



The Department of Surgery gratefully acknowledges the following partners and affiliates:



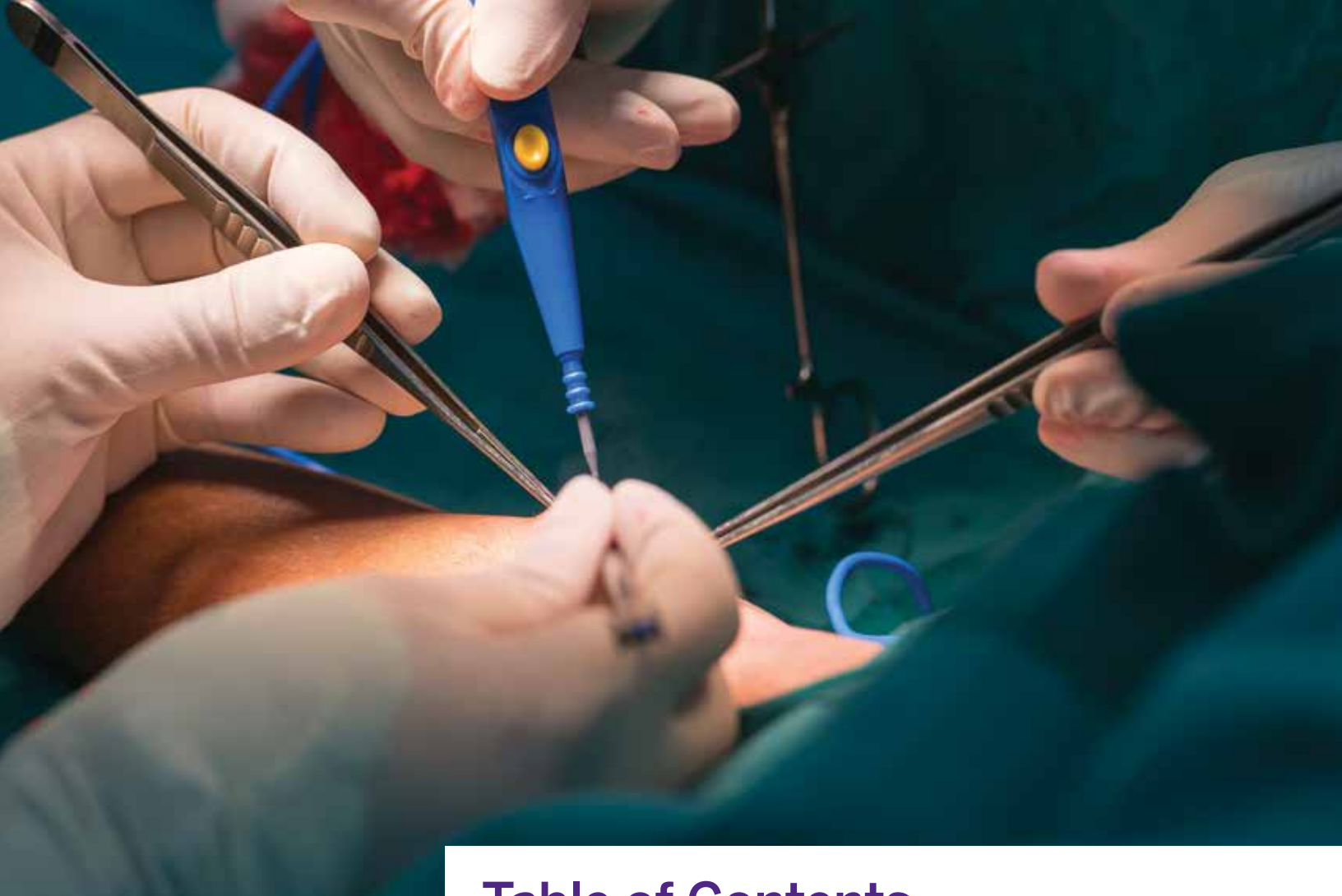


Table of Contents

Message from the Chair/Chief	04
Division of Cardiac Surgery	06
Division of General Surgery	10
Division of Orthopaedic Surgery	16
Division of Paediatric Surgery	28
Division of Plastic & Reconstructive Surgery	32
Division of Thoracic Surgery	36
Division of Urology	40
Division of Vascular Surgery	50
MSc in Surgery	54

From Strength to Strength: A Bright Future for the Department of Surgery

Message from the Chair/Chief

It is a great pleasure to provide the annual report for the Department of Surgery. As the Department transitions to new Chair/Chief leadership in 2016 it provides me with an opportunity to reflect on the many accomplishments of the Department over the course of the last 14 years. Always a strong Department both clinically and academically, I believe the Department of Surgery at Western University has assumed a stature as of one of the premier Departments of Surgery in North America. Our faculty complement has increased substantially: from 55 full time clinical academics in 2002 to more than 100 surgeons and scientists across eight Divisions in 2015. Additionally, nearly 80 adjunct faculty members located throughout the region and in Windsor contribute to the dual missions of clinical care and teaching.

London has always had a strong reputation for clinical excellence and technical expertise in managing the most complex surgical problems for patients from across Southwestern Ontario and beyond. This legacy remains intact for patients who enter the clinics and operating rooms at our teaching hospitals where they can be assured of receiving the highest quality of surgical care. The Department remains fully engaged in planning for the future in addressing access to care in a time of increasing resource constraints in a complex care environment. I have had the privilege of working with many capable members of hospital administration at both London Health Sciences Centre and St. Joseph's Health Care London over the last 14 years all of whom have been tremendously supportive of the Department of Surgery: Tony Dagnone, Cliff Nordal, Gillian Kernaghan, Bernadette Macdonald, Kirsten Krull, Silvie Crawford, Pat Pocock and Anne Marie McIlmoyl all deserve specific mention as individuals who have contributed to the development of this great Department by way of their hard work and support. Surgery in 2015 is a team effort and our excellent outcomes are only achieved by the support we receive from other clinical Departments such as Anesthesia

**“London has
always had a
strong reputation
for clinical
excellence
and technical
expertise.”**

& Perioperative Medicine, Medical Imaging, and Pathology. Additionally the Foundations and development teams at LHSC, SJHC, Children's Hospital and Foundation Western have all greatly assisted in efforts to establish endowments and Chair positions as the basis for future success.

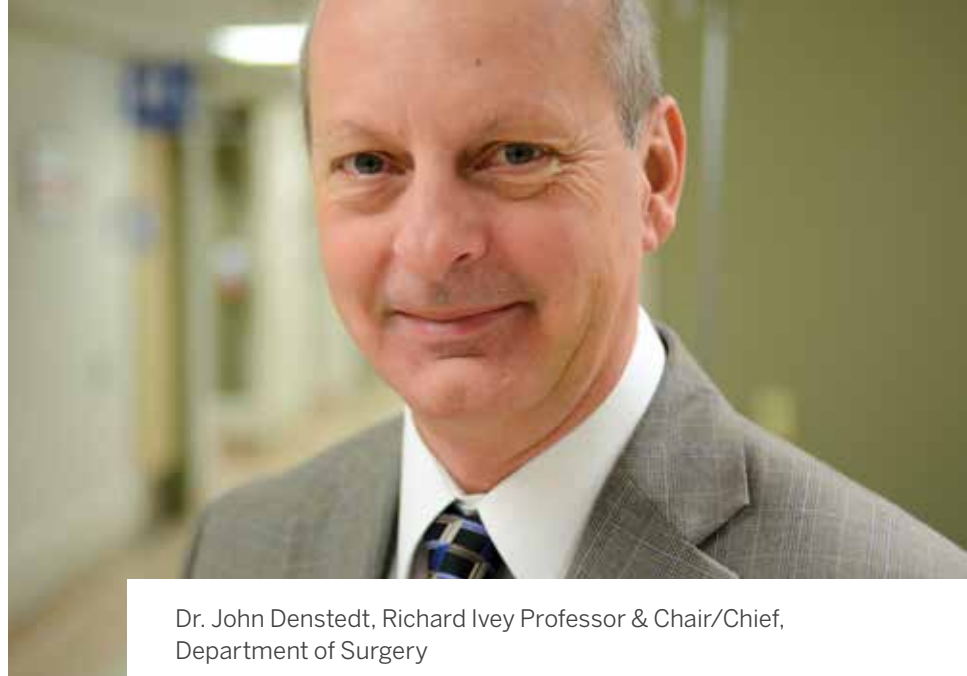
Our teaching programs at both the undergraduate and postgraduate levels continue to outperform due to the dedicated efforts of all faculty and most notably the residency program directors. All programs have retained full accreditation with the Royal College of Physicians and Surgeons and exemplify the highest standards in training the next generation of surgeons. At the undergraduate level the

superb efforts of all faculty have positioned us as the top Department in the country in terms of proportion of medical students applying to surgical residency via the CaRMS match. This is in no small part due to the efforts of the staff in the Education Office of the Department led by Terri MacDougall and her team. While day-to-day teaching has always been a source of pride in this Department, scholarly work in education has become a major focus of excellence with ten members having completed Masters of Education degrees at premier graduate programs in the world. The Centre for Education Research and Innovation established by former Dean of Medicine Carol Herbert and capably led by Lorelei Lingard has been a tremendous

asset to the Department in fostering and providing the environment for advancing education research programs amongst our faculty. Our resident and fellow trainees are also to be thanked for their immense contributions to patient care as well as the education and research missions of the university.

The Department of Surgery was the first at the Schulich School of Medicine & Dentistry to provide an annual report such as this version which highlights the many clinical and academic accomplishments of the Department. In my Chair's message in the 2008 inaugural report I stated, “Caring for patients is at the heart of everything we do,

**“SURGERY IN 2015 IS A
TEAM EFFORT AND OUR
EXCELLENCE OUTCOMES
ARE ONLY ACHIEVED BY THE
SUPPORT WE RECEIVE.”**



Dr. John Denstedt, Richard Ivey Professor & Chair/Chief,
Department of Surgery

but what differentiates us is our ability to do innovative clinical and basic science research. Excellence in research allows us to recruit and retain the best surgeons while fostering a creative environment where their careers can develop and flourish.” I have been very fortunate in having the opportunity to recruit close to 50 surgeons to the Department over the course of the last 14 years. This has been a long enough time span to observe individual careers flourish based on creativity, determination and role models; and has been the most satisfying part of serving as Department Chair.

Changing a culture takes time, a plan, and most importantly “brick by brick” building based on recruiting great people. I was very fortunate in having the foundation of a great Department built by my predecessors Angus McLachlin, Charles Drake, John Duff and Ken Harris. On this foundation, the new members will take the Department to an enhanced level of excellence. Sentinel achievements include establishment of the Institute of Clinical Evaluative Studies (ICES) at Western, led from the departmental perspective initially by Claire Temple and subsequently Chris Vinden, and the development of the Master of Science in Surgery program, led by Abdel Lawendy. Both of these initiatives now represent platforms for research excellence in the future. The support of the Lawson Research Institute and Faculty of Engineering deserve specific mention as key collaborators and supporting entities for our Departments expanding research program.

The Department of Surgery is the sum of its constituent parts – a federation – made ever stronger by its individual Divisions and their leaders. Thus Division Chair/Chiefs and Site Chiefs of Surgery have been indispensable components of the success in what has been achieved to date; so much so that they deserve individual credit. I have learned a tremendous amount from each of them and their support over the years in the team effort to build the Department has been deeply appreciated. They include:

■ DIVISION CHAIR/CHIEFS

- **General Surgery:** Brian Taylor, Ward Davies, Ken Leslie
- **Orthopedic Surgery:** Bob Bourne, Jim Roth, Steve Macdonald
- **Urology:** Joe Chin, Hassan Razvi
- **Plastic and Reconstructive Surgery:** Larry Hurst, Doug Ross
- **Vascular Surgery:** Ken Harris, Tom Forbes, Guy Derose
- **Paediatric Surgery:** David Girvan, Kellie Leitch, Leslie Scott
- **Thoracic Surgery:** Richard Inculet
- **Cardiac Surgery:** Neil McKenzie, Richard Novick, Bob Kiaii

■ HOSPITAL SITE CHIEFS OF SURGERY

- **Chiefs of Surgery:** Cec Rorabeck, Guy DeRose, Jim Roth, Doug Naudie, Neil Parry, and Graham King

I must conclude by mentioning the Department of Surgery staff. This is a group that for many members functions in the background yet are critical to the success of the Department both clinically and academically. In my initial years, Lynda McMillan and Kristine Schroeder were such an important support to keep me on track. In subsequent years, Dinah Frank and the team she built in the Department to include Kristine as well as Tricia Toderick-Tyner, Melissa Serrano, and Janice Sutherland will continue to serve the Department well in years ahead.

I have derived tremendous personal satisfaction in having the privilege to lead the Western University Department of Surgery over the last 14 years. I always tell people it has been the greatest opportunity to be able to lead and guide the Department. I look forward to hearing of future success as the Department progresses under new leadership towards 2020.

International Expertise in Medical Device Development Treatment

Division of Cardiac Surgery

The Division of Cardiac Surgery uses a team approach to achieve the best patient care outcomes. The residency training program continues to be successful in recruitment and job placement, and collaborations in clinical research studies are well underway.

Dr. Bob Kiaii, professor and chair/chief of Cardiac Surgery, and Dr. Michael Chu, associate professor, work with cardiologist Dr. Patrick Teefy and Dr. Pantalis Diamantouros on transcatheter aortic valve implantation (TAVI) as part of the heart team. The cardiac care team at London Health Sciences Centre (LHSC) was the first centre in North America to implant the ACURATE TATM Aortic Bioprosthesis device, developed in Switzerland by Symetis SA. Since then, 25 devices have been

Dr. Bob Kiaii, Division of Cardiac Surgery



**CARDIAC AND VASCULAR
SURGEONS CAN WORK TOGETHER
TO TURN A TWO-STAGE PROCEDURE
INTO ONE STAGE, RESULTING IN
OVERALL BETTER OUTCOMES WITH
SHORTER ISCHAEMIA TIME,
LOWER COSTS, AND A SHORTER
RECOVERY TIME FOR THE PATIENT.**



successfully implanted. "This is the largest number of implantations completed outside of Europe," said Dr. Bob Kiaii.

Dr. Michael Chu and Dr. Ray Guo, associate professors, work with cardiologists Drs. Shahar Lavi and Kumar Sridhar on treating patients with mitral valve disease with the Mitraclip System from Abbott. This is a transcatheter device for percutaneous treatment of mitral valve in patients at high risk to undergo conventional mitral valve repair. Usually patients with mitral regurgitation are treated with open heart surgery. With this new device, surgeons are able to go through the femoral vein to deliver the clip and implant it, resulting in decreased risk to the patient as well as a shorter recovery time. Fourteen patients have successfully received the less invasive procedure, improving their quality of life.

Dr. Dave Nagpal, assistant professor, and Dr. Stuart Smith, associate professor and medical director of the Heart Failure Program at LHSC, lead the heart failure team. Adding to the successes achieved with the use of the HeartMate II Left Ventricular Assist Device (LVAD), a second device, the HeartWare Ventricular Assist System developed by HeartWare Corporation, has become available to heart failure patients. Ventricular assist devices allow heart failure patients to live a better quality of life while waiting for a heart transplant. Because of the Heart Failure Program and the successes of the assistive devices, the number of patients at LHSC who received heart transplants has increased with the highest number in our history being performed in the past three years.

Collaborative efforts with the Division of Vascular Surgery are also taking place, with Dr. Michael Chu and Dr. Guy DeRose, professor and chair/chief of Vascular Surgery, working together on using a new hybrid stented graft for the treatment of complex aortic aneurysms



Dr. Bob Kiaii, Chair/Chief,
Division of Cardiac Surgery

involving the aortic arch and ascending and descending aorta. The graft, known as the Thoraflex Hybrid Graftis (a new product developed by Vascutek) is a proximal multi-branched graft and distal stent. With this graft, cardiac and vascular surgeons can work together to turn a two-stage procedure into one stage, resulting in overall better outcomes with shorter ischaemia time, lower costs, and a shorter recovery time for the patient.

Dr. Ray Guo continues to serve as the cardiac surgery residency program director. The residency program remains one of the most sought after training programs in Canada. The Division has a successful job placement rate for graduating residents, with all graduating residents in the past few years securing cardiac surgeon positions in Canada and the United States upon completing fellowship training. The Division's training program also allows residents to take one year off from their residency for academic enrichment. Dr. Matthew Valdis, Cardiac Surgery PGY3 resident, has taken advantage of this and is currently enrolled in the MSc in Surgery graduate program.

It has been an eventful year for the Division of Cardiac Surgery in surgical innovation and advancing patient care. We also celebrated the retirement of Dr. Richard Novick, who completed 25 years of service with Western University and LHSC. A stellar clinician, surgeon, teacher, and researcher, Dr. Novick's retirement was a great loss for the Division; and we wish him well for the future.

■ MULTI-CENTRE CLINICAL TRIALS

“Engager Align Study” Collaboration between Cardiac Surgery members and Laval University in Canada and other centres in Europe, determining the efficacy of the Engager valve, (a transcatheter aortic valve) in a 26 patient randomized trial.

“Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of Severe, Symptomatic Aortic Stenosis in Intermediate Risk Subjects Who Need Aortic Valve Replacement (SURTAVI)” One of eight Canadian centres participating in the world-wide 82-site study looking at which type of intervention is better for patients.

“Left Atrial Appendage Occlusion Study III (LAAOS III)” Working with the Population Health Research Institute in Hamilton to determine whether amputating the left atrial appendage of atrial fibrillation (AF) sufferers undergoing heart surgery for other reasons, will reverse their irregular heart rhythm.

■ APPOINTMENTS & ACCOLADES

Dr. M. Lee Myers elected Chair of the Stratford Festival Foundation Board and to the Advisory Board of the Brio Music Program.

Dr. Mackenzie Quantz reappointed Chair of the Specialty Committee in Cardiac Surgery for the Royal College of Physicians & Surgeons of Canada, and elected to the Executive Committee of the Canadian Society of Cardiac Surgeons.

Chief Cardiac Surgery resident, **Dr. Maria Currie**, PGY5, received funding from the Royal College of Physicians & Surgeons of Canada to further her graduate studies while completing her residency training. She will be defending her PhD thesis, “The Role of Visualization, Haptics, and Augmented Reality in Minimally Invasive Mitral Valve Repair” this summer and will be the first Cardiac Surgery resident to graduate with both a Masters and Doctorate degree.

Dr. Bob Kiaii recipient of the Cardiac Surgery Clerkship Teaching Award, Co-Chair of 2013 Canadian Cardiovascular Congress (CCC) Session, “Simulation: Crisis Management in Cardiovascular Medicine”, and promoted to Professor.

Dr. Michael Chu promoted to Associate Professor.

Dr. Dave Nagpal appointed Surgical Director of the Advanced Heart Failure and Heart Transplantation Program at London Health Sciences Centre.



■ PUBLICATIONS

Adams C, Burns DJ, **Chu MW**, Jones PM, Shridar K, Teefy PJ, Kostuk WJ, Dobkowski WB, Romsa J, **Kiaii B**. Single-stage hybrid coronary revascularization with long-term follow-up. *Eur J Cardiothorac Surg*. 2014 Mar; 45(3):438-42; discussion 4

Ahmed EO, Butler R, **Novick RJ**. Failure-to-rescue rate as a measure of quality of care in a cardiac surgery recovery unit: a five-year study. *Ann Thorac Surg*. 2014 Jan; 97(1):147-52

Al Habib HF, Tarola C, Diamantorous P, **Chu MW**. Successful Treatment of Mechanical Mitral Valve Thrombosis Without Thrombolytic Therapy or Surgery. *Can J Cardiol*. 2013 Nov; 29(11):1532.e1-3

Bazinet RP, **Chu MW**. Omega-6 polyunsaturated fatty acids: Is a broad cholesterol-lowering health claim appropriate? *CMAJ*. 2014 Apr; 186(6):434-9

Camuglia AC, Syed J, Garg P, **Kiaii B**, **Chu MW**, Jones PM, Bainbridge D, Teefy PJ. Invasively assessed coronary flow dynamics improve following relief of aortic stenosis with transcatheter aortic valve implantation. *J Am Coll Cardiol*. 2014 May; 63(17):1808-9

Chamogeorgakis T, Lima B, Shafii AE, **Nagpal D**, Pokersnik JA, Navia JL, Mason D, Gonzalez-Stawinski GV. Outcomes of axillary artery side graft cannulation for extracorporeal membrane oxygenation. *J Thorac Cardiovasc Surg*. 2013; 145(4):1088-92

Chamogeorgakis T, Rafael A, Shafii AE, **Nagpal D**, Pokersnik JA, Gonzalez-Stawinski GV. Which is better: a miniaturized percutaneous ventricular assist device or extracorporeal membrane oxygenation for patients with cardiogenic shock? *ASAIO J*. 2013 Nov; 59(6):607-11

Chu M, Losenno K, Moore K, Berta D, Hewitt J, Ralley F. Blood conservation strategies reduce the need for transfusions in ascending and aortic arch surgery. *Perfusion*. 2013 Jul; 28(4):315-21

Chu MW, Losenno KL, Fox SA, Adams C, Al-Habib H, Guo R, Menkis AH, Kiaii B. Clinical outcomes of minimally invasive endoscopic and conventional sternotomy approaches for atrial septal defect repair. *Can J Surg*. 2014 Jun; 57(3):E75-81

Cristancho SM, Apramian T, Vanstone M, Lingard L, Ott M, **Novick RJ**. Understanding clinical uncertainty: what is going on when experienced surgeons are not sure what to do? *Acad Med*. 2013 Oct; 88(10):1516-21

Garg AX, Devereaux PJ, Yusuf S, Cuerden MS, Parikh CR, Coca SG, Walsh M, **Novick R**, Cook RJ, Jain AR, Pan X, Noiseux N, Vik K, Stolf NA, Ritchie A, Favoloro RR, Parvathaneni S, Whitlock RP, Ou Y, Lawrence M, Lamy A, CORONARY Investigators. Kidney function after off-pump or on-pump coronary artery bypass graft surgery: a randomized clinical trial. *JAMA*. 2014 Jun; 311(21):2191-8

Garg AX, Vincent J, Cuerden M, Parikh C, Devereaux PJ, Teoh K, Yusuf S, Hildebrand A, Lamy A, Zuo Y, Sessler DI, Shah P, Abbasi SH, **Quantz M**, Yared JP, Noiseux N, Tagarakis G, Rochon A, Pogue J, Walsh M, Chan MT, Lamontagne F, Salehiomran A, Whitlock R, SIRS Investigators. Steroids In caRdiac Surgery (SIRS) trial: acute kidney injury substudy protocol of an international randomised controlled trial. *BMJ Open*. 2014 Mar; 4(3):e004842

Lang P, **Chu MWA**, Bainbridge D, Guiraudon GM, Jones DL, Peters TM. Surface-Based CT-TEE Registration of the Aortic Root. *IEEE Trans Biomed Eng*. 2013 Dec; 60(12):3382-3390

Losenno KL, **Chu MW**. Bicuspid aortic valve disease. *CMAJ*. 2013 Dec; 185(18):1599

Molnar AO, Parikh CR, Coca SG, Thiessen-Philbrook H, Koyner JL, Shlipak MG, **Myers ML**, Garg AX, TRIBE-AKI Consortium. Association Between Preoperative Statin Use and Acute Kidney Injury Biomarkers in Cardiac Surgical Procedures. *Ann Thorac Surg*. 2014 Jun; 97(6):2081-7

Nagpal AD, Brozzi N, Samara M, Lee S, Soltesz EG. Incidental pulmonary embolus in transit during left ventricular assist device implant. *Ann Thorac Surg*. 2013; 95(3):1100

Nagpal AD, Chamogeorgakis T, Shafii AE, Hanna M, Miller CM, Fung J, Gonzalez-Stawinski GV. Combined heart and liver transplantation: the Cleveland Clinic experience. *Ann Thorac Surg*. 2013; 95(1):179-82

Nagpal AD, Larsen BK, Smedira NG, Soltesz EG. Endoscopic tunneling of HeartMate II left ventricular assist device driveline. *J Thorac Cardiovasc Surg*. 2013; 145(1):297-8

Nakamura Y, Teefy PJ, **Kiaii B**, Syed J, Jones PM, Bainbridge D, Wisenberg G, **Chu MW**. Transcatheter aortic valve implantation in a patient with severe aortic insufficiency and minimal aortic annular calcification. *Can J Cardiol*. 2013 Sep; 29(9):1138.e9-1138.e11

Schulz V, **Novick RJ**. The distinct role of palliative care in the surgical intensive care unit. *Semin Cardiothorac Vasc Anesth*. 2013 Dec; 17(4):240-8

Tam DY, **Chu MW**. Paravalvular leak after transcatheter aortic valve implantation: trading one disease for another? *Expert Rev Cardiovasc Ther*. 2014 Apr; 12(4):407-411

Vafaie F, Yin H, O'Neil C, Nong Z, Watson A, Arpino JM, **Chu MW**, Wayne Holdsworth D, Gros R, Pickering JG. Collagenase-resistant collagen promotes mouse aging and vascular cell senescence. *Aging Cell*. 2014 Feb; 13(1):121-30

Whitlock R, Teoh K, Vincent J, Devereaux PJ, Lamy A, Paparella D, Zuo Y, Sessler DI, Shah P, Villar JC, Karthikeyan G, Urrútia G, Alvezum A, Zhang X, Abbasi SH, Zheng H, **Quantz M**, Yared JP, Yu H, Noiseux N, Yusuf S. Rationale and design of the Steroids in Cardiac Surgery trial. *Am Heart J*. 2014 May; 167(5):660-5

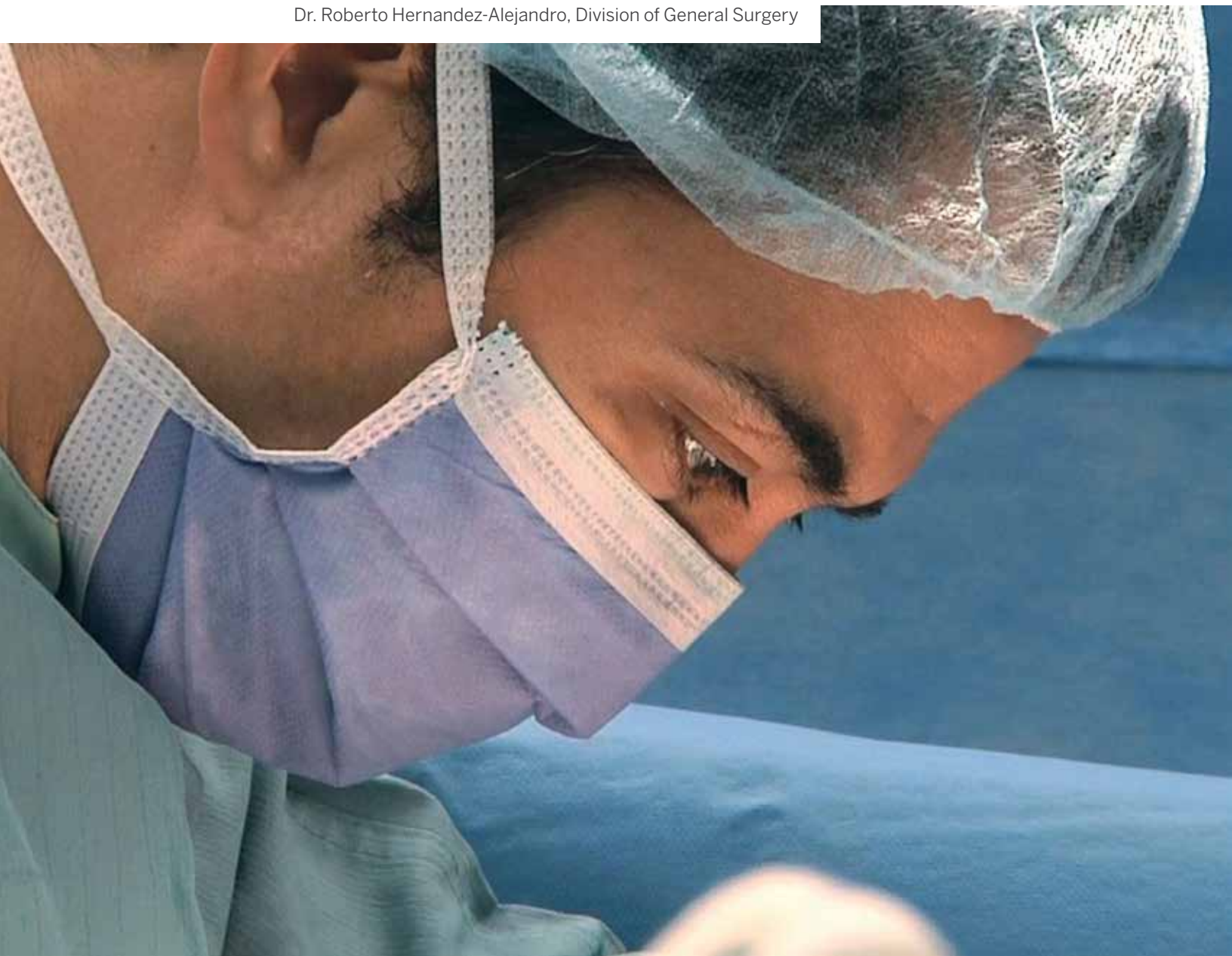
Whitlock R, Vincent J, Blackall MH, Hirsch J, Fremes S, **Novick RJ**, Devereaux PJ, Teoh K, Lamy A, Connolly SJ, Yusuf S, carrier M, Healey JS. Left atrial appendage occlusion study II (LAAOS II). *Can J Cardiol*. 2013 Nov; 29(11):1443-7

National and International Leaders in Research, Education and Clinical Care

Division of General Surgery

A high case volume and division members with diverse areas of expertise are what can be expected from the Division of General Surgery. Trainees are exposed to a variety of specializations ranging from paediatric general surgery, hepatobiliary and pancreatic surgery, transplantation, trauma, critical care, surgical robotics, colorectal surgery, endocrine surgery, surgical oncology, gastrointestinal surgery, laparoscopic surgery, and breast surgery.

Dr. Roberto Hernandez-Alejandro, Division of General Surgery



**THE LIVER TRANSPLANT
TEAM MADE HISTORY AT THE
INTERNATIONAL CONGRESS
OF THE INTERNATIONAL LIVER
TRANSPLANTATION SOCIETY.**



Dr. Ken Leslie, Chair/Chief,
Division of General Surgery

The coming year will bring a few retirements, which has led to three new members joining the Division. Assistant Professors Dr. Nawar Alkhamesi and Dr. Julie Ann Van Koughnett both joined the colorectal surgery team, and Dr. Kelly Vogt joined the trauma team. Dr. Vogt has been awarded a position as a Schulich School of Medicine & Dentistry Clinician Scientist, specializing in clinical trials and registry-related research in the field of acute care surgery and trauma. Drs. Roberto Hernandez-Alejandro, Steven Latosinsky, Michael Ott and Muriel Brackstone have successfully completed the University's academic promotions process.

The liver transplant team made history at the International Congress of the International Liver Transplantation Society. Dr. Hernandez-Alejandro received the Association's Rising Star Award in 2008 as a young investigator and again in 2013 as a mentor to liver transplant fellow Dr. Kris Croome.

Division members continue to be active in administrative leadership, with many members taking on new roles in local, provincial and national committees.

Plans to develop a new wing of experimental general surgery labs at University Hospital have moved into the final stages, with the main portion of the space having recently been opened. This new space has provided more opportunities for surgeons and scientists to collaborate and advance research efforts.



Dr. Neil Parry, General Surgery

■ GRANT FUNDING RECEIVED

ACADEMIC MEDICAL ORGANIZATION OF SOUTHWESTERN ONTARIO

“Amelioration of renal ischemia-reperfusion injury by machine perfusion using RNA interference.”

\$97,500 – PI: **Quan D**

“Evidence-based medicine for enhanced management of complicated staphylococcus aureus infections: can we do better?”

\$97,400 – PI: **Mele T**

“ICES Western surgery research initiative.”

\$182,244 – PI: **Vinden C** and **Welk B**

CANADIAN INSTITUTES OF HEALTH RESEARCH

“Th2-polarized invariant natural killer T cells reduce disease severity in acute intra-abdominal sepsis.”

\$1,000 – PI: **Anantha R** (CSCI Resident Research Award)

“The role of IDO1 vs IDO2 on tumour immune evasion and immune therapy.”

\$313,350 – PI: **Min WP**

HEART AND STROKE FOUNDATION

“The role of mTOR and TLR signaling networks on alloimmune modulation in heart transplantation.”

\$307,574 – PI: **Min WP**

LAWSON HEALTH RESEARCH INSTITUTE

“Single dose preoperative ablative radiotherapy for early breast cancer – SIGNAL Trial.”

\$15,000 – PI: **Brackstone M**

“Assessment of hepatic hypertrophy in patients undergoing associated liver partition and portal vein ligation for staged hepatectomy.”

\$20,000 – PI: **Hernandez-Alejandro R**

“A pilot study of silencing of Caspase 3 by RNAi in pig kidney transplantation.”

\$15,000 – PI: **Quan D**

PHYSICIANS' SERVICES INCORPORATED FOUNDATION

“Novel assessment of ingrown toenails treated by excision of the skinfold rather than toenail (NAILTEST): a prospective cohort study of the Vandenbos procedure in children and adolescents.”

\$20,000 – Co-PIs: **Jones S** and **Livingstone M**

“The use of ‘Spin’ in laparoscopic lower GI surgical trials with non-significant results: an assessment of reporting and interpretation of the primary outcomes.”

\$2,000 – PI: **Patel S** (Resident Research Prize)

“Local resection compared to radical resection in the treatment of T1N0M0 rectal adenocarcinoma: a systematic review & meta-analysis.”

\$2,000 – PI: **Kidane B** (Resident Research Prize)

“The establishment of a rodent model of abdominal compartment syndrome using carbon dioxide pneumoperitoneum.”

\$2,000 – PI: **Chadi S** (Resident Research Prize)

“Introduction of a mobile device based tertiary survey application reduces missed injuries: a multi-center prospective study.”

\$2,000 – PI: **Moffat B** (Resident Research Prize)

■ APPOINTMENTS & ACCOLADES

Dr. Muriel Brackstone elected Chair of the National Cancer Institute of Canada's (NCIC) Locally Advanced Breast Cancer Working Group and to the Executive of the NCIC CTG Breast Disease Site Committee Group Executive.

Dr. Andreana Bütter appointed Associate Director of Surgical Education – Undergraduate Education.

Dr. Patrick Colquhoun received the Department of Oncology Award for Excellence in Academics.

Dr. Daryl Gray appointed Medical Advisor for Cancer Care Ontario's MOHLTC Out-of-Country (OOC) Prior Approval Program.

Dr. Roberto Hernandez-Alejandro elected to the Scientific Board of the ALPPS Registry.

Dr. Sarah Jones received the J.H. Duff Award in recognition of commitment and dedication to teaching in general surgery.

Dr. Steven Latosinsky awarded the Division of General Surgery Resident Mentor Award.

Dr. Vivian McAlister appointed the A.D. McLachlin Professor and elected to the American Surgical Association.

Dr. Douglas Quan elected Co-Chair of London Health Sciences Centre's Neuroendocrine Steering Committee.

Dr. Elizabeth Saettler elected Deputy Chair for London Health Sciences Centre's Breast Disease Site Team.

Dr. William Wall received the Surgery Clerkship Faculty Award, the Surgery Clerkship Teaching Award, and the David Foster Foundation National Medical Achievement Award.

Dr. Ram Anantha, PGY5, successfully defended his master's thesis titled “Analysis of Invariant Natural Killer

T Cells in Intra-Abdominal Sepsis" to obtain a MSc in Microbiology and Immunology with Distinction. Dr. Anantha was also selected as a recipient of the Western University School of Graduate and Postdoctoral Studies (SGPS) Scholarship in the amount of \$15,000.

Dr. Kimberly Bertens, PGY5, received the CAGS Resident Teaching Award 2013-2014 academic year.

Dr. Sami Chadi, 2014 graduate of the general surgery residency program, received the Dr. George Edgar Meads Teaching Award for Excellence in Technical Ability and Teaching.

Dr. Biniam Kidane, 2014 graduate of the general surgery residency program, received the Dr. David Michael Grace Award for Excellence in Clinical Care.

Dr. Adam Maruscak, PGY5, received the Schulich School of Medicine & Dentistry John D. Brown Memorial Resident Award.

Dr. Terry Zwiep, PGY3, awarded and Ontario Graduate Scholarship toward his MSc in Surgery graduate studies.

■ BOOK CHAPTERS

Kidane B, **Mele T**. The Patient With Gastrointestinal Problems. Accepted to: Handbook of ICU Therapy. Third Edition. Fuller J, Granton J, McConachie I (eds). Cambridge University Press.

Parry N. The Surgical or Injured Patient in the ICU. Chapter 23. Accepted to: Handbook of ICU Therapy. Third Edition. Fuller J, Granton J, McConachie I (eds). Cambridge University Press.

Vogt KN, Demetriades D, Lumb P. Trauma Systems and Trauma Care. In: Resuscitation – Translational Research, Clinical Evidence, Education, Guidelines. Gullo A, Ristagno G (eds). 2014; Springer: Milan. pp: 27-37

■ JOURNAL ARTICLES

Alkhamesi NA, Schlachta CM. The role of aerosolized intraperitoneal heparin and hyaluronic acid in the prevention of postoperative abdominal adhesions. Surg Endosc. 2013 Dec; 27(12):4663-9

Anantha RV, **Brackstone M, Parry N, Leslie K**. An acute care surgery service expedites the treatment of emergency colorectal cancer: a retrospective case-control study. World J Emerg Surg. 2014 Mar; 9(1):19

Anantha RV, **Parry N, Vogt K, Jain V, Crawford S, Leslie K**. Implementation of an acute care emergency surgical service: a cost analysis from the surgeon's perspective. Can J Surg. 2014 Apr; 57(2):E9-14

Anantha RV, Paskar D, **Vogt K, Crawford S, Parry N, Leslie K**. Allocating operating room resources to an acute care surgery service does not affect wait-times for elective cancer surgeries: a retrospective cohort study. World J Emerg Surg. 2014 Mar; 9(1):21

Armstrong J, **Merritt N, Scott L, Jones S, Bütter A**. Non-operative management of early, acute appendicitis in children: is it safe and effective? J Pediatr Surg. 2014 May; 49(5):782-5

Arnaout A, Boileau JF, **Brackstone M**. Surgical considerations in locally advanced breast cancer patients receiving neoadjuvant chemotherapy. Curr Opin Support Palliat Care. 2014 Mar; 8(1):39-45

Ball CG, Dixon E, **Parry N**, Salim A, Pasley J, Inaba K, Kirkpatrick AW. Celebrity traumatic deaths: are gangster rappers really "gangsta"? Can J Surg. 2013 Aug; 56(4):E59-62

Bertens KA, Livingston M, **Quan D, Leslie K, Zorzi A, Bütter A**. Neuroendocrine tumour of the pancreas causing biliary obstruction in a 12 year old: A case report and literature review. J Pediatr Surg Case Rep. 2014 May; 413-6

Chandok N, Aljawad M, White A, **Hernandez-Alejandro R**, Marotta P, Yoshida EM. Liver transplantation for alcoholic liver disease among Canadian transplant centres: a national study. Can J Gastroenterol. 2013 Nov; 27(11):643-6

Chen D, Koropatnick J, Jiang N, Zheng X, Zhang X, Wang H, Yuan K, Siu KS, Shunnar A, Way C, **Min WP**. Targeted siRNA silencing of indoleamine 2, 3-dioxygenase in antigen-presenting cells using mannose-conjugated liposomes: a novel strategy for treatment of melanoma. J Immunother. 2014 Feb-Mar; 37(2):123-34

Chow TL, Louie AV, Palma DA, D'Souza DP, Perera F, Rodrigues GB, Warner A, Chambers AF, **Brackstone M**. Radiation-induced lung injury after concurrent neoadjuvant chemoradiotherapy for locally advanced breast cancer. Acta Oncol. 2014 May; 53(5):697-701

Cristancho SM, Apramian T, Vanstone M, Lingard L, **Ott MC**, Novick RJ. Understanding Clinical Uncertainty: What is going on when experienced surgeons are not sure what to do? Acad Med. 2013 Oct; 88(10):1516-21

Croome K, **Hernandez-Alejandro R**. Reply to letter "Inferior Survival in Liver Transplant Recipients with HCC Receiving DCD Liver Allografts". Liver Transpl. 2014 Apr; 20(4):496

Croome KP, Segal D, **Hernandez-Alejandro R**, Adams PC, Thomson A, Chandok N. Female donor to male recipient gender discordance results in inferior graft survival: a prospective study of 1,042 liver transplants. J Hepatobiliary Pancreat Sci. 2014 Apr; 21(4):269-74

Croome KP, **Wall W**, Chandok N, Beck G, Marotta P, **Hernandez-Alejandro R**. Inferior survival in liver transplant recipients with hepatocellular carcinoma receiving donation after cardiac death liver allografts. *Liver Transpl*. 2013 Nov; 19(11):1214-23

Ghaderi I, Manji F, Park YS, Juul D, **Ott M**, Harris I, Farrell TM. Technical Skills Assessment Toolbox: A Review Using the Unitary Framework of Validity. *Ann Surg*. 2014 Jan [Epub ahead of print]

Hannouf MB, Xie B, **Brackstone M**, Zaric GS. Cost effectiveness of a 21-gene recurrence score assay versus canadian clinical practice in post-menopausal women with early-stage estrogen or progesterone-receptor-positive, axillary lymph-node positive breast cancer. *Pharmacoeconomics*. 2014 Feb; 32(2):135-47

Henteleff HJ, **Parry NG**, Burlew CC, Evidence-Based Reviews in Surgery Group. What is the comparative efficacy of negative-pressure wound therapy vs alternate temporary abdominal closure techniques in open abdominal wounds? *J Am Coll Surg*. 2014 Jun; 218(6):1251-3

Howe B, **Jones, Bütter A**. Chronic abdominal pain caused by colonic non-fixation: A case report and review of the literature. *J Pediatr Surg*. 2014 Apr; 2(4):159-61

Joos E, Inaba K, Karamanos E, Byerly S, Nozanov L, **Vogt K**, Grabo D, Demetriades D. Ocular trauma at a level I trauma center: the burden of penetrating injuries. *Am Surg*. 2014 Feb; 80(2):207-9

Kamei H, Al-Basheer M, Shum J, Bloch M, **Wall W, Quan D**. Comparison of short- and long-term outcomes after early versus late liver retransplantation: a single-center experience. *J Surg Res*. 2013 Dec; 185(2):877-82

Kao RL, Xu X, Xenocostas A, **Parry NG, Mele T**, Martin CM, Rui T. Induction of acute lung inflammation in mice with hemorrhagic shock and resuscitation: role of HMGB1. *J Inflamm (Lond)*. 2014 Jan; 11(1):30

Kidane B, **Parry N**, Forbes TL. Review of the Management of Blunt Thoracic Aortic Injuries According to Current Treatment Recommendations. *Ann Vasc Surg*. 2011 Nov; 27(8):1014-9

Latosinsky S, Boileau JF, Bryant HE, Newman LA, Evidence-Based Reviews in Surgery Group. What is the effect of screening mammography on breast cancer incidence? *Can J Surg*. 2014 Feb; 57(1):67-9

Leeper WR, Leeper TJ, Ouellette D, Moffat B, Sivakumaran T, Charyk-Stewart T, Kribs S, **Parry NG, Gray DK**. Delayed hemorrhagic complications in the nonoperative management of blunt splenic trauma: early screening leads to a decrease in failure rate. *J Trauma Acute Care Surg*. 2014 Jun; 76(6):1349-53

Leeper WR, Leeper TJ, **Vogt KN**, Charyk-Stewart T, **Gray DK, Parry NG**. The role of trauma team leaders in missed injuries: does specialty matter? *J Trauma Acute Care Surg*. 2013 Sep; 75(3):387-90

Lin CM, Jaswal J, Vandenberg T, Tuck A, **Brackstone M**. Weakly hormone receptor-positive breast cancer and use of adjuvant hormonal therapy. *Current Oncol*. 2013 Dec; 20(6):e612-e613

Livingston MH, Igric A, **Vogt K, Parry N, Merritt NH**. Radiation from CT scans in paediatric trauma patients: Indications, effective dose, and impact on surgical decisions. *Injury*. 2014 Jan; 45(1):164-9

Maleki Vareki S, Rytelowski M, Figueredo R, Chen D, Ferguson PJ, Vincent M, **Min W**, Zheng X, Koropatnick J. Indoleamine 2,3-dioxygenase mediates immune-independent human tumor cell resistance to olaparib, gamma radiation, and cisplatin. *Oncotarget*. 2014; 15:5(9):2778-91

Martin K, **Bütter A**. Intra-abdominal mass and iron deficiency anemia in a 15 yr old boy Case Reports. *J Pediatr Surg Case Rep*. 2014 Feb; 2(3):123-5

McAlister V. Canadian contribution to the ACS. *Can J Surg*. 2013 Aug; 56(4):E45-6, E47-8

McAlister V. Consensus ad idem: a protocol for development of consensus statements. *Can J Surg*. 2013 Dec; 56(6):365

McAlister VC. Education through recreation. *Can J Surg*. 2014 Apr; 57(2):76, 77

Moffat B, **Vogt KN**, Inaba K. The Shock Index: is it ready for primetime? *Crit Care*. 2013 Oct; 17(5):196

Moulton CA, Gu CS, Law CH, Tandan VR, Hart R, **Quan D**, Fairfull Smith RJ, Jalink DW, Husien M, Serrano PE, Hendler AL, Haider MA, Ruo L, Gulenchyn KY, Finch T, Julian JA, Levine MN, Gallinger S. Effect of PET before liver resection on surgical management for colorectal adenocarcinoma metastases: a randomized clinical trial. *JAMA*. 2014 May; 311(18):1863-9

Patel SV, Chadi SA, Choi J, **Colquhoun PH**. The use of "spin" in laparoscopic lower GI surgical trials with nonsignificant results: an assessment of reporting and interpretation of the primary outcomes. *Dis Colon Rectum*. 2013 Dec; 56(12):1388-94

Ravichandran P, Croome KP, Kovacs MJ, Lazo-Langner A, **Hernandez-Alejandro R**. Initial management of noncirrhotic splanchnic vein thrombosis: When is anticoagulation enough? *Can J Gastroenterol Hepatol*. 2014 Apr; 28(4):207-11

Sabalbal M, Johnson M, **McAlister V**. Absence of the genicular arterial anastomosis as generally depicted in textbooks. *Ann R Coll Surg Engl*. 2013 Sep; 95(6):405-9

Schadde E, Ardiles V, Slankamenac K, Tschuor C, Sergeant G, Amacker N, Baumgart J, Croome K, **Hernandez-Alejandro R**, Lang H, de Santibañes E, Clavien PA. ALPPS offers a better chance of complete resection in patients with primarily unresectable liver tumors compared with conventional-staged hepatectomies: results of a multicenter analysis. *World J Surg*. 2014 Jun; 38(6):1510-9

Schlachta CM, Ashamalla S, Smith A, Members of the MIS in the Management of Colon and Rectal Cancer Consensus Group. MIS in the management of colon and rectal cancer: consensus meeting of the Colorectal Cancer Association of Canada. *Surg Endosc*. 2013 Nov; 27(11):3981-9

Sela N, Croome KP, Chandok N, Marotta P, **Wall W**, **Hernandez-Alejandro R**. Changing donor characteristics in liver transplantation over the last 10 years in Canada. *Liver Transpl*. 2013 Nov; 19(11):1236-44

Shrum B, Anantha RV, Xu SX, Donnelly M, Haeryfar SM, McCormick JK, **Mele T**. A robust scoring system to evaluate sepsis severity in an animal model. *BMC Res Notes*. 2014 Apr; 7:233

Singal RK, Sibbald R, Morgan B, Quinlan M, **Parry N**, Radford M, Martin CM. A prospective determination of the incidence of perceived inappropriate care in critically ill patients. *Can Respir J*. 2014 May; 21(3):165-70

Siu KS, Chen D, Zheng X, Zhang X, Johnston N, Liu Y, Yuan K, Koropatnick J, Gillies ER, **Min WP**. Non-covalently functionalized single-walled carbon nanotube for topical siRNA delivery into melanoma. *Biomaterials*. 2014 Mar; 35(10):3435-42

Stanford DA, Lee JM, Chandok N, **McAlister V**. A queuing model to address waiting time inconsistency in solid-organ transplantation. *Operations Research for Health Care*. 2014 Mar; 3(1):40-5

Tanaka H, **McAlister VC**, Levstik MA, Ghent CN, Marotta PJ, **Quan D**, **Wall WJ**. Reuse of liver grafts following the brain death of the initial recipient. *World J Hepatol*. 2014 Jun; 6(6):443-447

Teft WA, Gong IY, Dingle B, Potvin K, Younus J, Vandenberg TA, **Brackstone M**, Perera FE, Choi YH, Zou G, Legan RM, Tirona RG, Kim RB. Erratum to: CYP3A4 and seasonal variation in vitamin D status in addition to CYP2D6 contribute to therapeutic endoxifen level during tamoxifen therapy. *Breast Cancer Res Treat*. 2013 Nov; 142(1):225

Tschuor Ch, Croome KP, Sergeant G, Cano V, Schadde E, Ardiles V, Slankamenac K, Clariá RS, de Santibañes E, **Hernandez-Alejandro R**, Clavien PA. Salvage parenchymal liver transection for patients with insufficient volume increase after portal vein occlusion

– an extension of the ALPPS approach. *Eur J Surg Oncol*. 2013 Nov; 39(11):1230-5

Ullah SM, Grant RC, Johnson M, **McAlister VC**. Scarpa's fascia and clinical signs: the role of the membranous superficial fascia in the eponymous clinical signs of retroperitoneal catastrophe. *Ann R Coll Surg Engl*. 2013 Oct; 95(7):519-22

Urbaniak C, Cummins J, **Brackstone M**, Macklaim JM, Gloor GB, Baban CK, **Scott L**, O'Hanlon DM, Burton JP, Francis KP, Tangney M, Reid G. Microbiota of human breast tissue. *Appl Environ Microbiol*. 2014 May; 80(10):3007-14

Van Koughnett JA, da Silva G. Anorectal physiology and testing. *Gastroenterol Clin North Am*. 2013 Dec; 42(4):713-28

Van Koughnett JA, Wexner SD. Current management of fecal incontinence: choosing amongst treatment options to optimize outcomes. *World J Gastroenterol*. 2013 Dec; 19(48):9216-30

Vinden C, Nash D. Next-day surgical complications after nighttime procedures – reply. *JAMA*. 2014 Feb; 311(8):861-2

Vinden C, Nash DM, Rangrej J, Shariff SZ, Dixon SN, Jain AK, Garg AX. Complications of daytime elective laparoscopic cholecystectomies performed by surgeons who operated the night before. *JAMA*. 2013 Nov; 310(17):1837-41

Vinden C. Chocolate consumption and the Nobel prize. *BMJ*. 2014 Jan; 348:g329

Webber EM, **McAlister VC**, Gorman L, Taber S, Harris KA. The past and future of the generalist general surgeon. *Can J Surg*. 2014 Feb; 57(1):6-7

Weir MA, Fleet JL, **Vinden C**, Shariff SZ, Liu K, Song H, Jain AK, Gandhi S, Clark WF, Garg AX. Hyponatremia and sodium picosulfate bowel preparations in older adults. *Am J Gastroenterol*. 2014 May; 109(5):686-94

Wells M, Croome KM, Janik T, **Hernandez-Alejandro RM**, Chandok NM. Comparing outcomes of donation after cardiac death versus donation after brain death in liver transplant recipients with hepatitis C: A systematic review and meta-analysis. *Can J Gastroenterol Hepatol*. 2014 Feb; 28(2):103-108

Zhang X, Liu Y, Zhang G, Shi J, Zhang X, Zheng X, Jiang AT, Zhang ZX, Johnston N, Siu KS, Chen R, Lian D, Koos D, **Quan D**, **Min WP**. Synergic silencing of costimulatory molecules prevents cardiac allograft rejection. *J Transl Med*. 2014 May; 12:142

An Exceptional Year for Recognition as Leaders in Orthopedic Surgery

Division of Orthopaedic Surgery

As one of the largest divisions in the Department of Surgery, the Division of Orthopaedic Surgery provides a wide range of specialized care.

Rotations in the seven clinical teaching units of the orthopaedic surgery residency program include: lower limb arthroplasty, sports medicine, paediatric orthopaedics, trauma, spine surgery, foot and ankle surgery, hand and upper limb surgery.

Dr. George Athwal, Division of Orthopaedic Surgery



**WITH THE ADDITION OF
THREE NEW MEMBERS,
FIVE SUCCESSFUL FACULTY
PROMOTIONS, AND SEVERAL
ACCOLADES RECEIVED BY
DIVISION MEMBERS, IT HAS
BEEN AN EXCEPTIONAL
YEAR FOR THE DIVISION OF
ORTHOPAEDIC SURGERY.**



Dr. Steven MacDonald, Chair/Chief,
Division of Orthopaedic Surgery

With the addition of three new members, five successful faculty promotions, and several accolades received by division members, it has been an exceptional year for the Division of Orthopaedic Surgery.

Dr. Nina Suh, assistant professor, joined the hand and upper limb surgery team, while Dr. Parham Rasoulinejad, assistant professor, joined the spine surgery team.

Matthew Teeter, PhD, assistant professor, Department of Medical Biophysics, also joined the Division as an affiliated institute scientist. Dr. Teeter's research program focuses on joint arthroplasty and

kinematics, implant wear and retrieval studies, micro-computed tomography, dynamic radiography, and radiostereometric analysis.

Drs. Ruby Grewal, Marie-Eve LeBel, and Debra Bartley were promoted to the rank of associate professor and Drs. J. Robert Giffin and James McAuley were promoted to the rank of professor.

Humanitarian efforts continue to be active in the Division of Orthopaedic Surgery, with members involved in organizations such as Operation Walk and CAMTA (Canadian Association of Medical Teams Abroad).



■ GRANT FUNDING RECEIVED

ACADEMIC MEDICAL ORGANIZATION OF SOUTHWESTERN ONTARIO

"Early discharge and the direct anterior total hip arthroplasty: the creation of a program."
\$97,500 – PI: **Lanting B**

CANADIAN INSTITUTES OF HEALTH RESEARCH

"Development of a virtual training simulator to model shoulder replacement surgery."
\$379,500 – PI: **Johnson J**

"Dynamic micro-computed tomography for preclinical musculoskeletal research."
\$719,145 – PI: **Holdsworth D**

"Load-altering interventions and knee osteoarthritis progression."
\$645,273 – Co-PIs: Birmingham TB and **Giffin JR**

"Advancing understanding of gender, work and pain."
\$100,000 – Co-PIs: **MacDermid JC** and Walton D

CANADIAN ORTHOPAEDIC ASSOCIATION, CANADIAN ORTHOPAEDIC RESEARCH LEGACY GRANT

"Evaluation of conventional and patient-specific instrumentation using radiostereometric analysis."
\$20,000 – Co-PIs: **Teeter M** and **Naudie D**

INTERNATIONAL SOCIETY OF ARTHROSCOPY, KNEE SURGERY AND ORTHOPAEDIC SPORTS MEDICINE AND THE ORTHOPAEDIC RESEARCH AND EDUCATION FOUNDATION

"Multi centre randomized clinical trial comparing anterior cruciate ligament reconstruction with and without lateral extra-articular tenodesis in individuals who are at high risk of graft failure."
\$200,000 – PI: **Getgood A**

LAWSON HEALTH RESEARCH INSTITUTE

"Radiostereometric analysis of reverse total shoulder arthroplasty."
\$15,000 – PI: **Teeter M**

"Contribution of pro-inflammatory cytokine TNF – to the development of compartment syndrome."
\$15,000 – PI: **Lawendy AR**

MINISTRY OF LABOUR

"Firefighter performance by age and gender."
\$235,032 – Co-PIs: **MacDermid JC** and Sinden K

MUSCULOSKELETAL TRANSPLANT FOUNDATION

"Techniques to reduce meniscus extrusion during meniscus allograft transplantation."
\$51,000 – PI: **Getgood A**

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA

"Development of biomechanical feedback devices and robot-assisted technologies for orthopaedic applications."
\$25,000 – PI: **Ferreira L**

"Novel mechanical systems to perform biomechanical assessments of the shoulder."
\$23,000 – PI: **Johnson J**

ORTHOPAEDIC TRAUMA ASSOCIATION

"A prospective randomized multi centre study to compare open reduction, tightrope fixation and ligament repair (AR) versus open screw fixation (OS) of the tibio- fibular syndesmosis."
\$98,000 – Co-PIs: **Lawendy AR** and **Sanders D**

"Therapeutic application of CO-releasing molecule (CORM-3) in large animal model of compartment syndrome."
\$50,000 – PI: **Lawendy AR**

PHYSICIANS' SERVICES INCORPORATED FOUNDATION

"A randomized trial comparing the direct lateral, anterior, and posterior approach: Imaging and clinical outcomes in total hip arthroplasty."
\$19,500 – PI: **Vasarhelyi E** and Petis S

■ APPOINTMENTS & ACCOLADES

Dr. George Athwal selected as one of the top 28 shoulder surgeons in North America in the September 24 issue of Orthopedics This Week.

Dr. Steven MacDonald named inaugural J.C. Kennedy Chair in Orthopaedic Surgery.

Dr. Douglas Naudie appointed to Site Chief of Surgery at University Hospital, London Health Sciences Centre and awarded the C.H. Rorabeck Award.

Dr. Marie-Eve LeBel received her Master of Health Professions Education from the University of Illinois at Chicago. Thesis title, "Contextualization of Simulation-based Training for Basic Arthroscopic Skills".

Dr. Abdel-Rahman Lawendy received his PhD from Western University. Thesis title, "Pathophysiology of Compartment Syndrome". A US and Canadian regular patent application were filed on April 15, 2014 for "Treatment of Compartment Syndrome". CA 2,848,895; US 14/253,750



Dr. Alan Getgood awarded a Department Of Surgery Clinician Scientist Award.

Dr. Ruby Grewal awarded a Department Of Surgery Clinician Scientist Award.

Dr. J. Robert Giffin received the O'Donoghue Award from the American Orthopaedic Association for Sports Medicine, earned his Executive MBA from Ivey Business School with an Ivey Scholar designation, selected for the University Students' Council Teaching Honour Roll Award of Excellence, and received the Fowler Kennedy Sport Medicine Clinic Team Award of Excellence.

Dr. Joshua Giles, PhD Candidate, Biomedical Engineering (Supervisors: Drs. James A. Johnson & George S. Athwal) received the Collip Medal Award.

Dr. Graham King appointed as the Site Chief of Surgery, St. Joseph's Health Care and awarded the American Academy of Orthopaedic Surgeons (AAOS) Achievement Award for Educational Service to the AAOS.

Dr. Mark MacLeod appointed the inaugural Chief Medical Officer at London Heath Sciences Centre.

Dr. David Sanders selected for the University Students' Council Honour Roll Award of Excellence for 2013 and 2014, and awarded the W. Harvey Bailey Teaching Award.

Dr. James McAuley elected Chair of two committees with the Canadian Orthopaedic Association: the Arthroplasty Program Committee and the Finance and Audit Committee.

Dr. Kenneth Faber awarded the Dr. H.S. Cameron Award for Education Excellence.

Dr. Kevin Willits selected for the University Students' Council Teaching Honour Roll Award of Excellence.

Dr. Megan Cashin appointed Co-Chair of Year 2 Undergraduate Musculoskeletal Block, Schulich School of Medicine & Dentistry and member of the newly created national research group, Canadian Paediatric Orthopaedic Group (CPOG).

■ BOOK CHAPTERS

Gammon B, **King GJW**. Elbow Arthroscopy Complications. In: Pederzini LA, Bain G, Safran MR, editors. Elbow Arthroscopy. Heidelberg: Springer; 2013. p.103-112

Grewal R, King GJW. Ch 19 – Ulnar Head Replacement: Partial and Total. In: Greenberg J, editor. Ulnar-Sided Wrist Pain: A Master Skills Publication. Chicago: American Society for Surgery of the Hand; 2013. p. 207-212

Grewal R. Ch 11 – Distal Radius Fractures. In: Yao J et al., editors. The Year Book of Hand and Upper Limb Surgery. Philadelphia: Elsevier Mosby; 2013. p. 163-180

Hui C, Thompson S, **Giffin JR**. Knee Arthritis. In: Miller M, Thompson S, editors. DeLee & Drez's Orthopaedic Sports Medicine. New York: Elsevier; 2014.

Johnson JA, King GJW. Biomechanics of Elbow Arthroplasty. In: Nicholson GP, editors. Orthopaedic Knowledge Update: Shoulder and Elbow. Rosemont: American Academy of Orthopaedic Surgeons; 2013. p.55-64

Leblanc JEM, **Lebel EM, Drosdowech DS, Faber KJ, Athwal GS**. Hill-Sachs Remplissage. In: Brockmeier SF, Miller MD, editors. Surgery of Shoulder Instability. New York: Springer Heidelberg; 2013. p. 95-106

King GJW. Elbow Arthroplasty. In: Slutsky D, editor. Operative Orthopaedics of the Upper Extremity. New York: McGraw Hill; 2014. p. 521-540

King GJW. Radial Head Fractures: Acute and Chronic Reconstruction. In: Weiss APC (managing editor), Goldfarb CA, Hentz VR, Raven RB, Slutsky DJ, Steinmann SP, editors. Textbook of Hand and Upper Extremity Surgery. Chicago: American Society for Surgery of the Hand; 2013. p. 598-617

Kuhnel SP, **Athwal GA, King GJW**. Elbow and Forearm Trauma. In: Cannada LK, editor. Orthopaedic Knowledge Update 11. Rosemont: American Academy of Orthopaedic Surgeons; 2014. p. 387-406

Lapner M, **King GJ**. Radial head fractures. In: Instructional Course Lectures. 2014; 63:3-13

Lapner M, **King GJW**. Elbow arthroplasty for distal humeral fractures. In: Instructional Course Lectures. 2014; 63:15-26

O'Connor PA, **Lanting BA, MacDonald SJ**. Metal-on-Metal Bearings. In: Berry DM, Lieberman J, editors. Surgery of the Hip. Philadelphia: Saunders-Elsevier; 2013. p. 893-906

Vasarhelyi E, MacDonald SJ. Exposure Techniques in Revision Total Knee Arthroplasty – Chapter 4. In: Total Knee Replacement. Rossi, Bonasia; 2013. p. 27-36

Young, DK, **King GJW**. Arthroscopic Radial Head Excision: Indications and Technique. In: Johnson DH, Amendola A, Barber FA, editors. Operative Arthroscopy. Philadelphia: Lippincott Williams Wilkins; 2013. p. 395-402

■ JOURNAL ARTICLES

Aggarwal VK, Tischler EH, Lautenbach C, Williams GR Jr, Abboud JA, Altena M, Bradbury TL, Calhoun JH, Dennis DA, DelGaizo DJ, Font-Vizcarra L, Huotari K, Kates SL, Koo KH, Mabry TM, Moucha CS, Palacio JC, Peel TN, Poolman RW, Robb WJ 3rd, Salvagno R, Seyler T, Skaliciski G, **Vasarhelyi EM**, Watters WC 3rd. Mitigation and Education. J Arthroplasty. 2014 Jan; 32 (Suppl 1):16-25

Aggarwal VK, Tischler EH, Lautenbach C, Williams GR Jr, Abboud JA, Altena M, Bradbury TL, Calhoun JH, Dennis DA, DelGaizo DJ, Font-Vizcarra L, Huotari K, Kates SL, Koo KH, Mabry TM, Moucha CS, Palacio JC, Peel TN, Poolman RW, Robb WJ 3rd, Salvagno R, Seyler T, Skaliciski G, **Vasarhelyi EM**, Watters WC 3rd. Mitigation and Education. J Arthroplasty. 2014 Feb; 29:19-25

Alolabi B, Gray A, **Ferreira LM, Johnson JA, Athwal GS, King GJ**. Reconstruction of the coronoid process using the tip of the ipsilateral olecranon. J Bone Joint Surg Am. 2014 Apr; 96(7):590-6

Alolabi B, Studer A, Gray A, **Ferreira LM, King GJ, Johnson JA, Athwal GS**. Selecting the diameter of a radial head implant: an assessment of local landmarks. J Shoulder Elbow Surg. 2013 Oct; 22(10):1395-9

Arumugam V, **MacDermid JC, Grewal R**. Content analysis of work limitation, Stanford presenteeism, and work instability questionnaires using international classification of functioning, disability, and health and item perspective framework. Rehabil Res Pract. 2013; 2013:614825

Arumugam V, **MacDermid JC**. A theoretical model to embrace physical activity counselling in primary care practice. Health Science Inquiry – Special Issue Primary Health Care and Health Care Reform. 2014; 5:96-8

Arumugam V, **MacDermid JC**. Knowledge synthesis of various physical activity self report measures used in physiotherapy practice – A Scoping Review Protocol. J Student Physical Therapy Research. 2014; 7:1-7

Arumugam V, **MacDermid JC**. The Work Instability Scale. J Physiother. 2013 Sep; 59(3):212

Arumugam V, **MacDermid JC**. The Work Limitations Questionnaire (WLQ-25). J Physiother. 2013 Dec; 59(4):276

Athwal GS, Faber KJ, King GJ, Elkinson I. Crista supinatoris fractures of the proximal part of the ulna. J Bone Joint Surg Am. 2014 Feb; 96(4):326-31

Ayeni OR, Belzile EL, Musahl V, **Naudie D**, Crouch S, Sprague S, Bhandari M. Results of the PeRception of femOroaCetabular impingEment by Surgeons Survey (PROCESS). Knee Surg Sports Traumatol Arthrosc. 2014 Apr; 22(4):906-10

Ayeni OR, Kowalczyk M, Farag J, Farrokhyar F, Chu R, Bedi A, **Willits K**, Bhandari M. Trends in reporting of mechanisms and incidence of hip injuries in males playing minor ice hockey in Canada: a cross-sectional study. Open Access J Sports Med. 2014 Jan; 5:143-9

Ayeni OR, **Naudie D**, Crouch S, Adili A, Pindiprolu B, Chien T, Beaulé PE, Bhandari M. Surgical indications for treatment for femoroacetabular impingement with surgical hip dislocation. Knee Surg Sports Traumatol Arthrosc. 2013 Jul; 21(7):1676-83

Babatunde F, Macdonald IA, Latif K, Patterson J, Capocci H, Thirkell P, **MacDermid JC**. Comparison of the effects of glucose and fructose on exercise metabolism, perceived exertion and recovery in untrained females. Physiology Journal. 2014 Feb; Article ID 383092:11 pages

Beattie K, Ioannidis G, **MacDermid JC**, Grewal R, Papaioannou A, Adachi JD, Hodsman AB. Appropriate Osteoporosis Treatment by Family Physicians in Response to FRAX vs CAROC Reporting: Results From a Randomized Controlled Trial. J Clin Densitom. 2014 Oct-Dec; 17(4):458-65

Bogdan Y, Tornetta P 3rd, Leighton R, Dahn U, Sagi H, Nalley C, **Sanders D**, Siegel J, Mullis B, Bemenderfer T, Vallier H, Boyd A, Schmidt A, Westberg JR, Egol KA, Kottmeier S, Collinge C. Treatment and complications in orthopaedic trauma patients with symptomatic pulmonary embolism. J Orthop Trauma. 2014 Jan; 28 (Suppl 1):S6-9



Boudreault J, Desmeules F, Roy JS, Dionne C, Frémont P, **MacDermid JC**. The efficacy of oral non-steroidal anti-inflammatory drugs for rotator cuff tendinopathy: A systematic review and meta-analysis. *J Rehabil Med*. 2014 Apr; 46 (4):294-306

Bruinsma W, Kodde I, de Muinck Keizer RJ, Kloen P, Lindenhovius AL, Vroemen JP, Haverlag R, van den Bekerom MP, Bolhuis HW, Bullens PH, Meylaerts SA, van der Zwaal P, Steller PE, Hageman M, Ring DC, den Hartog D, Hammacher ER, **King GJ, Athwal GS, Faber KJ, Drosdowech D, Grewal R**, Goslings JC, Schep NW, Eygendaal D. A randomized controlled trial of nonoperative treatment versus open reduction and internal fixation for stable, displaced, partial articular fractures of the radial head: the RAMBO trial. *BMC Musculoskelet Disord*. 2014 May; 15:147

Burkhardt SS, Debeer JF, Giles JW, **Johnson JA, Athwal GS**. Traditional and modified latarjet techniques. *Am J Sports Med*. 2013 Jul; 41 (7):NP31-2

Carlesso L, **MacDermid JC**, Santaguida PL, Thabane L. A survey of patient's perceptions of what is "adverse" in manual physiotherapy and predicting who is likely to say so. *J Clin Epidemiol*. 2013 Oct; 66 (10):1184-91

Carlesso LC, **MacDermid JC**, Gross AR, Walton D, Santaguida PL. Treatment preferences amongst physiotherapists and chiropractors for the management of neck pain: results of an international survey. *Chiropr Man Therap*. 2014 Mar 24; 22(1):11

Carlesso LC, **MacDermid JC**, Santaguida PL, Thabane L. Determining adverse events in patients with neck pain receiving orthopaedic manual physiotherapy: a pilot and feasibility study. *Physiother Can*. 2013 Summer; 65(3):255-65

Catherine S, **Litchfield R**, Johnson M, Chronik B, **Getgood A**. A cadaveric study of the anterolateral ligament: re-introducing the lateral capsular ligament. *Knee Surg Sports Traumatol Arthrosc*. 2014 Jun 15. [Epub ahead of print]

Cheifetz O, Packham TL, **MacDermid JC**. Rasch analysis of the Edmonton Symptom Assessment System and research implications. *Curr Oncol*. 2014 Apr; 21 (2):e186-94

Cheifetz O, Park Dorsay J, Hladysh G, **MacDermid J**, Serediuk F, Woodhouse LJ. CanWell: meeting the psychosocial and exercise needs of cancer survivors by translating evidence into practice. *Psychooncology*. 2014 Feb; 23 (2):204-15

Cheung DK, **MacDermid J**, Walton D, **Grewal R**. The construct validity and responsiveness of sensory tests in patients with carpal tunnel syndrome. *Open Orthop J*. 2014 May; 8:100-7

Cheung J, Kajaks T, **MacDermid JC**. The Relationship between Neck Pain and Physical Activity. *Open Orthop J*. 2013 Sep 20; 7:521-9

Coenen M, Kus S, Rudolf KD, Müller G, Berno S, Dereskewitz C, **MacDermid J**. Do patient-reported outcome measures capture functioning aspects and environmental factors important to individuals with injuries or disorders of the hand? *J Hand Ther*. 2013 Oct-Dec; 26(4):332-42; quiz 342

Constand M, **MacDermid JC**. Effects of neck pain on reaching overhead and reading: a case-control study of long and short neck flexion. *BMC Sports Sci Med Rehabil*. 2013 Oct 11; 5(1):21

Constand MK, **MacDermid JC**, Dal Bello-Haas V, Law M. Scoping review of patient-centered care approaches in healthcare. *BMC Health Serv Res*. 2014 Jun 19; 14:271

Constand MK, **MacDermid JC**. Applications of International Classification of Functioning, Disability and Health in goal-setting in health care. *Disabil Rehabil*. 2014; 36(15):1305-14

Corten K, Struelens B, Evans B, Graham E, Bourne RB, **MacDonald SJ**. Gastrocnemius flap reconstruction of soft-tissue defects following infected total knee replacement. *Bone Joint J*. 2013 Sep; 95-B(9):1217-21

Daneshvar P, Roffey DM, Brikeet YA, Tsai EC, **Bailey CS**, Wai EK. Spinal cord injuries related to cervical spine fractures in the elderly: factors affecting mortality. *Spine J*. 2013 Aug; 13(8):862-6

Degen RM, Giles JW, Thompson SR, **Litchfield RB, Athwal GS**. Biomechanics of complex shoulder instability. *Clin Sports Med*. 2013 Oct; 32(4):625-36

Desai SJ, Deluce S, **Johnson JA, Ferreira LM, Leclerc AE, Athwal GS, King GJ**. An anthropometric study of the distal humerus. *J Shoulder Elbow Surg*. 2014 Apr; 23(4):463-9

Desai SJ, Patel J, Abdo H, **Lawendy AR, Sanders D**. A comparison of surgical delays in directly admitted versus transferred patients with hip fractures: Opportunities for improvement? *Can J Surg*. 2014 Feb; 57(1):40-3

Dewan N, **MacDermid JC**, Packham T. Role of a Self-Efficacy-based Model of Intervention: The LEARN Approach in Rehabilitation of Distal Radius Fracture. *Critical Reviews in Physical Medicine*. 2013 Dec; 25(3-4):241-259

- Dewan N, **MacDermid JC**. Effect of box taping as an adjunct to stretching-strengthening exercise program in correction of scapular alignment in people with forward shoulder posture – A randomised trial. *ISRN Rehabilitation*. 2014; Article ID 510137, 12 pages
- Dewan N, **MacDermid JC**. Fall Efficacy Scale – International (FES-I). *J Physiother*. 2014 Mar; 60(1):60
- DiPaola CP, Dea N, Noonan VK, **Bailey CS**, Dvorak MF, Fisher CG. Surgeon-industry conflict of interest: survey of North Americans' opinions regarding surgeons consulting with industry. *Spine J*. 2014 Apr; 14(4):584-91
- Doherty C, Gan BS, **Grewal R**. Ulnar shortening osteotomy for ulnar impaction syndrome. *J Wrist Surg*. 2014 May; 3(2):85-90
- Dzaja I, Macdermid JC, Roth J, **Grewal R**. Functional outcomes and cost estimation for extra-articular and simple intra-articular distal radius fractures treated with open reduction and internal fixation versus closed reduction and percutaneous Kirschner wire fixation. *Can J Surg*. 2013 Dec; 56(6):378-84
- Ek ET, **Suh N**, Carlson MG. Vascular anomalies of the hand and wrist. *J Am Acad Orthop Surg*. 2014 Jun; 22(6):352-60
- Ek ET, **Suh N**, Weiland AJ. Hand and wrist injuries in golf. *J Hand Surg Am*. 2013 Oct; 38(10):2029-33
- Engl CA, **MacDonald SJ**, Sritulanondha S, Korczak A, **Naudie D**. Metal Ion Levels After Metal-on-Metal Total Hip Arthroplasty: A Five-Year, Prospective Randomized Trial. *J Bone Joint Surg Am*. 2014 Jun; 96(6):448-455
- FAITH Investigators, FAITH Investigators (**Lawendy AR, Sanders D**). Fixation using alternative implants for the treatment of hip fractures (FAITH): design and rationale for a multi-centre randomized trial comparing sliding hip screws and cancellous screws on revision surgery rates and quality of life in the treatment of femoral neck fractures. *BMC Musculoskelet Disord*. 2014 Jun 26; 15: 219
- Giles JW, **Johnson JA, Athwal GS**. Authors' response. *Am J Sports Med*. 2013 Jul; 41(7):NP32
- Giles JW, Puskas GJ, Welsh MF, **Johnson JA, Athwal GS**. Suture anchor fixation of bony bankart fractures: comparison of single-point with double-point "suture bridge" technique. *Am J Sports Med*. 2013 Nov; 41(11):2624-31
- Gray AB, Alolabi B, **Ferreira LM, Athwal GS, King GJ, Johnson JA**. The effect of a coronoid prosthesis on restoring stability to the coronoid-deficient elbow: a biomechanical study. *J Hand Surg Am*. 2013 Sep; 38(9):1753-61
- Grewal R**, Frakash U, Osman S, McMurtry RY. A quantitative definition of scaphoid union: determining the inter-rater reliability of two techniques. *J Orthop Surg Res*. 2013 Aug; 8(1):28
- Gross AR, Huang S, Khan M, Kaplan F, Santaguida PL, Carlesso LC, **MacDermid JC**, Walton DM, Kenardy J, Söderlund A, Verhagen A, Hartvigsen J. Psychological Care, Patient Education, Orthotics, Ergonomics and Prevention for Neck Pain: A Systematic Overview Update as part of the ICON* Project. *Open Orthop J*. 2013 Sep 20; 7:530-61
- Haverstock JP, **Sanders DW, Bartley DL**, Lim RK. Traumatic pediatric hip dislocation in a toddler. *J Emerg Med*. 2013 Jul; 45(1):91-4
- Hosein YK, Clynick MP, McLachlin SD, **King GJ**, Dunning CE. The effect of stem curvature on torsional stability of a generalized cemented joint replacement system. *J Appl Biomater Funct Mater*. 2013 Dec; 11(3):e167-71
- Hosein YK, **King GJ**, Dunning CE. The effect of stem surface treatment and material on pistoning of ulnar components in linked cemented elbow prostheses. *J Shoulder Elbow Surg*. 2013 Sep; 22(9):1248-55.
- Johnston R, Uguhart JC, Rosas-Arellano P, Tallon C, **Gurr KR**, Bailey SI, **Bailey CS**. Natural History of Degenerative Lumbar Spondylolisthesis in patients with Spinal Stenosis. *Can J Surg*. 2014 Jan; 57(3 Suppl 2):S36
- Katchky RN, **King GJ, Johnson JA, Athwal GS**. The bicipital tuberosity and distal radius are unreliable landmarks for radial head implant alignment. *J Shoulder Elbow Surg*. 2013 Sep; 22(9):1242-7
- Kaur M, **MacDermid JC**, Stratford P, Woodhouse L, **Grewal R**. Functional outcomes post-radial head arthroplasty: a systematic review of literature. doi: 10.1177/1758573214524934. *Shoulder and Elbow*. 2014 Mar; 6(2):108-18
- Khadilkar L, **MacDermid JC**, Sinden KE, **Jenkyn TR**, Birmingham TB, **Athwal GS**. An analysis of functional shoulder movements during task performance using Dartfish movement analysis software. *Int J Shoulder Surg*. 2014 Jan; 8(1):1-9
- Knowles NK, **Athwal GS**, Keener JD, **Ferreira LM**. Regional bone density variations in osteoarthritic glenoids: a comparison of symmetric to asymmetric (type B2) erosion patterns. *J Shoulder Elbow Surg*. 2014 Oct 8. [Epub ahead of print]
- Lalone EA, Rajgopal V, Roth J, **Grewal R, MacDermid JC**. A cohort study of one-year functional and radiographic outcomes following intra-articular distal radius fractures. *Hand (N Y)*. 2014 Jun; 9(2):237-43

Lalone EA, Rajgopal V, Roth J, **Grewal R, MacDermid JC**. A cohort study of one-year functional and radiographic outcomes following intra-articular distal radius fractures. *Hand (N Y)*. 2014 Jun; 9(2):237-43

Lanting BA, Ferreira LM, Johnson JA, Athwal GS, King GJ. The effect of excision of the radial head and metallic radial head replacement on the tension in the interosseous membrane. *Bone Joint J*. 2013 Oct; 95-B(10):1383-7

Lanting BA, Ferreira LM, Johnson JA, King GJ, Athwal GS. The effect of radial head implant length on radiocapitellar articular properties and load transfer within the forearm. *J Orthop Trauma*. 2014 Jun; 28(6):348-53

Lanting BA, Macdonald SJ. The painful total hip replacement: diagnosis and deliverance. *Bone Joint J*. 2013 Nov; 95-B(11 Suppl A):70-3

Lanting BA, Teeter MG, Vasarhelyi EM, Ivanov TG, Howard JL, Naudie DD. Correlation of Corrosion and Biomechanics in the Retrieval of a Single Modular Neck Total Hip Arthroplasty Design: Modular Neck Total Hip Arthroplasty System. *J Arthroplasty*. 2014 Jun 19. pii: S0883-5403(14)00417-3. doi:10.1016/j.arth.2014.06.009. [Epub ahead of print]

Lapner M, Willing R, **Johnson JA, King GJ**. The effect of distal humeral hemiarthroplasty on articular contact of the elbow. *Clin Biomech (Bristol, Avon)*. 2014 May; 29(5):537-44

LeBlanc JEM, **LeBel ME, Drosdowech DS, Faber KJ, Athwal GS**. Arthroplasty for acute shoulder trauma. *Minerva Ortop*. 2013 Aug; 64(4):377-94

Leclerc AE, Deluce S, **Ferreira L, Desai S, King GJ, Athwal GS**. Measurements of the ipsilateral capitellum can reliably predict the diameter of the radial head. *J Shoulder Elbow Surg*. 2013 Dec; 22(12):1724-8

Leighton R, Akermark C, Therrien R, Richardson JB, Andersson M, Todman MG, Arden NK, DUROLANE Study Group [**Litchfield R**]. NASHA hyaluronic acid vs. methylprednisolone for knee osteoarthritis: a prospective, multi-centre, randomized, non-inferiority trial. *Osteoarthritis Cartilage*. 2014 Jan; 22(1):17-25

Longino PD, Birmingham TB, Schultz WJ, Moyer RF, **Giffin JR**. Combined tibial tubercle osteotomy with medial opening wedge high tibial osteotomy minimizes changes in patellar height: a prospective cohort study with historical controls. *Am J Sports Med*. 2013 Dec; 41(12):2849-57

MacDermid JC, Miller J, Gross AR. Knowledge Translation Tools are Emerging to Move Neck Pain Research into Practice. *Open Orthop J*. 2013 Sep 20; 7:582-93

MacDermid JC, Walton DM, Côté P, Santaguida PL, Gross A, Carlesso L; ICON. Use of outcome measures in managing neck pain: an international multidisciplinary survey. *Open Orthop J*. 2013 Sep 20; 7:506-20

MacDermid JC, Walton DM, Miller J; ICON. What is the Experience of Receiving Health Care for Neck Pain? *Open Orthop J*. 2013 Sep 20; 7:428-39

MacDermid JC. Editorial: management of neck pain. *Open Orthop J*. 2013 Sep 20; 7:385-6

Marsh J, **Bryant D, MacDonald SJ, Naudie D, Remtulla A, McCalden R, Howard J, Bourne R, McAuley J**. Are patients satisfied with a web-based followup after total joint arthroplasty? *Clin Orthop Relat Res*. 2014 Jun; 472(6):1972-81

Marsh JD, **Bryant DM, MacDonald SJ, Naudie DD**. Patients respond similarly to paper and electronic versions of the WOMAC and SF-12 following total joint arthroplasty. *J Arthroplasty*. 2014 Apr; 29(4):670-3

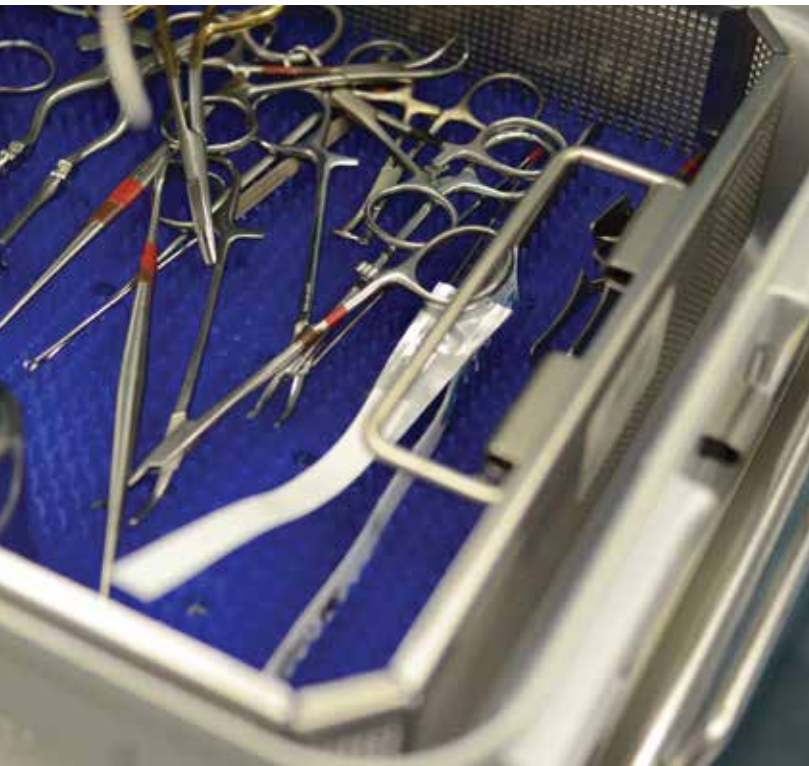
Martin R, Birmingham TB, **Willits K, Litchfield R, Lebel ME, Giffin JR**. Adverse event rates and classifications in medial opening wedge high tibial osteotomy. *Am J Sports Med*. 2014 May; 42(5):1118-26

Mathew G, Kowalczyk M, Hetaimish B, Bedi A, Philippon MJ, Bhandari M, Simunovic N, Crouch S, Ayeni OR, FAITH Investigators (**Sanders D**). Radiographic prevalence of CAM-type femoroacetabular impingement after open reduction and internal fixation of femoral neck fractures. *Knee Surg Sports Traumatol Arthrosc*. 2014 Apr 1; 22 (4): 793-800

McCalden RW, Robert CE, Howard JL, Naudie DD, McAuley JP, MacDonald SJ. Comparison of outcomes and survivorship between patients of different age groups following TKA. *J Arthroplasty*. 2013 Sep; 28(8 Suppl):83-6

McNamara IR, Birmingham TB, Marsh JD, Chesworth BM, **Bryant DM, Giffin JR**. A preference-based single-item measure of quality of life following medial opening wedge high tibial osteotomy: large improvements similar to arthroplasty. *Knee*. 2014 Mar; 21(2):456-61

Mostafavi K, Tutunea-Fatan OR, Lalone E, **King GJW, Johnson JA**. Determination of elbow flexion-extension axis based on planar and closed B-Splines. *Comput Aided Des Appl*. 2013 Aug; 10(4):551-65



Nadeau M, Rosas-Arellano MP, **Gurr KR**, Bailey SI, Taylor DC, **Grewal R**, Lawlor DK, **Bailey CS**. The reliability of differentiating neurogenic claudication from vascular claudication based on symptomatic presentation. *Can J Surg*. 2013 Dec; 56(6):372-7

Naudie DD, Somerville L, Korczak A, Yuan X, **McCalden RW**, **Holdsworth D**, Bourne RB. A randomized trial comparing acetabular component fixation of two porous ingrowth surfaces using RSA. *J Arthroplasty*. 2013 Sep; 28(8 Suppl):48-52

Nishiwaki M, Welsh M, Gammon B, **Ferreira LM**, **Johnson JA**, **King GJ**. Distal radioulnar joint kinematics in simulated dorsally angulated distal radius fractures. *J Hand Surg Am*. 2014 Apr; 39(4):656-63

Nishiwaki M, Willing R, **Johnson JA**, **King GJ**, **Athwal GS**. Identifying the location and volume of bony impingement in elbow osteoarthritis by 3-dimensional computational modeling. *J Hand Surg Am*. 2013 Jul; 38(7):1370-6

O'Brien KK, Solomon P, Trentham B, MacLachlan D, **MacDermid J**, Tynan AM, Baxter L, Casey A, Chegwidan W, Robinson G, Tran T, Wu J, Zack E. Evidence-informed recommendations in rehabilitation for older adults living with HIV: A knowledge synthesis. *BMJ Open*. May 2014; 4:e004692

Olsen M, **Naudie DD**, Edwards MR, Sellan ME, **McCalden RW**, Schemitsch EH. Evaluation of a patient specific femoral alignment guide for hip resurfacing. *J Arthroplasty*. 2014 Mar; 29(3):590-5

Ospina MB, Taenzer P, Rashid S, **MacDermid JC**, Carr E, Chojcecki D, Harstall C, Henry JL. A systematic review of the effectiveness of knowledge translation interventions for chronic non-cancer pain. *Pain Res Manag*. 2013 Nov-Dec; 18(6):e129-41

Packham T, **MacDermid JC**. Evaluation of the Patient Rated Wrist Evaluation using Rasch analysis. *J Hand Ther*. 2013 Jul-Sep; 26(3):216-23; quiz 224

Pang HN, Jamieson P, **Teeter MG**, **McCalden RW**, **Naudie DD**, **MacDonald SJ**. Retrieval analysis of posterior stabilized polyethylene tibial inserts and its clinical relevance. *J Arthroplasty*. 2014 Feb; 29(2):365-8

Peloso PM, Khan M, Gross AR, Carlesso L, Santaguida PL, Lowcock J, **MacDermid JC**, Walton D, Goldsmith CH, Langevin P, Shi Q. Pharmacological Interventions including Medical Injections for Neck Pain: An Overview as part of the ICON* Project. *Open Orthop J*. 2013 Sep 20; 7:473-93

Power J, Hernandez P, Guehring H, **Getgood A**, Henson F. Intra-articular injection of rhFGF-18 improves the healing in microfracture treated chondral defects in an ovine model. *J Orthop Res*. 2014 May; 32(5):669-76

Preston S, **Howard J**, **Naudie D**, Somerville L, **McAuley J**. Total knee arthroplasty after high tibial osteotomy: no differences between medial and lateral osteotomy approaches. *Clin Orthop Relat Res*. 2014 Jan; 472(1):105-10

Puskas GJ, Giles JW, Degen RM, **Johnson JA**, **Athwal GS**. Humeral head reconstruction for Hill-Sachs defects: a biomechanical comparison of 2 fixation techniques for bone grafting. *Arthroscopy*. 2014 Jan; 30(1):22-8

Rezansoff AJ, Catherine S, Spencer L, Tran MN, **Litchfield RB**, **Getgood AM**. Radiographic landmarks for surgical reconstruction of the anterolateral ligament of the knee. *Knee Surg Sports Traumatol Arthrosc*. 2014 Jun 17. [Epub ahead of print]

Richardson J, Dal Bello-Haas V, Loyola-Sanchez A, **MacDermid J**, Sinclair S. Self-management of Function in Older Adults: The Contribution of Physical Therapy. *Curr Transl Geriatr Exp Gerontol Rep*. 2013 Dec; 2(4):215-29

- Robbins SM, Rastogi R, **Howard J**, Rosedale R. Comparison of measurement properties of the P4 pain scale and disease specific pain measures in patients with knee osteoarthritis. *Osteoarthritis Cartilage*. 2014 Jun; 22(6):805-12
- Rosedale R, Rastogi R, May S, Chesworth BM, Filice F, Willis S, **Howard J**, **Naudie D**, Robbins SM. Efficacy of Exercise Intervention as Determined by the McKenzie System of Mechanical Diagnosis and Therapy for Knee Osteoarthritis: A Randomized Controlled Trial. *J Orthop Sports Phys Ther*. 2014 Mar; 44(3):173-A6
- Roy JS, **MacDermid JC**, Tang K, Beaton DE. Construct and predictive validity of the chronic pain grade in workers with chronic work-related upper-extremity disorders. *Clin J Pain*. 2013 Oct; 29(10):891-7
- Saithna A, Kundra R, **Getgood A**, Spalding T. Opening wedge distal femoral varus osteotomy for lateral compartment osteoarthritis in the valgus knee. *Knee*. 2014 Jan; 21(1):172-5
- Sandman E, Canet F, Petit Y, Laflamme GY, **Athwal GS**, Rouleau DM. Radial Head Subluxation following Malalignment of the Proximal Ulna: A Biomechanical Study. *J Orthop Trauma*. 2013 Dec 26 [Epub ahead of print]
- Santaguida PL, Keshavarz H, Carlesso LC, Lomotan M, Gross A, **MacDermid JC**, Walton D, ICON. A description of the methodology used in an overview of reviews to evaluate evidence on the treatment, harms, diagnosis/classification, prognosis and outcomes used in the management of neck pain. *Open Orthop J*. 2013 Sep 20; 7:461-72
- Schüttler KF, Pöttgen S, **Getgood A**, Rominger MB, Fuchs-Winkelmann S, Roessler PP, Ziring E, Efe T. Improvement in outcomes after implantation of a novel polyurethane meniscal scaffold for the treatment of medial meniscus deficiency. *Knee Surg Sports Traumatol Arthrosc*. 2014 Apr 8 [Epub ahead of print]
- Schüttler KF, Schenker H, Theisen C, Schofer MD, **Getgood A**, Roessler PP, Struwer J, Rominger MB, Efe T. Use of cell-free collagen type I matrix implants for the treatment of small cartilage defects in the knee: clinical and magnetic resonance imaging evaluation. *Knee Surg Sports Traumatol Arthrosc*. 2014 Jun; 22(6):1270-6
- Shaik SS, **MacDermid JC**, Birmingham T, **Grewal R**, Farooq B. Short-term sensory and cutaneous vascular responses to therapeutic ultrasound in the forearms of healthy volunteers. *J Ther Ultrasound*. 2014 Jun; 2:10
- Shao Y, Zhang C, Charron KD, **Macdonald SJ**, **McCalden RW**, Bourne RB. The fate of the remaining knee(s) or hip(s) in osteoarthritic patients undergoing a primary TKA or THA. *J Arthroplasty*. 2013 Dec; 28(10):1842-5
- Shi Q, Sinden K, **MacDermid JC**, Walton D, **Grewal R**. A systematic review of prognostic factors for return to work following work-related traumatic hand injury. *J Hand Ther*. 2014 Jan; 27(1):55-62; quiz 62
- Shi Q, Warren L, Saposnik G, **MacDermid JC**. Confusion assessment method: a systematic review and meta-analysis of diagnostic accuracy. *Neuropsychiatr Dis Treat*. 2013;9:1359-70
- Smit KM, **Naudie DD**, Ralley FE, Berta DM, **Howard JL**. One dose of tranexamic acid is safe and effective in revision knee arthroplasty. *J Arthroplasty*. 2013 Sep; 28(8 Suppl):112-5
- Somerville LE, **Willits K**, Johnson AM, **Litchfield R**, **LeBel ME**, Moro J, **Bryant D**. Clinical Assessment of Physical Examination Maneuvers for Rotator Cuff Lesions. *Am J Sports Med*. 2014 Jun; 42(8):1911-1919
- Spalding T, Robinson J, **Getgood A**. Concerns over interpretation of data in "anterior cruciate ligament femoral footprint anatomy: systematic review of the 21st century literature". *Arthroscopy*. 2014 May; 30(5):538-9
- Studer A, **Athwal GS**, **Macdermid JC**, **Faber KJ**, **King GJ**. The lateral para-olecranon approach for total elbow arthroplasty. *J Hand Surg Am*. 2013 Nov; 38(11):2219-2226
- Suh N**, Ek ET, Wolfe SW. Carpal fractures. *J Hand Surg Am*. 2014 Apr; 39(4):785-91; quiz 791
- Suh N**, Wolfe SW. Soft tissue mallet finger injuries with delayed treatment. *J Hand Surg Am*. 2013 Sep; 38(9):1803-5
- Symonette CJ, **MacDermid J**, **Grewal R**. Social Support Contributes to Outcomes following Distal Radius Fractures. *Rehabil Res Pract*. 2013; 2013:867250
- Teeter MG**, Langohr GD, Medley JB, **Holdsworth DW**. Nondestructive microimaging during preclinical pin-on-plate testing of novel materials for arthroplasty. *Proc Inst Mech Eng H*. 2014 Feb; 228(2):159-64. doi: 10.1177/0954411914522615.
- Teeter MG**, **McAuley JP**, **Naudie DD**. Fracture of Two Moderately Cross-Linked Polyethylene Tibial Inserts in a TKR Patient. *Case Rep Orthop*. 2014 Jan; 2014:491384
- Teeter MG**, Milner JS, **MacDonald SJ**, **Naudie DD**. Manufacturing lot affects polyethylene tibial insert volume, thickness, and surface geometry. *Proc Inst Mech Eng H*. 2013 Aug; 227(8):884-9



Tutunea-Fatan OR, Bernick JH, Lalone E, McDonald CP, **King GJW, Johnson JA**. Assessing the performances of collision driven numerically-simulated implantation in elbow replacement surgery. *IJCAET*. 2013 Aug; 5(4):263-290

Uddin Z, **MacDermid JC**. Pain Hypersensitivity: A Bio-Psychological Explanation of Chronic Musculoskeletal Pain and Underpinning Theory. *Pain Studies and Treatment*. 2014 Apr; 2(2):Article ID:44825, 5 pages

Vasarhelyi EM, Macdonald SJ, Della Valle CJ, Vail TP. Let's Do a Revision Total Knee Arthroplasty. *Instr Course Lect*. 2014 Jan; 63:239-51

Venkataramanan V, Gignac MA, Dunbar M, Garbuz D, Gollish J, Gross A, Hedden D, **MacDonald SJ**, Mahomed NN, Schemitsch E, Davis AM. The importance of perceived helplessness and emotional health in understanding the relationship among pain, function, and satisfaction following revision knee replacement surgery. *Osteoarthritis Cartilage*. 2013 Jul; 21(7):911-7

Vincent JJ, **Macdermid JC, Grewal R**, Sekar VP, Balachandran D. Translation of Oswestry disability index into Tamil with cross cultural adaptation and evaluation of reliability and validity. *Open Orthop J*. 2014 Jan; 8:11-9

Walton DM, Carroll LJ, Kasch H, Sterling M, Verhagen AP, **MacDermid JC**, Gross A, Santaguida PL, Carlesso L; ICON. An Overview of Systematic Reviews on

Prognostic Factors in Neck Pain: Results from the International Collaboration on Neck Pain (ICON) Project. *Open Orthop J*. 2013 Sep 20; 7:494-505

Walton DM, **MacDermid JC**, Russell E, Koren G, Van Uum S. Hair-Normalized Cortisol Waking Response as a Novel Biomarker of Hypothalamic-Pituitary-Adrenal Axis Activity following Acute Trauma: A Proof-of-Concept Study with Pilot Results. *Pain Res Treat*. 2013; 2013:876871

Walton DM, **MacDermid JC**, Santaguida PL, Gross A, Carlesso L; ICON. Results of an International Survey of Practice Patterns for Establishing Prognosis in Neck Pain: The ICON Project. *Open Orthop J*. 2013 Sep 20; 7:387-95

Walton DM, **MacDermid JC**, Taylor T; ICON. What does 'recovery' mean to people with neck pain? Results of a descriptive thematic analysis. *Open Orthop J*. 2013 Sep 20; 7:420-7

Walton DM, **MacDermid JC**. A brief 5-item version of the Neck Disability Index shows good psychometric properties. *Health Qual Life Outcomes*. 2013 Jul 1; 11:108

Willing R, **King GJ, Johnson JA**. The effect of implant design of linked total elbow arthroplasty on stability and stress: a finite element analysis. *Comput Methods Biomech Biomed Engin*. 2014 Jan; 17(11):1165-72

Willing R, Lapner M, Lalone EA, **King GJ, Johnson JA**. Development of a computational technique to measure cartilage contact area. *J Biomech*. 2014 Mar; 47(5):1193-7

Willing RT, Nishiwaki M, **Johnson JA, King GJ, Athwal GS**. Evaluation of a computational model to predict elbow range of motion. *Comput Aided Surg*. 2014 May; 19(4-6):57-63

Willits K, Kaniki N, **Bryant D**. The use of platelet-rich plasma in orthopedic injuries. *Sports Med Arthrosc*. 2013 Dec; 21(4):225-30

Zielinski SM, Bouwmans CA, Heetveld MJ, Bhandari M, Patka P, Van Lieshout EM, FAITH trial investigators [**Lawendy AR, Sanders D**]. The societal costs of femoral neck fracture patients treated with internal fixation. *Osteoporos Int*. 2014 Mar; 25(3):875-85

Zielinski SM, Keijsers NL, Praet SF, Heetveld MJ, Bhandari M, Wilssens JP, Patka P, Van Lieshout EM, FAITH Trial Investigators (**Lawendy AR, Sanders D**). Femoral neck shortening after internal fixation of a femoral neck fracture. *Orthopedics*. 2013 Jul 1; 36 (7): e849-58

Leaders in Surgical Education and Paediatric Research Collaboration

Division of Paediatric Surgery

Established in 2003, the Division of Paediatric Surgery is the newest Division in the Department of Surgery. It is comprised of paediatric sub-specialists from a variety of backgrounds including general surgery, urology, neurosurgery, ophthalmology, otolaryngology, orthopaedics, plastic surgery and dentistry. The Division is dedicated to providing the best paediatric care possible to children from Southwest, Northwest and Central Ontario. The Division has grown substantially since its early beginnings and continues to increase its mark on clinical, academic and research activities under the leadership of Dr. Leslie Scott, associate professor and Division Chair/Chief.

Dr. Andreana Bütter, Division of Paediatric Surgery



**THE DIVISION HAS GROWN
SUBSTANTIALLY SINCE ITS
EARLY BEGINNINGS AND
CONTINUES TO INCREASE ITS
MARK ON CLINICAL, ACADEMIC
AND RESEARCH ACTIVITIES.**



Dr. Leslie Scott, Chair/Chief,
Division of Paediatric Surgery

Paediatric care from Division members has become more involved internationally with Dr. Damir Matic, associate professor, joining in medical missions in the Cayman Islands through the organization Cayman Orthopaedic Group, and Dr. Megan Cashin, assistant professor, travelling to Ecuador with the Canadian Association of Medical Teams Abroad (CAMTA).

On the local front, Dr. Raymond Lee, adjunct professor, participated in the fund raising events Sharing Smiles Day at Western University and the Night of Heroes event for Community Living London.

Committed to the academic mission of the Schulich School of Medicine & Dentistry, Division members are involved in all levels of paediatric medical education – undergraduate, postgraduate and fellowship training. Dr. Andreana Bütter, paediatric general surgeon, was appointed director of surgical education – undergraduate education and serves as an examiner for the paediatric surgery board exams. Paediatric orthopaedic surgeon Dr. Megan Cashin was appointed co-chair of the Undergraduate Year 2 – Musculoskeletal Curriculum Committee, and Dr. Debra Bartley, assistant professor in paediatric orthopaedic surgery, was appointed coordinator of the surgical clinical clerkship at Victoria Hospital, LHSC and elected

subcommittee chair of the Accreditation Committee, Institutional Self-Study Task Force, Educational Resource Standards at Western University. The Division has recently had two members, Drs. Debra Bartley and Sumit Davé, successful in their academic promotion to the rank of associate professor.

With such a varied faculty, collaborative research opportunities are ever-present in the Division, involving members from the Divisions of Orthopaedic Surgery, Plastic & Reconstructive Surgery, the Centre for Education Research & Innovation (CERI), and the Department of Paediatrics.

Through collaboration with the Paediatric Surgical Chiefs of Canada (PSCC), the Division has partnered with other academic health centres across Canada to develop programs that look at improving quality outcomes in paediatric surgical care; the first national target being outpatient post-operative pain management. The Division has also partnered with CAPSnet, a national paediatric surgical data network which focuses on congenital anomalies. The network is envied throughout the world, and has improved the short-term outcomes of patients with congenital diaphragmatic hernias and gastroschisis as well as developed evidence-based treatment strategies.

■ GRANT FUNDING RECEIVED

CHILDREN'S HEALTH RESEARCH INSTITUTE

"Brain variability in children with and without previous IVH."

\$7,000 – PI: De **Ribaupierre S**

CANADIAN INSTITUTES OF HEALTH RESEARCH

"Development and validation of new technologies to monitor hydrocephalus."

\$367,156 – PI: **De Ribaupierre S**

PHYSICIANS' SERVICES INCORPORATED FOUNDATION

"Novel assessment of ingrown toenails treated by excision of the skinfold rather than toenail (NAILTEST): a prospective cohort study of the Vandenbos procedure in children and adolescents."

\$20,000 – Co-PIs: **Jones S** and **Livingstone M**

■ APPOINTMENTS & ACCOLADES

Dr. Debra Bartley selected as the Paediatric Orthopaedic Representative for the LHSC Clinical Services Renewal Project at London Health Sciences Centre.

Dr. Andreana Bütter received the Paediatric Surgery Clerkship Teaching Award and elected Chair of Victoria Hospital's Paediatric Surgery Finance Committee at London Health Sciences Centre.

Dr. Megan Cashin joined the newly created national research group Canadian Paediatric Orthopaedic Group (CPOG).

Dr. Sumit Dave serves on the Editorial Board of the Journal of Progress in Paediatric Urology and received the Canadian Urological Association Astellas Research Award.

Dr. Sarah Jones serves as Associate Editor of the Journal of Paediatric Surgery and received the JH Duff Award.

Dr. Damir Matic elected AONA CMF International Representative to the AO International Education Committee.

Dr. Neil Merritt elected Chair of the Canadian Association of Paediatric Surgeons' Trauma Committee and Chair of the Trauma and Injury Prevention Committee for the Canadian Association of Paediatric Surgeons, selected for the Board of Directors of the Trauma Association of Canada, and recipient of the USC Teaching Honour Roll Award of Excellence.

■ JOURNAL ARTICLES

Anantha RV, Lim RK, **Merritt NH**. Laparoscopic removal of an occult foreign body causing penetrating abdominal trauma in a child. CMAJ. 2014 Mar; 186(4):285-8

Anantha RV, Stewart TC, Rajagopalan A, Walsh J, **Merritt NH**. Analgesia in the management of paediatric and adolescent trauma during the resuscitative phase: the role of the paediatric trauma centre. Injury. 2014 May; 45(5):845-9

Armstrong J, **Merritt N**, **Jones S**, **Scott L**, **Bütter A**. Non-operative management of early, acute appendicitis in children: Is it safe and effective? J Pediatr Surg. 2014 May; 49(5):782-5

Dave S, Salle JL. Surgical management of paediatric urinary incontinence. Curr Urol Rep. 2013 Aug; 14(4):342-9

Dave S. Opening the door to new therapeutic options with open label studies for children with detrusor overactivity. Can Urol Assoc J. 2014 May; 8(5-6):181-2

Goldberg AS, Stein R, **Merritt NH**, Inculet R, Van Uum S. A pediatric patient with Cushing syndrome caused by ectopic ACTH syndrome and concomitant pituitary incidentalomas. J Pediatr Endocrinol Metab. 2014 Jan; 27(1-2):123-8

Haverstock JP, Sanders DW, **Bartley DL**, Lim RK. Traumatic pediatric hip dislocation in a toddler. J Emerg Med. 2013 Jul; 45(1):91-4

Howe B, **Jones S**, **Bütter A**. Chronic abdominal pain & colonic non-fixation case report. J Pediatr Surg Case Rep. 2014 Apr; 2(4):159-61

Livingston MH, Igric A, Vogt K, Parry N, **Merritt NH**. Radiation from CT scans in paediatric trauma patients: Indications, effective dose, and impact on surgical decisions. Injury. 2014 Jan; 45(1):164-9

Malowany JI, **Merritt NH**, Chan NG, Ngan BY. Nested stromal epithelial tumor of the liver in Beckwith-Wiedemann syndrome. Pediatr Dev Pathol. 2013 Jul; 16(4):312-7

Martin K, **Bütter A**. Intra-abdominal mass and iron deficiency anemia in a 15-year-old boy: Case report and literature review. J Pediatr Surg Case Rep. 2014 Mar; 2(3):123-5

Power SM, **Matic DB**, Holdsworth DW. Accounting for cranial vault growth in experimental design. Oral Surg Oral Med Oral Pathol Oral Radiol. 2014 May; 117(5):e325-9

Sharan S. Visuomotor control following surgical correction of strabismus in adults. Can J Ophthalmol. 2013 Aug; 48(4):292-9

Tillman BW, **Merritt NH**, Emmerton-Coughlin H, Mehrotra S, Zwiep T, Lim R. Acute Gastric Volvulus in a Six-Year-Old: A Case Report and Review of the Literature. J Emerg Med. 2014 Feb; 46(2):191-6

Dr. Leslie Scott in the North Tower at
London Health Sciences Centre, Division of Paediatric Surgery

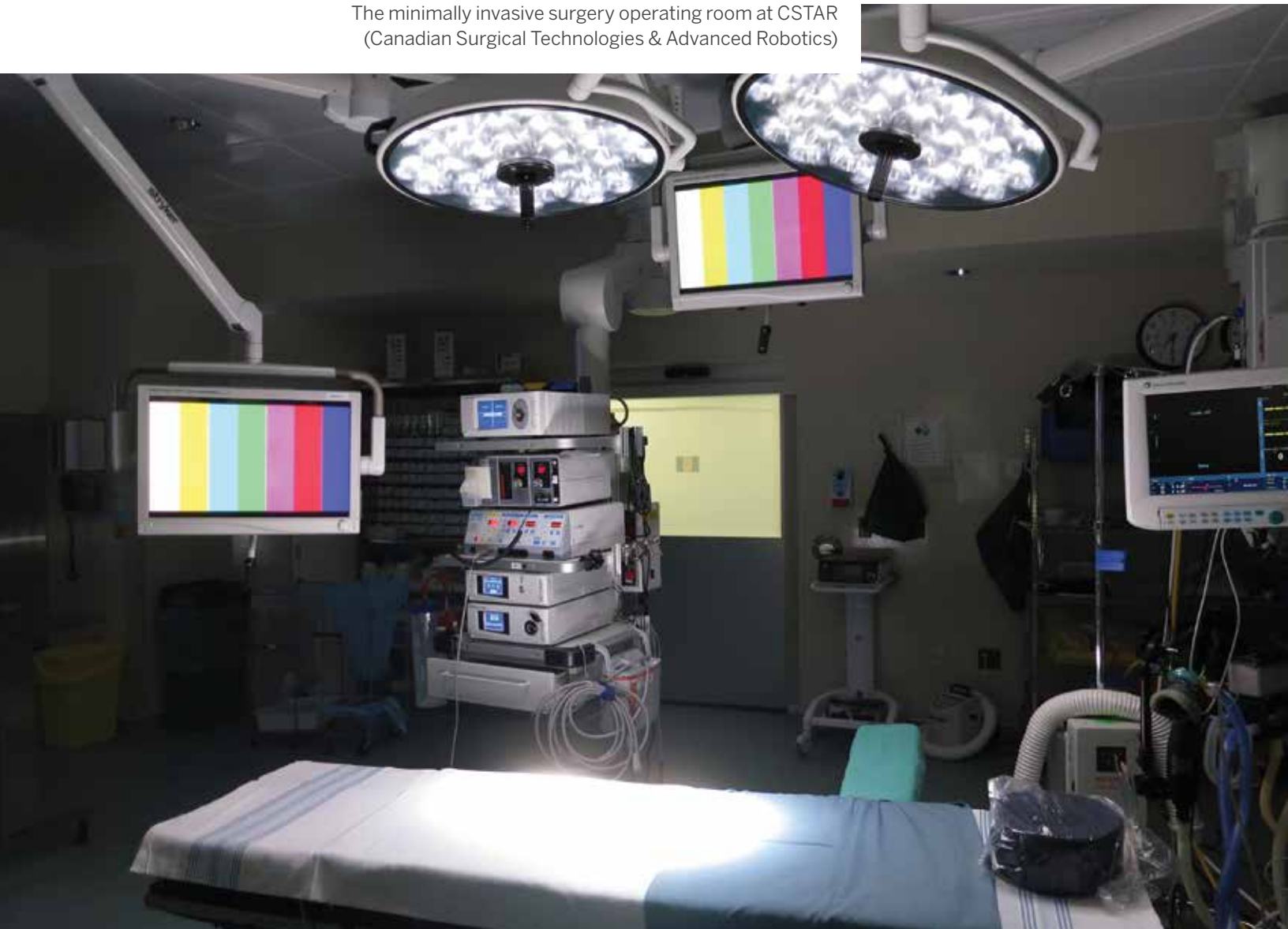


Bringing Research and Innovation to Education and Clinical Care

Division of Plastic & Reconstructive Surgery

The Division of Plastic & Reconstructive Surgery serves the Southwestern Ontario population and also see patients from across Canada with complex reconstructive problems. Division members specialize in a variety of subspecialties such as hand surgery, reconstructive microsurgery, breast surgery, adult and paediatric craniofacial surgery, cleft lip and palate, burn care, peripheral nerve surgery, aesthetic surgery, wound healing, and cutaneous malignancies.

The minimally invasive surgery operating room at CSTAR
(Canadian Surgical Technologies & Advanced Robotics)



**THE DIVISION PROVIDES A SUPERB
EDUCATIONAL EXPERIENCE FOR
OUR TRAINEES AND EXCELLENCE IN
COMPLEX CARE; WHILE CREATING
NEW RESEARCH IN PLASTIC AND
RECONSTRUCTIVE SURGERY.**



Dr. Douglas Ross, Chair/Chief,
Division of Plastic &
Reconstructive Surgery

The past year saw the addition of two recruits to the Division. Dr. Aaron Grant, assistant professor, joined the Division at University Hospital, LHSC. His clinical and research interests include melanoma, breast reconstruction and surgical education. Dr. Chris Doherty, assistant professor, joined the Roth McFarlane Hand and Upper Limb Centre (HULC) at St. Joseph's Hospital, where he specializes in peripheral nerve surgery, hand and wrist surgery and reconstructive plastic surgery. Dr. Doherty's research focuses on clinical outcomes research, large database research and decision and cost-effectiveness analysis.

The annual Resident Research Day featured keynote speaker Dr. Nick Carr, from the University of British Columbia. As the Chair of the Division of Plastic Surgery at UBC, Dr. Carr's academic interests are in hand surgery and aesthetic

surgery, and clinically he is the leading Vancouver specialist in cosmetic plastic surgery. At this annual event, all residents present an annual research project in plastic surgery.

Further research opportunities are provided through fellowships: the Ablative & Reconstructive Breast Fellowship offered through the London Regional Cancer Centre; the Synthes Canada Craniofacial Fellowship directed by Division member, Dr. Damir Matic, associate professor, at Victoria Hospital; the Roth McFarlane Hand & Upper Limb Centre Fellowship, which accepts graduates of recognized orthopaedic, plastic, and general surgery programs; and postdoctoral research fellowships with Division scientists, Dr. David O'Gorman, assistant professor, Dr. James Johnson, professor, and Dr. Joy MacDermid, professor, in their research laboratories at St. Joseph's Hospital.

■ GRANT FUNDING RECEIVED

LAWSON HEALTH RESEARCH INSTITUTE

"Fibrosis-derived factors as novel enhancers of rotator cuff tendon repair."

\$15,000 – PI: **O'Gorman DB** and Faber KJ

CIHR

"Hyaluronan:protein interactions in chronic inflammation."

\$500,000 – Co-investigator with **Dr. Eva Turley**

WORLD DISCOVERIES INDUSTRY GRANT

"Assessing the efficacy of a novel Hyaluronan-Phosphatidylethanolamine cream."

\$100,000 – Co-investigator with **Dr. Eva Turley**

DEPARTMENT OF SURGERY INTERNAL RESEARCH GRANT

"Hyaluronic Acid-Phosphatidylethanolamine Cream: A novel transdermal drug delivery system."

\$5,000 – **Dr. Arjang Yazdani** Co-investigator with **Dr. Eva Turley**

DEPARTMENT OF SURGERY INTERNAL RESEARCH GRANT

"Can bladder injections be replaced with simple bladder instillation of Botulinum toxin A."

\$25,000 – **Dr. Arjang Yazdani** Co-investigator with Drs. Sumit Dave and **Eva Turley**

AMOSO OPPORTUNITIES FUND

"The development of a model to study load transmission in the craniofacial skeleton."

\$65,000 – **Dr. Arjang Yazdani**, Co-investigator with Dr. Tom Jenkyn

■ APPOINTMENTS & ACCOLADES

Dr. Brian Evans received the Plastic & Reconstructive Surgery Clerkship Teaching Award.

Dr. Douglas Ross re-appointed Chair/Chief of the Division of Plastic & Reconstructive Surgery; assumed the role of Chair of the Specialty Committee in Plastic Surgery for the Royal College, serves as a member of the Assessment Committee for the Royal College, serves as Chair of the Educational Foundation, Canadian Society of Plastic Surgeons (CSPS) and serves on the Board of Directors of the CSPS.

Dr. Damir Matic selected for the Global Technical Committee of the Freiburg Germany Stryker Craniofacial Corporation, serves as AONA CMF International Representative, AO International, Education Committee (Davos, Switzerland), serves as Member, Examination Board in Plastic Surgery for the Royal College.

Dr. Bing Siang Gan serves as a member of the Examination Board in Plastic Surgery for the Royal College, serves on the Editorial Board of the Canadian Journal of Plastic Surgery, serves as Co-director of the Roth McFarlane Hand & Upper Limb Cell Biology Laboratory. He is one of Canada's leading experts in Dupuytren's disease and studies the basic mechanisms of this disease as well as investigating the use of collagenase therapy for treatment.

Dr. Arjang Yazdani co-supervised (with Dr. Eva Turley) Dr. Caitlin Symonette in her successful achievement in the first cohort of students in the new Masters of Surgery program. Dr. Symonette's project was entitled, "Quantifying the Effect of a Novel topical Hyaluronic-Acid Phosphatidylethanolamine Cream on the Epidermis."

Dr. David O'Gorman and researchers at Lawson Health Research Institute were the first to demonstrate that insulin-like growth factor-II (IGF-II) can help cells in Dupuytren's disease to contract tissues.

■ JOURNAL ARTICLES

Delyzer TL, **Yazdani A**. Characterizing the lateral slope of the aging female eyebrow. Can J Plast Surg. 2013 Oct; 21(3):173-7

Doherty C, Gan BS, Grewal R. Ulnar shortening osteotomy for ulnar impaction syndrome. J Wrist Surg. 2014 May; 3(2):85-90

Liu W, **O'Gorman DB, Gan BS**. Operative trends and physician treatment costs associated with Dupuytren's disease in Canada. Can J Plast Surg. 2013 Dec; 21(4):229-33

Power SM, **Matic DB**, Holdsworth DW. Accounting for cranial vault growth in experimental design. Oral Surg Oral Med Oral Pathol Oral Radiol. 2014 May; 117(5):e325-9

Raykha C, Crawford J, **Gan BS**, Fu P, Bach LA, **O'Gorman DB**. IGF-II and IGFBP-6 regulate cellular contractility and proliferation in Dupuytren's disease. Biochim Biophys Acta. 2013 Oct; 1832(10):1511-1519

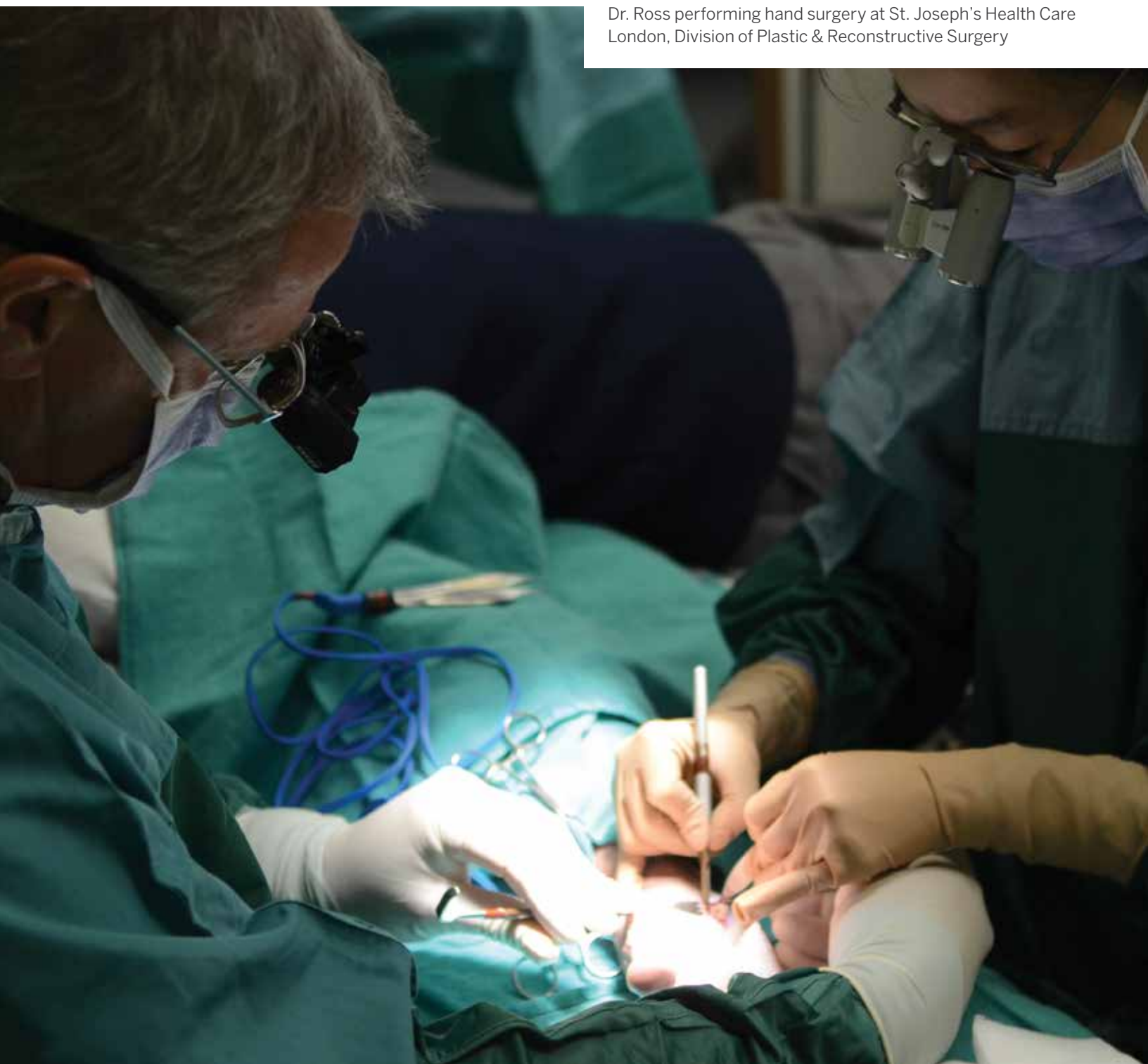
Satish L, **O’Gorman DB**, Johnson S, Raykha C, **Gan BS**, Wang JH, Kathju S. Increased CCT-eta expression is a marker of latent and active disease and a modulator of fibroblast contractility in Dupuytren’s contracture. Cell Stress Chaperones. 2013 Jul; 18(4):397-404

Sawa K, **Yazdani A**, Rieder MJ, Filler G. Propanolol therapy for hemangiomas is less toxic but longer in duration than corticosteroid therapy. Can J Plast Surg. 2013 Oct; 22(10):1-4

Syed SH, Willing R, Jenkyn TR, **Yazdani A**. Video analysis of the biomechanics of a bicycle accident resulting in significant facial fractures. J Craniofac Surg. 2013 Nov; 24(6):2023-9

Willing RT, Roumeliotis G, Jenkyn TR, **Yazdani A**. Development and evaluation of a semi-automatic technique for determining the bilateral symmetry plane of the facial skeleton. Med Eng Phys. 2013 Dec; 35(12):1843-9

Dr. Ross performing hand surgery at St. Joseph’s Health Care London, Division of Plastic & Reconstructive Surgery



International Leaders in Clinical Trials

Division of Thoracic Surgery

The Division underwent a successful external review recognizing that the Division of Thoracic Surgery is a “leading Division at the National Level particularly in the areas of superb clinical outcome and clinical training”. The past year also included two Canadian firsts: the first Robotic assisted Trans Hiatal Esophagectomy, and the first Robotic assisted Trans Thoracic Esophagectomy.

Dr. Richard Inculet, professor and chair/chief of Thoracic Surgery, was reappointed as Chair/Chief of the Division of Thoracic Surgery. He also completed his two year term in September 2014 as President of the Canadian Association of Thoracic Surgeons (CATS), now serving as Past President.

Dr. Richard Malthaner in the operating room at
London Health Sciences Centre, Division of Thoracic Surgery



**THE DIVISION OF
THORACIC SURGERY
IS NATIONALLY AND
INTERNATIONALLY
RENOWNED AS CLINICAL
TRIALS INVESTIGATORS
AND COLLABORATORS.**



Dr. Richard Inculet, Chair/Chief,
Division of Thoracic Surgery

Dr. Richard Malthaner, professor, was elected to the CATS executive and as the CATS representative to the Specialty Committee. Dr. Malthaner was also appointed to the American Joint Committee on Cancer's Upper GI Expert Panel, and Cancer Care Ontario's (CCO) Surgical Management of Gastric Cancer Committee. Dr. Dalilah Fortin was promoted to the rank of associate professor and appointed the Division's Program Director. Dr. Fortin is a member of the Royal College of Physicians & Surgeons of Canada (RCPSC) Thoracic Specialty Committee, and was reappointed as Communication Chair of the CATS Executive. Dr. Eric Frechette, assistant professor, recently became an ICES Scholar. Dr. Frechette introduced Endo Esophageal Ultrasound to London Health Sciences Centre – Victoria Hospital, and was appointed to the RCPSC Thoracic Surgery Examination Committee.

The Division welcomed two international Thoracic Surgery Fellows, Drs. Manal Alnaimi and Ali Albargawi from Saudi Arabia. They will be training for two years in a program following the curriculum of the RCPSC Thoracic Surgery Residency training program. Dr. Alnaimi will return to Saudi as the first

female Thoracic Surgeon in the country. Visiting Romanian thoracic surgeon Dr. Eus Memu was awarded a one year CSTAR – Ethicon fellowship in minimally invasive surgery and simulation. His project is to develop a series of operating room case simulations to evaluate Thoracic Surgery residents in collaboration with members of the Department of Anesthesia and Perioperative Medicine.

**“The past year
also included
two Canadian
firsts: the first
Robotic assisted
Trans Hiatal
Esophagectomy,
and the first
Robotic assisted
Trans Thoracic
Esophagectomy.”**

Thoracic Surgery resident Dr. Shaun Coughlin was awarded the 2014 Canadian Association of Thoracic Surgeons Robert Ginsberg Resident Research award for his research presentation entitled “Is it safe to wait? The effect of Surgical Wait Time on Survival in Non-small cell lung Cancer”. His research presentation also received the Canadian Journal of Surgery “Editors Choice Award”. Ms. Debra Lewis, CRA, has been appointed as a member of the Audit Committee of The Alliance for Clinical Trials in Oncology.

The Division of Thoracic Surgery is nationally and internationally renowned as clinical trials investigators and collaborators. Presently, members are involved in at least six major trials.

■ GRANTS

ACADEMIC MEDICAL ORGANIZATION OF
SOUTHWESTERN ONTARIO (AMOSO)

"ICES Western Surgery Research Initiative."
\$182,000 – PI: Vinden C, Welk B, (Co-investigators)
Malthaner R et al.

DEPARTMENT OF SURGERY INTERNAL RESEARCH FUND

"Risk of recurrence of primary spontaneous
pneumothorax: a population-based cohort study."
\$20,000 – PI: **Fréchette E**

■ JOURNAL ARTICLES

Agzarian J, Miller JD, Kosa SD, **Malthaner R**, Tan L.
Long-Term Survival Analysis of the Canadian Lung
Volume Reduction Surgery Trial. *Ann Thorac Surg*.
2013 Oct; 96(13):1217-22

Deslauriers J, Tronc F, **Fortin D**. Management of tumors
involving the chest wall including pancoast tumors and
tumors invading the spine. *Thorac Surg Clin*. 2013 Aug;
23(3):313-25

Goldberg AS, Stein R, Merritt NH, **Inculet R**, Van Uum S.
A pediatric patient with Cushing syndrome caused by
ectopic ACTH syndrome and concomitant pituitary
incidentalomas. *J Pediatr Endocrinol Metab*. 2014 Jan;
27(1-2):123-8

Karp DD, Lee SJ, Keller SM, Wright GS, Aisner S,
Belinsky SA, Johnson DH, Johnston MR, Goodman G,
Clamon G, Okawara G, Marks R, **Fréchette E**,
McCaskill-Stevens W, Lippman SM, Ruckdeschel J,
Khuri FR. Randomized, Double-Blind, Placebo-
Controlled, Phase III Chemoprevention Trial of Selenium
Supplementation in Patients With Resected Stage I
Non-Small-Cell Lung Cancer: ECOG 5597. *J Clin Oncol*.
2013 Nov; 31(33):4179-87

Patel SV, Coughlin SC, **Malthaner RA**.
High-concentration oxygen and surgical site infections
in abdominal surgery: a meta-analysis. *Can J Surg*.
2013 Aug; 56(4):E82-E90

Schneider L, Shargall Y, Schieman C, Seely AJ,
Srinathan S, **Malthaner RA**, Pierre AF, Safieddine N,
Vaillancourt R, Plourde M, Bond J, Johnson S, Smith SE,
Finley CJ. Design of a consensus-derived synoptic
operative report for lung cancer surgery. *Ann Thorac
Surg*. 2014 Apr; 97(4):1163-8





Division of Urology

Hon Leong, PhD, assistant professor and affiliated institute scientist, Division of Urology



**THE DIVISION OF UROLOGY IS
COMMITTED TO PROVIDING
EXCELLENCE IN PATIENT
CARE, COMPREHENSIVE
SURGICAL EDUCATION, AND
CUTTING EDGE RESEARCH.**



Dr. Hassan Razvi, Chair/Chief,
Division of Urology

Chair/Chief and professor, Dr. Hassan Razvi and his multidisciplinary team set up a special kidney stone prevention clinic at St. Joseph's Hospital, one of the first of its kind in Canada.

Dr. Hon Leong, assistant professor and affiliated institute scientist, also joined the Division of Urology this past year. Dr. Leong is a translational cancer researcher focused on prostate, bladder, kidney and breast cancer, and will be carrying out his research in his lab at the Lawson Health Research Institute in St. Joseph's Hospital.

Dr. Alp Sener was appointed director of the urology residency program. Covering all of Southwestern Ontario and beyond, the Division of Urology receives a high volume of clinical activity. Residents and fellows are given the opportunity to work with faculty members with expertise in various subspecialties, such as andrology/male sexual health, urinary incontinence, oncology, transplantation, minimally-invasive surgery, endourology, urinary stone disease and paediatric urology.



■ GRANT FUNDING RECEIVED

ACADEMIC MEDICAL ORGANIZATION OF SOUTHWESTERN ONTARIO (AMOSO)

“Investigating drug resistance and targeted patient therapy in kidney cancer using the chick chorioallantoic membrane model.”

\$97,500 – PI: **Power N**

“Predicting drug resistance in metastatic renal cell carcinoma: Individualizing targeted therapy by xenografting patient tumours into chick embryos.”

\$237,246 – PI: **Power N**

“Secular trends in the incidence and timing of surgery in boys with undescended testes and hypospadias in Ontario.”

\$65,000 – PI: **Dave S**

CANADIAN UROLOGY ASSOCIATION FOUNDATION

“Novel delivery method of supplemental hydrogen sulphide and caspase-3 siRNA during mechanical perfusion are protective in a donation after cardiac death model of porcine renal transplantation.”

\$50,000 – PI: **Sener A**

“The anatomy of post-chemotherapy retroperitoneal lymph node dissections for testis cancer: a cadaveric study of the aortic plexus and patterns of lumbar vessels.”

\$40,000 – PI: **Power N**

CANADA FOUNDATION FOR INNOVATION

“Simulation and imaging laboratory for the study of ischemia reperfusion injury and inflammation in transplantation.”

\$69,017 – PI: **Sener A, Gunaratnam L**

CANADIAN MALE SEXUAL HEALTH COUNCIL

“The effect of penile traction therapy in Peyronie’s disease can be quantitated and optimized potentially with intrapenile verapamil injections: an animal model with important clinical implications.”

\$50,000 – PI: **Brock G**

CANADIAN UROLOGIC ONCOLOGY GROUP

“PCA3 may be superior to PSA in detecting prostate cancer using a gold standard radical cystoprostatectomy pathological model.”

\$10,000 – PI: **Izawa J**

“Do levels of expression of T-cells’ and NK cells’ ligands in the tumor tissue predict the response to BCG instillation therapy in patients with non-muscle-invasive urothelial carcinoma?”

\$10,000 – PI: **Izawa J**



GRAND CHALLENGES CANADA

“Using locally sourced probiotic food to reduce levels of potent environmental toxins.”

\$113,000 – PI: **Reid G**

KIDNEY CANCER CANADA

“Investigating drug resistance using the chick chorioallantoic membrane model.”

\$15,000 – PI: **Power N**

KIDNEY CANCER RESEARCH NETWORK OF CANADA

“The enumeration of renal cell carcinoma microparticles in patients’ plasmas – a novel prognosticator.”

\$15,000 – PI: **Power N**

LAWSON HEALTH RESEARCH INSTITUTE

“Pilot study for a randomized controlled trial assessing the efficacy of antimicrobial prophylaxis for extracorporeal shock wave lithotripsy on reducing urinary tract infection.”

\$14,656 – PI: **Pautler S**

“The effect of hydrogen sulphide on renal cell carcinoma tumor growth, proliferation and angiogenesis.”

\$15,000

ONTARIO NEUROTRAUMA FOUNDATION

“Home-based monitoring for management and prevention of bladder complications in persons with spinal cord injuries.”

\$590,075 – Co-PIs: **Welk B**, Nigro M, Stothers L

“Urologic health service needs among patients with traumatic spinal cord injuries.”

\$50,000 – PI: **Welk B**

PHYSICIANS SERVICES INCORPORATED FOUNDATION (PSI)

"A randomized controlled trial assessing the efficacy of antimicrobial prophylaxis for extracorporeal shock wave lithotripsy on reducing urinary tract infection."
\$102,000 – Co-PIs: **Razvi H** and **Violette P**

"The protective role of supplemental hydrogen sulphide in allogeneic renal transplantation following prolonged cold storage."
\$99,500 – PI: **Sener A**

PROSTATE CANCER CANADA

"Electronic library for improved urinary and bowel function post-treatment."
\$818,405 – PI: **Chin J**

"Prostate cancer micro-particles in plasma as a fluid biopsy for screening of prostate cancer."
\$450,000 – PI: **Leong H**

ST. JOSEPH'S HEALTH CARE FOUNDATION

"Assessment of novel urinary markers of tissue injury following shock wave lithotripsy."
\$14,456 – PI: **Razvi H**

"Canadian Kidney Cancer Information System (CKCis)."
\$24,980 – PI: **Pautler S**

UROLOGY CARE FOUNDATION RESEARCH SCHOLAR GRANT

"Understanding and expanding the protective effects of hydrogen sulphide against renal ischemia-reperfusion injury."
\$80,000 – PI: **Sener A**

WESTERN UNIVERSITY

"Investigating novel biomarkers in the diagnosis and management of metastatic germ cell tumors."
\$33,912 – PI: **Power N**

■ APPOINTMENTS & ACCOLADES

Dr. Gerald Brock elected President of the Canadian Male Sexual Health Council.

Dr. Joseph Chin appointed National Co-Chair of Prostate Cancer Canada's Health & Education Review Committee and an honorary member of the Chinese Urological Association.

Dr. Sumit Dave promoted to associate professor.

Dr. John Denstedt appointed honorary member of the Chinese Urological Association and elected Chair of the Societe Internationale d'Urologie (SIU)'s Third International Consultation on Stone Disease.

Dr. Stephen Pautler appointed Chair of the Northeastern Section of the American Urological Society's Scholarship Research Committee.

Dr. Nicholas Power elected Chair of Cancer Care Ontario's Genitourinary Disease Site Team (GU DST) and Chair of Testicular Cancer Canada's Medical Advisory Committee.

Dr. Hassan Razvi elected Chair of the Royal College Exam Committee in Urology, and awarded the 2013 St. Joseph's Medical Advisory Committee Award.

Dr. Alp Sener received the 2014 Dean's Award of Excellence for Faculty, the Urology Clerkship Teaching Award, the Canadian Society of Transplantation's Research Excellence Award, the American Society of Transplant Surgeons' Vanguard Prize, named Founder and Chair of the Canadian Association of Surgical Research Chairs, and appointed Chair of the Urology Residency Education Committee of the Canadian Resident Matching Service (CaRMS).

Dr. Blayne Welk appointed ICES Adjunct Scientist in the Kidney, Dialysis & Transplantation Research Program, and named Best Reviewer by the Journal of Urology.

■ BOOK CHAPTERS

Bao Y, **Welk B**, **Reid G**, **Burton JP**. Role of the microbiome in recurrent urinary tract infection. In: Novel Insights into Urinary Tract Infections and their Management. Future Medicine; 2014. p. 48-59

Fahmy N, **Denstedt JD**. Patient selection and informed consent. In: Monga M, Rane A, editors. Percutaneous Renal Surgery. Wiley Blackwell; 2014. p. 46-58

Gibson E, Crukley C, Gaed M, Gómez-Lemus JA, Moussa M, Romagnoli C, **Pautler S**, Chin J, Bauman G, Fenster A, Ward AD. 3D registration of whole-mount prostate histology images to ex vivo magnetic resonance images using strand-shaped fiducials. In: El-Baz AS, Saba L, Suri JS, editors. Abdomen and Thoracic Imaging: An Engineering & Clinical Perspective. Springer; 2014. p. 683-716

Welk B. Urinary Incontinence in women & men. In: The Consumer's Handbook of Urological Health – A Guidebook for Patients and Their Families. Canadian Urological Association; 2013. p. 92-105

Wolfe DL, Legassic M, McIntyre A, Cheung K, Goettl T, Walia S, Loh E, **Welk B**, Ethans K, Hill D, Hsieh JTC, Mehta S, Teasell RW. Bladder Health and Function Following Spinal Cord Injury. In: Spinal Cord Injury Rehabilitation Evidence. Version 4.0.; 2013. p. 1-143

Dr. Alp Sener, Division of Urology



■ JOURNAL ARTICLES

Anastasiadis A, Onal B, Modi P, Turna B, Duvdevani M, Timoney A, Wolf JS Jr, De La Rosette J, CROES PCNL STUDY GROUP [**Razvi H**]. Impact of stone density on outcomes in percutaneous nephrolithotomy (PCNL): an analysis of the clinical research office of the endourological society (CROES) pcnl global study database. *Scand J Urol*. 2013 Dec; 47 (6): 509-514

Bachir BG, Aprikian AG, Fradet Y, **Chin JL, Izawa J**, Rendon R, Estey E, Fairey A, Cagiannos I, Lacombe L, Lattouf JB, Bell D, Saad F, Drachenberg D, Kassouf W. Regional differences in practice patterns and outcomes in patients treated with radical cystectomy in a universal healthcare system. *Can Urol Assoc J*. 2013 Nov; 7(11-12):E667-72

Bachir BG, Aprikian AG, **Izawa JI, Chin JL**, Fradet Y, Fairey A, Estey E, Jacobsen N, Rendon R, Cagiannos I, Lacombe L, Lattouf JB, Kapoor A, Matsumoto E, Saad F, Bell D, Black PC, So AI, Drachenberg D, Kassouf W. Effect of body mass index on the outcomes of patients with upper and lower urinary tract cancers treated by radical surgery: results from a Canadian multicenter collaboration. *Urol Oncol*. 2014 May; 32(4):441-8

Bhan SN, **Pautler SE**, Shayegan B, Voss MD, Goeree RA, You JJ. Active surveillance, radiofrequency ablation, or cryoablation for the nonsurgical management of a small renal mass: a cost-utility analysis. *Ann Surg Oncol*. 2013 Oct; 20(11):3675-84

Blais N, Care M, Drachenberg D, Gedye C, Grant R, Heng DY, Kapoor A, Kollmannsberger C, Lattouf JB, Maher ER, Pause A, Ruether D, Soulieres D, Tanguay S, Turcotte S, Violette PD, Wood L, Basiuk J, **Pautler SE**, Kidney Cancer Research Network of Canada. Canadian guideline on genetic screening for hereditary renal cell cancers. *Can Urol Assoc J*. 2013 Sep; 7(9-10):319-23

Brock G, Broderick G, Roehrborn CG, Xu L, Wong D, Viktrup L. Tadalafil once daily in the treatment of lower urinary tract symptoms (LUTS) suggestive of benign prostatic hyperplasia (BPH) in men without erectile dysfunction. *BJU Int*. 2013 Nov; 112(7):990-7

Brock G, Lee JKC. Sexual dysfunction in 2013: Advances in epidemiology, diagnosis and treatment. *Arab J Urol*. 2013 Sep; 11(3):194-202

Brock G, Montorsi F, Büttner H, Hennes C, Mulhall J. Reply from authors re: Arthur L. Burnett. Erection rehabilitation after radical prostatectomy: definite purpose, indefinite strategy. *Eur Urol* 2014;65:597-8: although erection rehabilitation after prostatectomy remains indefinite, the most effective treatment, the earliest recovery, and the preservation of erectile function remain a definite goal. *Eur Urol*. 2013 Mar; 65(3):598-9

Brock G. CUA Office of Education: Expanding its scope. *Can Urol Assoc J*. 2014 Mar; 8(3-4):83-90

Brock G. Relationships with industry: a fine balance. *Can Urol Assoc J*. 2014 Feb; 8(1-2):18-19

Brock GB, McVary KT, Roehrborn CG, Watts S, Ni X, Viktrup L, Wong DG, Donatucci C. Direct effects of tadalafil on lower urinary tract symptoms versus indirect effects mediated through erectile dysfunction symptom improvement: integrated data analyses from 4 placebo controlled clinical studies. *J Urol*. 2014 Feb; 191(2):405-11

Chin JL. Editorial Comment: Evolution and Outcomes of 3 MHz High Intensity Focused Ultrasound Therapy for Localized Prostate Cancer During 15 Years by Stefan Thüroff and Christian Chaussy. *J Urol*. 2013 Aug; 190(2):710

Chin JL. Following radical prostatectomy, to beam or not to beam? *Eur Urol*. 2013 Oct; 64(4):565-6

Chin JL. Optimizing the management of pathologic, possible, and putative N1 prostate cancer. *Eur Urol*. 2014 Mar; 65(3):563-4

Chung E, Solomon M, DeYoung L, **Brock GB**. Clinical outcomes and patient satisfaction rates among elderly male aged ≥ 75 years with inflatable penile prosthesis implant for medically refractory erectile dysfunction. *World J Urol*. 2014 Feb; 32(1):173-7

Chung E, Solomon M, DeYoung L, **Brock GB**. Comparison between AMS 700™ CX and Coloplast™ Titan inflatable penile prosthesis for Peyronie's disease treatment and remodeling: clinical outcomes and patient satisfaction. *J Sex Med*. 2013 Nov; 10(11):2855-60

Cormio L, Gonzalez GI, Tolley D, Sofer M, Muslumanoglu A, Klingler HC, Stolzenburg JU, de la Rosette J. Exit strategies following percutaneous nephrolithotomy (PCNL): a comparison of surgical outcomes in the Clinical Research Office of the Endourological Society (CROES) PCNL Global Study [**Razvi H**]. *World J Urol*. 2013 Oct; 31 (5): 1239-44

Cormio L, Preminger G, Saussine C, Buchholz NP, Zhang X, Walfridsson H, Gross AJ, de la Rosette J. Nephrostomy in percutaneous nephrolithotomy (PCNL): does nephrostomy tube size matter? Results from The Global PCNL Study from The Clinical Research Office Endourology Society [**Razvi H**]. *World J Urol*. 2013 Dec; 31 (6):1563-8

Darouiche RO, Bella AJ, Boone TB, **Brock G**, Broderick GA, Burnett AL, Carrion R, Carson C 3rd, Christine B, Dhabuwala CB, Hakim LS, Henry G, Jones LA, Khera M, Montague DK, Nehra A. North American consensus document on infection of penile prostheses. *Urology*. 2013 Oct; 82(4):937-42

Dave S, Salle JL. Surgical management of paediatric urinary incontinence. *Curr Urol Rep*. 2013 Aug; 14(4):342-9

Dave S. Opening the door to new therapeutic options with open label studies for children with detrusor overactivity. *Can Urol Assoc J*. 2014 May; 8(5-6):181-2

De La Rosette J, **Denstedt JD**, Geavlete PA, Keeley F, Matsuda T, Pearle MS, Preminger GM, Traxer O, **Razvi H**, on behalf of the CROES URS Study Group. The Clinical Research Office of the Endourological Society Ureterscopy Global Study: Indications, Complications, and Outcomes in 11885 Patients. *J Endourol*. 2014 Feb; 28(2):131-139

Di Bella JM, Bao Y, Gloor GB, **Burton JP**, **Reid G**. High throughput sequencing methods and analysis for microbiome research. *J Microbiol Methods*. 2013 Dec; 95(3):401-14

Fahmy N, Lazo-Langner A, Iansavichene AE, **Pautler SE**. Effect of Anticoagulants and Antiplatelet Agents on the Efficacy of Intravesical BCG Treatment of Bladder Cancer: A Systematic Review. *Can Urol Assoc J*. 2013 Nov; 7(11-12):E740-E749

Fahmy N, **Sener A**, Sabbiseti V, Nott L, Lang RM, **Welk B**, Mendez-Probst CE, Macphree RA, Vaneerdewijk S, Cadieux PA, Bonventre J, **Razvi H**. Urinary Expression of Novel Tissue Markers of Kidney Injury Following Ureterscopy, Shock Wave Lithotripsy and in Normal Healthy Controls. *J Endourol*. 2013 Sep [Epub ahead of print]

Fahmy N, Sener A, Sabbiseti V, Nott L, Lang RM, **Welk BK**, Méndez-Probst CE, MacPhee RA, VanEerdewijk S, Cadieux PA, Bonventre JV, **Razvi H**. Urinary expression of novel tissue markers of kidney injury after ureterscopy, shockwave lithotripsy, and in normal healthy controls. *J Endourol*. 2013 Dec; 27(12):1455-62

Fahmy N, Woo M, Alameldin M, Macdonald K, Goneau LW, Cadieux P, **Pautler SE**. Ochratoxin A is not detectable in renal and testicular tumours. *Can Urol Assoc J*. 2014 Jan; 8(1-2):40-6



Fairey AS, Jacobsen NE, Estey E, Tanguay S, Rendon R, Bell D, **Izawa J**, **Chin J**, Kapoor A, Matsumoto E, Black P, So A, Lattouf JB, Saad F, Drachenberg D, Cagiannos I, Lacombe L, Fradet Y, Kassouf W. Comorbidity status does not independently predict survival outcomes after radical nephroureterectomy for upper tract urothelial carcinoma. *Eur Urol*. 2013 Sep; 64(3):518-9

Fairey AS, Kassouf W, Estey E, Tanguay S, Rendon R, Bell D, **Izawa J**, **Chin J**, Kapoor A, Matsumoto E, Black P, So A, Lattouf JB, Saad F, Drachenberg D, Cagiannos I, Lacombe L, Fradet Y, Jacobsen NE. Comparison of oncological outcomes for open and laparoscopic radical nephroureterectomy: results from the Canadian Upper Tract Collaboration. *BJU Int*. 2013 Oct; 112(6):791-7

Fernandes AD, Macklaim JM, Linn TG, **Reid G**, Gloor GB. ANOVA-like differential expression (ALDEx) analysis for mixed population RNA-Seq. *PLoS One*. 2013 Jul 2; 8(7):e67019

Fuller A, **Razvi H**, **Denstedt JD**, Nott L, Hendrikx A, Luke M, Pal SK, de la Rosette J. The clinical research office of the endourological society percutaneous nephrolithotomy global study: Outcomes in the morbidly obese patient – a case control analysis. *Can Urol Assoc J*. 2014 May; 8(5-6):E393-7

Gan XT, Ettinger G, Huang CX, **Burton JP**, Haist JV, Rajapurohitam V, Sidaway JE, Martin G, Gloor GB, Swann JR, **Reid G**, Karmazyn M. Probiotic administration attenuates myocardial hypertrophy and heart failure after myocardial infarction in the rat. *Circ Heart Fail*. 2014 May; 7(3):491-9

- Gibson E, Gaed M, Gómez JA, Moussa M, **Pautler S, Chin JL**, Crukley C, Bauman GS, Fenster A, Ward AD. 3D prostate histology image reconstruction: Quantifying the impact of tissue deformation and histology section location. *J Pathol Inform*. 2013 Oct; 4:31
- Gibson E, Gaed M, Gómez JA, Moussa M, Romagnoli C, **Pautler S, Chin JL**, Crukley C, Bauman GS, Fenster A, Ward AD. 3D prostate histology reconstruction: an evaluation of image-based and fiducial-based algorithms. *Med Phys*. 2013 Sep; 40(9):093501
- Gleave M, Drachenberg D, Chow R, Chin J, Evans A, Fleshner N, Gallie B, Haider M, Kachura N, Finelli A, Rendon R. Growth Kinetics of Small Renal Masses: A Prospective Analysis from the Renal Cell Carcinoma Consortium of Canada. *Can Urol Assoc J*. 2014 Jan; 8(1-2):24-27
- Gomez AMA, Clarke C, Smith D, Yutkin V, Alzahrani A, **Izawa JI**. Is postoperative epidural analgesia better than patient-controlled analgesia for radical cystectomy? *J Clin Urol*. 2014 May; 7(3):190-7
- Goneau LW, Yeoh NS, MacDonald KW, Cadieux PA, **Burton JP, Razvi H**, Reid G. Selective target inactivation rather than global metabolic dormancy causes antibiotic tolerance in uropathogens. *Antimicrob Agents Chemother*. 2014 Apr; 58(4):2089-97
- Gutierrez J, Smith A, Geavlete P, Shah H, Kural AR, de Sio M, Amón Sesmero JH, Hoznek A, de la Rosette J, CROES PCNL Study Group [**Razvi H**]. Urinary tract infections and post-operative fever in percutaneous nephrolithotomy. *World J Urol*. 2013 Oct; 31 (5): 1135-40
- Jiang A, **Luke PP**. Simultaneous kidney pancreas transplantation: The role in the treatment of type I diabetes and ESRD. *UWOMJ*. 2013 Jul; 82(1):4-6
- Jiang AT, BHSc, Rowe N, **Sener A, Luke P**. Simultaneous pancreas-kidney transplantation: The role in the treatment of type 1 diabetes and end-stage renal disease. *Can Urol Assoc J*. 2014 Mar; 8(3-4):135-8
- Kapoor A, Wang Y, Dishan B, **Pautler SE**. Update on cryoablation for treatment of small renal mass: oncologic control, renal function preservation, and rate of complications. *Curr Urol Rep*. 2014 Apr; 15(4):396
- Kluth LA, Rieken M, Xylinas E, Kent M, Rink M, Rouprêt M, Sharifi N, Jamzadeh A, Kassouf W, Kaushik D, Boorjian SA, Roghmann F, Noldus J, Masson-Lecomte A, Vordos D, Ikeda M, Matsumoto K, Hagiwara M, Kikuchi E, Fradet Y, **Izawa J**, Rendon R, Fairey A, Lotan Y, Bachmann A, Zerbib M, Fisch M, Scherr DS, Vickers A, Shariat SF. Gender-specific Differences in Clinicopathologic Outcomes Following Radical Cystectomy: An International Multi-institutional Study of More Than 8000 Patients. *Eur Urol*. 2013 Dec 5. [Epub ahead of print]
- Lee KC, **Brock GB**. Daily dosing of PDE5 inhibitors: where does it fit in? *Curr Urol Rep*. 2013 Aug; 14(4):269-278
- Li W, Yang S, Kim SO, **Reid G**, Challis JR, Bocking AD. Lipopolysaccharide-Induced Profiles of Cytokine, Chemokine, and Growth Factors Produced by Human Decidual Cells Are Altered by *Lactobacillus rhamnosus* GR-1 Supernatant. *Reprod Sci*. 2014 Jan 15; 21(7):939-947
- Lobb I, Zhu J, Liu W, Haig A, Lan Z, **Sener A**. Hydrogen sulfide treatment ameliorates long-term renal dysfunction resulting from prolonged warm renal ischemia-reperfusion injury. *Can Urol Assoc J*. 2014 May; 8(5-6):E413-8
- Lucca I, Kassouf W, Kapoor A, Fairey A, Rendon RA, **Izawa JI**, Black PC, Fajkovic H, Seitz C, Remzi M, Nyirády P, Rouprêt M, Margulis V, Lotan Y, de Martino M, Hofbauer SL, Karakiewicz PI, Briganti A, Novara G, Shariat SF, Klatte T. The role of adjuvant chemotherapy for lymph node-positive upper tract urothelial carcinoma following radical nephroureterectomy: a retrospective study. *BJU Int*. 2014 May 13. [Epub ahead of print]
- Marek C, Thomson B, Shoker A, **Luke PP**, Moser MAJ. The prognostic value of time needed on dialysis in patients with delayed graft function. *Transplantation*. 2013 Nov; 27(6):E709-E714
- Marek C, Thomson B, Shoker A, **Luke PP**, Moser MAJ. The prognostic value of time needed on dialysis in patients with delayed graft function. *Nephro Dial Transplant* 2014 Jan; 29(1):203-8
- Martinez CH, Williams AK, Chin JL, Stitt L, **Izawa JI**. Perineural invasion and TRUS findings are complementary in predicting prostate cancer biology. *Can J Urol*. 2013; 20(2):6696-701
- Mazzola CR, **Power N**, Bilsky MH, Robert R, Guillonneau B. Pudendal schwannoma: A case report and literature review. *Can Urol Assoc J*. 2014 Mar; 8(3-4):E199-203

McMillan A, Macklaim JM, **Burton JP, Reid G**. Adhesion of *Lactobacillus iners* AB-1 to human fibronectin: a key mediator for persistence in the vagina? *Reprod Sci*. 2013 Jul; 20(7):791-6

Mehta S, Hill D, McIntyre A, Foley N, Hsieh J, Ethans K, Teasell RW, Loh E, **Welk B**, Wolfe D. Meta-analysis of botulinum toxin A detrusor injections in the treatment of neurogenic detrusor overactivity after spinal cord injury. *Arch Phys Med Rehabil*. 2013 Aug; 94(8):1473-81

Messer JC, Shariat SF, Dinney CP, Novara G, Fradet Y, Kassouf W, Karakiewicz PI, Fritsche HM, **Izawa JI**, Lotan Y, Skinner EC, Tilki D, Ficarra V, Volkmer BG, Isbarn H, Wei C, Lerner SP, Curiel TJ, Kamat AM, Svatek RS. Female gender is associated with a worse survival after radical cystectomy for urothelial carcinoma of the bladder: a competing risk analysis. *Urology*. 2014 Apr; 83(4):863-7

Montorsi F, **Brock G**, Stolzenburg JU, Mulhall J, Moncada I, Patel HR, Chevallier D, Krajka K, Henneges C, Dickson R, Büttner H. Effects of tadalafil treatment on erectile function recovery following bilateral nerve-sparing radical prostatectomy: a randomised placebo-controlled study (REACTT). *Eur Urol*. 2014 Mar; 65(3):587-96

Mousavi SR, Raahemifar K, **Pautler S**, Samani A. Towards ultrasound probe positioning optimization during prostate needle biopsy using pressure feedback. *Int J Comp Assisted Radiol Surg*. 2013 Nov; 8(6):1053-61

Myslik F, House AA, Yanko D, Warren J, Caumartin Y, Rehman F, **Jevnikar AM**, Stitt L, **Luke PP**. Preoperative Cylex assay predicts rejection risk in patients with kidney transplant. *Clin Transplant*. 28(5):606-10

Organ M, Jewett M, Basiuk J, Morash C, **Pautler SE**, Siemens DR, Tanguay S, Gleave M, Drachenberg D, Chow R, Chin J, Evans A, Fleshner N, Gallie B, Haider M, Kachura N, Finelli A, Rendon R. Growth Kinetics of Small Renal Masses: A Prospective Analysis from the Renal Cell Carcinoma Consortium of Canada. *Can Urol Assoc J*. 2014 Jan-Feb; 8(1-2):24-7

Palmer TD, Martínez CH, Vasquez C, Hebron KE, Jones-Paris C, Arnold SA, Chan SM, Chalasani V, Gomez-Lemus JA, Williams AK, **Chin JL**, Giannico GA, Ketova T, Lewis JD, Zijlstra A. Integrin-Free Tetraspanin CD151 Can Inhibit Tumor Cell Motility upon Clustering and Is a Clinical Indicator of Prostate Cancer Progression. *Cancer Res*. 2014 Jan; 74(1):173-87

Pautler SE. Reporting the Canadian Robotic Experience: The Outcomes and How We Report Them. *Can Urol Assoc J*. 2013 Sep; 7(9-10):333-4

Petschow B, Doré J, Hibberd P, Dinan T, **Reid G**, Blaser M, Cani PD, Degnan FH, Foster J, Gibson G, Hutton J, Klaenhammer TR, Ley R, Nieuwdorp M, Pot B, Relman D, Serazin A, Sanders ME. Probiotics, prebiotics, and the host microbiome: the science of translation. *Ann N Y Acad Sci*. 2013 Dec; 1306:1-17

Rajakumar C, Vilos GA, Vilos AG, Marks JL, Ettler HC, **Pautler S**. Combined Transurethral and Laparoscopic Partial Cystectomy and Robotically Assisted Bladder Repair for the Treatment of Bladder Endocervicosis: Case Report and Review of the Literature. *J Obstet Gynaecol Can*. 2014 Feb; 36(2):141-5

Reaume MN, Graham GE, Tomiak E, Kamel-Reid S, Jewett MA, Bjarnason GA, Blais N, Care M, Drachenberg D, Gedye C, Grant R, Heng DY, Kapoor A, Kollmannsberger C, Lattouf JB, Maher ER, Pause A, Ruether D, Soulieres D, Tanguay S, Turcotte S, Violette PD, Wood L, Basiuk J, **Pautler SE**, Kidney Cancer Research Network of Canada. Canadian guideline on genetic screening for hereditary renal cell cancers. *Can Urol Assoc J*. 2013 Sep; 7(9-10): 319-23

Reid G, Nduti N, Sybesma W, Kort R, Kollmann TR, Adam R, Boga H, Brown EM, Einerhand A, El-Nezami H, Gloor GB, Kavere II, Lindahl J, Manges A, Mamo W, Martin R, McMillan A, Obiero J, Ochieng' PA, Onyango A, Rulisa S, Salminen E, Salminen S, Sije A, Swann JR, van Treuren W, Waweru D, Kemp SJ. Harnessing microbiome and probiotic research in sub-Saharan Africa: recommendations from an African workshop. *Microbiome*. 2014 Apr 16; 2:12

Reid G. Modulating the vaginal microbiome: the need for a bridge between science and practice. *Semin Reprod Med*. 2014 Jan; 32(1):28-34

Rink M, Lee DJ, Kent M, Xylinas E, Fritsche HM, Babjuk M, Brisuda A, Hansen J, Green DA, Aziz A, Cha EK, Novara G, Chun FK, Lotan Y, Bastian PJ, Tilki D, Gontero P, Pycha A, Baniel J, Mano R, Ficarra V, Trinh QD, Tagawa ST, Karakiewicz PI, Scherr DS, Sjoberg DD, Shariat SF, Compoj E, Daneshmand S, Fradet Y, **Izawa JI**, Kassouf W, Lerner SP, Mayr R, Montorsi F, Sagalowsky AI, Schoenberg MP, Skinner E, Soukup V, Svatek RS, Volkmer BG. Predictors of cancer-specific mortality after disease recurrence following radical cystectomy. *BJU Int*. 2013; 111(3 Pt B):E30-6

Rodrigues G, Yao X, Loblaw DA, Brundage M, **Chin JL**. Low-dose rate brachytherapy for patients with low- or intermediate-risk prostate cancer: A systematic review. *Can Urol Assoc J*. 2013 Nov; 7(11-12):463-470

Rodrigues G, Yao X, Loblaw DA, Brundage M, **Chin JL**. Low-dose rate brachytherapy for patients with low- or intermediate-risk prostate cancer: A systematic review. *Can Urol Assoc J*. 2013 Nov; 7(11-12):E783-7

Sener A, Tran KC, Deng JP, Garcia B, Lan Z, Liu W, Sun T, Arp J, Salna M, Acott P, Cepinskas G, **Jevnikar AM**, **Luke PP**. Carbon monoxide releasing molecules inhibit cell death resulting from renal transplantation related stress. *J Urol*. 2013 Aug; 190(2):772-8

Serrano M, Frank D, **Denstedt JD**. Surgery on a global scale at Western University. *Can J Surg*. 2013 Aug; 156(4):E49-E50

Sheridan PO, Bindels LB, Saulnier DM, **Reid G**, Nova E, Holmgren K, O'Toole PW, Bunn J, Delzenne N, Scott KP. Can prebiotics and probiotics improve therapeutic outcomes for undernourished individuals? *Gut Microbes*. 2014 Jan-Feb; 5(1):74-82

Silberstein JL, Sprenkle PC, Su D, **Power NE**, Tarin TV, Ezell P, Sjoberg DD, Feifer A, Fleisher M, Russo P, Touijer KA. Neutrophil gelatinase-associated lipocalin (NGAL) levels in response to unilateral renal ischaemia in a novel pilot two-kidney porcine model. *BJU Int*. 2013 Aug; 112(4):517-25

Smith A, Averch TD, Shahrour K, Opondo D, Daels FP, Labate G, Turna B, de la Rosette JJ; CROES PCNL Study Group [**Razvi H**]. A Nephrolithometric Nomogram for Predicting Treatment Success in Percutaneous Nephrolithotomy. *J Urol*. 2013 Jul; 190 (1):149-156

Sprenkle PC, Wren J, Maschino AC, Feifer A, **Power N**, Ghoneim T, Sternberg I, Fleisher M, Russo P. Urine neutrophil gelatinase-associated lipocalin as a marker of acute kidney injury after kidney surgery. *J Urol*. 2013 Jul; 190(1):159-64

Tatzel S, **Sener A**. Persistent dry cough: an unusual presentation of renal cell carcinoma. *CMAJ*. 2014 Feb; 186(2):136

Thomas SM, Lam NN, **Welk BK**, Nguan C, Huang A, Nash DM, Prasad GV, Knoll GA, Koval JJ, Lentine KL, Kim SJ, Lok CE, Garg AX, Donor Nephrectomy Outcomes Research (DONOR) Network. Risk of kidney stones with surgical intervention in living kidney donors. *Am J Transplant*. 2013 Nov; 13(11):2935-44

Thomson BK, Moser MA, Marek C, Bloch M, Weernink C, Shoker A, **Luke PP**. Peritoneal dialysis versus hemodialysis in patients with delayed graft function. *Clin Transplant*. 2013 Nov; 27(6):E709-14

Urbaniak C, Cummins J, Brackstone M, Macklaim JM, Gloor GB, Baban CK, Scott L, O'Hanlon DM, **Burton JP**, Francis KP, Tangney M, **Reid G**. Microbiota of human breast tissue. *Appl Environ Microbiol*. 2014 May; 80(10):3007-14

Violette PD, **Denstedt JD**. Standardizing the reporting of percutaneous nephrolithotomy complications. *Indian J Urol*. 2014 Jan; 30(1):62-68

Wang Y, Lang MR, Pin CL, **Izawa JI**. Comparison of the clonality of urothelial carcinoma developing in the upper urinary tract and those developing in the bladder. *SpringerPlus*. 2013 Aug 28; 2:412

Welk B, Loh E, Shariff SZ, Liu K, **Siddiqi F**. An administrative data algorithm to identify traumatic spinal cord injured patients: a validation study. *Spinal Cord*. 2014 Jan; 52(1):34-8

Welk B, McIntyre A, Teasell R, Potter P, Loh E. Bladder cancer in individuals with spinal cord injuries. *Spinal Cord*. 2013 Jul; 51(7):516-21

Welk B, Morrow SA, Madarasz W, Potter P, Sequeira K. The conceptualization and development of a patient-reported neurogenic bladder symptom score. *Res Rep Urol*. 2013 Oct; 5:129-37

Welk B. Surgery Vs Physiotherapy for Stress Urinary Incontinence. *Urology*. 2014 Feb; 83(2):261

Williams AK, Kassouf W, Chin J, Rendon R, Jacobsen N, Fairey A, Kapoor A, Black P, Lacombe L, Tanguay S, So A, Lattouf JB, Bell D, Fradet Y, Saad F, Matsumoto E, Drachenberg D, Cagiannos I, **Izawa JI**. Multifocality rather than tumor location is a prognostic factor in upper tract urothelial carcinoma. *Urol Oncol*. 2013 Oct; 31(7):1161-5

Yafi FA, Tanguay S, Rendon R, Jacobsen N, Fairey A, **Izawa J**, Kapoor A, Black P, Lacombe L, Chin J, So A, Lattouf JB, Bell D, Fradet Y, Saad F, Matsumoto E, Drachenberg D, Cagiannos I, Kassouf W. Adjuvant chemotherapy for upper-tract urothelial carcinoma treated with nephroureterectomy: assessment of adequate renal function and influence on outcome. *Urol Oncol*. 2014 Jan; 32(1):31.e17-24

Yang S, Li W, Challis JRG, **Reid G**, Kim SO, Bocking AD. Probiotic *Lactobacillus rhamnosus* GR-1 supernatant prevents lipopolysaccharide-induced preterm birth and reduces inflammation in pregnant CD-1 mice. *Am J Obstet Gynecol*. 2014 Jul; 211(1):44.e1-44.e12

Zhou L, Zang G, Zhang G, Wang H, Zhang X, Johnston N, **Min W**, **Luke P**, **Jevnikar A**. MicroRNA and mRNA signatures in ischemia reperfusion injury in heart transplantation. *PLOS One*. 2013 Aug; 8(11):e79805

Longstanding National Leaders in Vascular Research and Patient Care

Division of Vascular Surgery

Dedicated to excellence and leadership in patient care, education and research, the Division of Vascular Surgery performs more than 800 major surgical procedures a year. Collaborating with colleagues across several disciplines, the Division provides complete care for patients with vascular diseases, including risk reduction, medical management, percutaneous interventions, endovascular and open surgical procedures.

This past year brought a significant change to the Division, with Dr. Thomas Forbes, former chair/chief of Vascular Surgery and professor, having been recruited to lead the vascular surgery division at the University of Toronto. While Dr. Forbes' departure is a big loss, the Division is still very proud that Dr. Forbes was recruited to one of the top vascular positions in Canada. A graduate of the vascular surgery training program at Schulich School of Medicine & Dentistry, Western University, Dr. Forbes was a member of the Division for 16 years, leading it as Chair/Chief for nine

years. Dr. Guy DeRose is now serving in the role of Acting Chair/Chief, Division of Vascular Surgery, while the Division continues in its formal search for new leadership.

Though small in number, the Division continues to move forward, building on its vision for the future and continuing to make noteworthy contributions to the field of vascular surgery nationally and internationally. Currently, during vascular training there is significant focus on endovascular training and technology. Dr. DeRose sees a need evolving for further training in advanced open-surgery and are in the process of developing an advanced aortic surgery fellowship. This puts the vascular surgery program at Schulich School of Medicine & Dentistry, Western University, in a unique position as not many programs in Canada are able to offer this type of fellowship. Collaborative efforts have already been put into place, with the Division working closely with cardiac surgeons, cardiologists, and geneticists to treat patients with complex aortic pathologies.



Dr. Guy DeRose at London Health Sciences Centre, Division of Vascular Surgery



**THE DIVISION REMAINS
COMMITTED TO ITS VISION
OF PROVIDING THE HIGHEST
STANDARD OF PATIENT CARE.**



Dr. Guy DeRose, Acting Chair/Chief,
Division of Vascular Surgery

The Division's endovascular program is well-known around the world, providing treatment for all aspects of elective and emergent aortic pathologies including thoracic and abdominal aortic aneurysms, dissections, traumatic injuries and thoracoabdominal aneurysms with branched and fenestrated grafts.

Dr. Adam Power, assistant professor and vascular surgery residency program director, served as co-director of the Second Annual Canadian Endovascular Skills Summit this past year. The summit teaches junior residents the basics of endovascular skills through a series of workshops with wet and dry labs. Throughout the year, Dr. Power holds simulation sessions for vascular surgery residents to teach basic endovascular skills and endovascular aneurysm repair. Dr. Power is also a lecturer in the MSc in Surgery program on the topic of "Innovation, Intellectual Property and Commercialization of Medical Devices" and is a professional portfolio mentor at the School for undergraduate medical students.

**"The Division's
endovascular
program is well-
known around the
world, providing
treatment for all
aspects of elective
and emergent
aortic pathologies."**

The Division offers the Vicky Blair Fellowship, which is awarded each year to a post-graduate fellow, junior faculty member, or a physician working in the area of vascular surgery looking to enhance his or her technical skills, knowledge or general ability to practice vascular surgery. The Division is also involved in the Department's graduate program, the MSc in Surgery. Dr. Luc Dubois, assistant professor, developed the graduate level course "Surgery 9200A – An Introduction to Statistics for the Surgeon-Scientist", which is required for all MSc in Surgery students. Dr. Dubois also developed an interactive seminar series for vascular surgery residents, titled "Mastery of the Evidence Seminar Series", designed to give residents a foundation in evidence-based medicine.

The annual Western/McMaster vascular surgery resident research day was held this past year, featuring a keynote address by Dr. Audra Duncan, professor of surgery, Mayo Clinic, Rochester MN, on the topic of "Aortic Endograft Explanation for Infection and Endoleak".

In addition to a strong vascular surgery residency training program, the Division is active in ongoing research efforts. Dr. Dubois is an integral part of the new surgical investigators group at ICES Western and was recently cross-appointed to the Department of Epidemiology & Biostatistics, where he is conducting ongoing research in the field of patient-derived outcomes. Dr. Dubois has been accepted to the ICES Western Faculty Scholars program, and submitted an application to the Summer Research Training Program (SRTP) at the School. His proposed PAIRS study (Patient Imaging Review and Satisfaction), looks at the role of patient imaging review and satisfaction with preoperative decision to undergo surgery.

Dr. Power is the principal investigator for the Medtronic IDE Study, the ENGAGE study, and for the current randomized controlled trial, "Negative Pressure Wound Therapy" having already recruited more than half of the number of patients needed. Dr. Power also presented on venous disease at the Winnipeg Vascular Symposium; and at the Toronto Endovascular Conference (TEC).

Moving forward, the Division remains committed to its vision of providing the highest standard of patient care in an environment of teaching surgical excellence for vascular surgeons of the future.

■ GRANT FUNDING RECEIVED

DEPARTMENT OF SURGERY INTERNAL RESEARCH FUND

"Redefining clinical success from the patient's perspective: Exploring dimensions of patient-centered clinical success using visual research."

\$20,000 – PI: **Dubois L**

■ APPOINTMENTS & ACCOLADES

Dr. Guy DeRose elected Co-Chair of the Clinical Strategy Program Steering Committee and Co-Chair of the Clinical Leadership Committee at London Health Sciences Centre.

Dr. Adam Power received the Vascular Surgery Clerkship Teaching Award, elected to the Royal College of Physicians & Surgeons of Canada's Vascular Surgery Specialty Committee, selected as key reviewer for the Journal of Vascular Surgery, and appointed to the Canadian Association for Wound Care (CAWC) Advisory Board.

Dr. Luc Dubois awarded a Department of Surgery Clinician Scientist Award.

Dr. Sanjay Patel, PGY 3, received the 2013 J.C. Luke Award from the Canadian Society for Vascular Surgery.

Dr. Kevin Lee, PGY4, received the award for Top Paper Presentation at the Western/McMaster Vascular Surgery Resident Research Day.

■ BOOK CHAPTERS

Forbes TL. Non-atheromatous popliteal artery disease. In: Cronenwett JL, Johnston KW, editors. Rutherford's Textbook of Vascular Surgery. Philadelphia: J. B. Elsevier Science; 2014. p. 1801-15

Harris JR, **Forbes TL.** Direct surgical repair of popliteal entrapment. In: Chaikof EL, Cambria RP, editors. Atlas of Vascular Surgery and Endovascular Therapy, 1st Edition. Philadelphia: Elsevier Science; 2014. p. 572-7

■ JOURNAL ARTICLES

Ahmadi N, **Dubois L**, McKenzie M, Brown CJ, MacLean AR, McLeod RS. Role of Evidence-Based Reviews in Surgery in teaching critical appraisal skills and in journal clubs. Can J Surg. 2013 Aug; 56(4):E98-102

Brunkwall J, Lubke T, **Power AH, Forbes TL.** Debate whether level 1 evidence comparing thoracic endovascular repair and medical management is necessary for uncomplicated type B aortic dissections. J Vasc Surg. 2013 Sep; 58(3):836-42

Cooper JA, Dubois L, **Power AH, DeRose G, MacKenzie KS, Forbes TL.** Canadian vascular surgery residents' perceptions regarding future job opportunities. Vascular. 2014 Jun 25 [Epub ahead of print]

Dubois L, Novick TV, Power AH, DeRose G, Forbes TL. Identification of patient-derived outcomes after aortic aneurysm repair. J Vasc Surg. 2014 Jun; 59(6):1528-34

Faulds J, Bell NJ, Harrington DM, Novick TV, Harris JR, **DeRose G, Forbes TL.** Socioeconomic and geographic disparities in access to endovascular abdominal aortic aneurysm repair. Ann Vasc Surg. 2013 Nov; 27(8):1061-7

Forbes TL. Pathologies of progressive thoracic aortic disease. Endovascular Today. 2014 May; 17-9

Kidane B, Parry NG, **Forbes TL.** Review of the management of blunt thoracic aortic injuries according to current treatment recommendations. Ann Vasc Surg. 2013 Nov; 27(8):1014-9

Ouriel K, Fowl RJ, Davies, MG, **Forbes TL, Gambhir RP, Morales JP, Ricci MA.** Reporting standards for adverse events after medical device use in the peripheral vascular system. J Vasc Surg. 2013 Sep; 58(3):776-86

Pepe D, Elliott CG, **Forbes T, Hamilton DW.** Detection of galectin-3 and localization of advanced glycation end products (AGE) in human chronic skin wounds. Histo Histopathol. 2014 Feb; 29(2):251-8

Power AH, Forbes TL. Part two: against the motion. We do not need level 1 evidence comparing best medical treatment with TEVAR in patients with uncomplicated type B aortic dissection. Eur J Vasc Endovasc Surg. 2013 Sep; 46(3):278-9

Ricco JB, **Forbes TL.** Commentary regarding – Trans Atlantic Debate: The role of diameter versus volume as the best prognostic measurement of abdominal aortic aneurysms. Eur J Vasc Endovasc Surg. 2013 Jul; 46(1):1,9

Ricco JB, **Forbes TL.** Commentary regarding – Trans Atlantic Debate: The role of diameter versus volume as the best prognostic measurement of abdominal aortic aneurysms. J Vasc Surg. 2013 Jul; 58(1):265

Ricco JB, **Forbes TL.** Commentary regarding – Trans Atlantic Debate: Whether level 1 evidence is needed comparing best medical treatment with TEVAR in patients with uncomplicated type B aortic dissection. Eur J Vasc Endovasc Surg. 2013 Sep; 46(3):273 & 280-1

Ricco JB, **Forbes TL**. Commentary regarding – Trans Atlantic Debate: Whether level 1 evidence is needed comparing best medical treatment with TEVAR in patients with uncomplicated type B aortic dissection. J Vasc Surg 2013 Sep; 58:841-2

Ricco JB, **Forbes TL**. Commentary regarding – Trans Atlantic Debate: Whether young and good risk patients should be treated with endovascular abdominal aortic aneurysm repair. Eur J Vasc Endovasc Surg. 2013 Dec; 46(6):22-3

Ricco JB, **Forbes TL**. Commentary regarding – Trans Atlantic Debate: Whether young and good risk patients should be treated with endovascular abdominal aortic aneurysm repair. J Vasc Surg. 2013 Dec; 58(6):1716



A Unique Graduate Program for Surgical Trainees

MSc in Surgery

Currently in its second year, the MSc of Surgery program is tailored to the unique needs of surgical trainees; providing an intensive research experience and a solid foundation for success as an academic surgeon. A combination of coursework, basic/clinical/applied research, thesis preparation and defense, the program is intended to fully prepare these individuals specifically seeking future positions in Academic Health Science Centres for the demands of a research career in relation to the CanMeds roles of Medical Expert and Scholar.



Dr. Abdel-Rahman Lawendy
Graduate Program Chair



■ 2014-15 MSc IN SURGERY STUDENTS

Dr. Erin Donohoe, Division of Orthopaedic Surgery
Supervisor: Dr. Abdel-Rahman Lawendy

Dr. Prateek Goyal, Division of Orthopaedic Surgery
Supervisor: Dr. Jamie Howard

Dr. Moustafa Haddara, Division of
Orthopaedic Surgery
Supervisor: Dr. Abdel-Rahman Lawendy

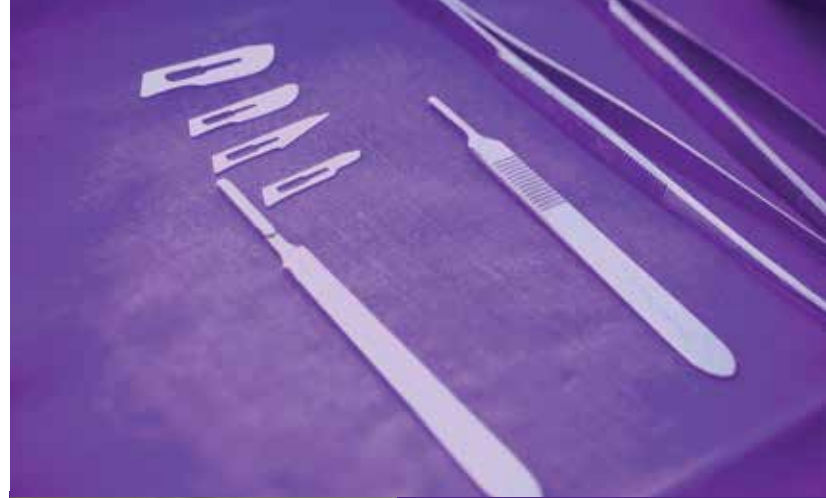
Dr. Krupal Patel, Department of Otolaryngology
Supervisors: Dr. Anthony Nichols and
Dr. Muriel Brackstone

Dr. Kevin Perry, Division of Orthopaedic Surgery
Supervisor: Dr. Jamie Howard

Dr. Matthew Valdis, Division of Cardiac Surgery
Supervisor: Dr. Bob Kiaii

Dr. Terry Zwiép, Division of General Surgery
Supervisor: Dr. Douglas Quan

Dr. Hanaa Alhothi, Division of Urology
Supervisor: Dr. Blayne Welk



Dr. Sayra Cristancho
Associate Graduate
Program Chair



Dr. Sayra Cristancho with the MSc in Surgery students



Contact Information

Department of Surgery
Schulich School of Medicine & Dentistry,
Western University
St. Joseph's Health Care, London
268 Grosvenor Street
London, ON N6A 4V2

Phone: 519.663.3349
Fax: 519.646.6347
www.schulich.uwo.ca/surgery