of Health Research (CIHR) (\$1,084,151 2008-2013)*

The association of serum Vitamin D levels, genetic variants in vitamin D metabolism genes and pancreatic cancer risk. *Cleary S, Cotterchio M, Knight J, Gallinger S. Canadian Institutes of Health Research (\$203,350 2011-2013)*

The development of the surgical plan. *Moulton CA, Zilbert N. Royal College of Physicians and Surgeons of Canada (The) (\$45,000 2013-2014)*

The Genetics of Hereditary Upper Gastrointestinal Cancers: Beyond CDH1 Germline Mutations. *Huntsman D, Gallinger S, Schaefer D, Schrader K, Shah S, Zogopoulos G. Canadian Institutes of Health Research (\$932,334 2012-2017)*

The Transitional Pain Service (TPS): An interdisciplinary collaboration between the Departments of Anesthesia, Surgery, and Palliative Care . *Clarke H, Downar, J, Keshavajee S, Waddell T, Kaya E, Ko R, Katznelson R, Rao V, Oreopolous G, Wei AC, Ladak S, Williams D, Katz J. AFP Innovation Fund (\$160,951.88 2013-2015) (Applied)*

Towards an Assessment Tool for Surgical Judgment: Exploring Expert-Trainee Differences in Slowing Down Moments. *Moulton CA, Regehr G, Gallinger S, Zilbert N, St-Martin L. Medical Council of Canada (MCC) (\$34,947 2013-2014)*

Tranexamic Acid Versus Placebo to Reduce Perioperative Blood Transfusion in Patients Undergoing Major Liver Resection: A Pilot Randomized Controlled Trial. *Wei A, Canadian Institutes for Health Research (\$248,319 2014-2016)*

Validation and fine-mapping of pancreatic cancer susceptibility Loci. *Klein A, Petersen G, Brennan P, Bracci P, Risch H, Gallinger S, et al. National Institutes of Health (NIH) (USA) (\$761,032 2011-2015)*

Validation of Germline Copy Number Variants in Colorectal Cancer. *Gallinger, S. University of Toronto McLaughlin Centre* (\$50,000 2013-2014)

Visual imagery and mental rehearsal in surgery . *Cil T, Moulton CA, Murnaghan L. Physicians Services Incorporated Foundation (The) (PSI)* (\$13,500 2012-2013)

Research and Investigations – UHN- TWH

Barriers to the Uptake of Surgical Telementoring: The Perspectives of Canadian General Surgeons. *Okraïnec A, Sockalingham S, Jackson T, Quereshy F. Continuing Education Research and Development, University of Toronto.* (\$4,698 2013-2014)

Barriers to the Uptake of Surgical Telementoring: The Perspectives of Canadian General Surgeons. *Okraïnec, A, Sockalingam S, Jackson TD, Quereshy FA. University of Toronto* (\$4,698 2013-2013)

Implementation and evaluation of a comprehensive surgical quality improvement program in an Ontario academic hospital. *Jackson T, Urbach D, Rotstein L, Okraïnec A. Ontario Ministry of Health and Long-Term Care* (\$192,840 2011-2013)

Implementing an Enhanced Recovery after Surgery Guideline to Optimize Outcomes following Colorectal Surgery. *McLeod R, Okraïnec A, Aarts MA, Gotlib L, McKenzie M, Saddiqui NT. Council of Academic Hospitals of Ontario (CAHO)* (\$1,241,361.33 2013-2014)

Intestinal Microbiota in Non-Alcoholic Fatty Liver Disease Associated with Morbid Obesity. *Allard JP, Comelli E, Gloor G, Jackson TD, Okraïnec A, Lou W. Canadian Institutes of Health Research (CIHR)* (\$522,169 2013-2016)

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