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)


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)


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


**Research and Investigations – MSH**


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)


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)


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)


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)


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)


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


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)


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)


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

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)


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)


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)


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


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)


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)


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)


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)


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


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)


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


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

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


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


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 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)


The impact of red blood cell: plasma: platelet 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 Young Adult Survivors of Cancer Study. Baxter N, Del Guidice 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)


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 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)


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)


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)


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


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)


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


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


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)


Survveillance 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 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)


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, McCready DR. Canadian Institutes of Health Research (CIHR) ($661,302 2009-2014)


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. McCready DR. Slaight 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. McCready DR. Slaight 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)


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


**Research and Investigations – UHN- TGH**


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


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

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)


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


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


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)


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)


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


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)


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 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. Okrainec 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. Okrainec, A, Sockalingam S, Jackson TD, Quereshy FA. University of Toronto ($4,698 2013-2013)


Repeat Colonoscopy Prior to Colorectal Cancer Surgery in Ontario, Canada. Quereshy F, Colon Cancer Canada ($60,000 2013-2014)


Research and Investigations – Women’s College


Smartphones and Patient Care: Exploring the use of text-based messaging for patient related communication. Cil T, Goldfarb J, Kayssi A, Devon K, Rossos P. University of Toronto ($2,750 2013/05 –2013/09)

The Effect of Type of Breast Reconstruction on Long-Term Psychosocial Functioning in Women with Bilateral Prophylactic Mastectomy. Semple J, Li L, Metcalfe K, Cil T. University of Toronto ($2,750 2013/05 – 2013/09)


Visual Imagery and Mental Rehearsal in Surgery. Cil T, Moultor CA, Munaghan ML, Roberts N. Physicians Services Incorporated Foundation (The) (PSI) ($13,500 2012-2013)