



January 2020

## 2019 – Year in Review: By the Numbers

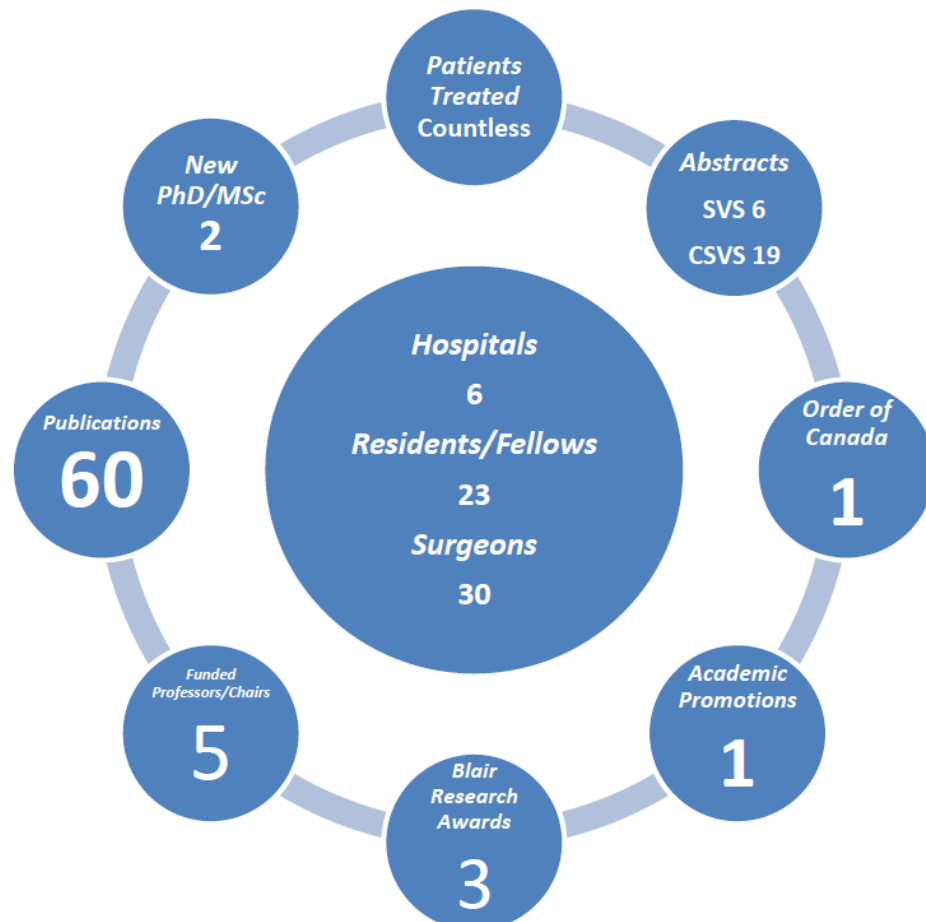
“Not everything that counts can be counted, and not everything that can be counted counts” is a quote often attributed to Albert Einstein, although there is controversy as to whether he actually said it. Regardless, as we transition to a new year it’s important to take stock of the previous year and to recognize all we’ve accomplished. I am very proud to be part of this Division and I hope you’ll enjoy the following sampling of some of the impressive clinical, educational and academic accomplishments of our vascular surgeons, residents and fellows. I can’t wait to see what 2020 has in store for us!

- Thomas L. Forbes, MD

2019

By the Numbers

- 0 – Injuries at Retreat
- 1 – Academic Promotion
- 1 – Order of Canada
- 2 – SSTP Graduates
- 2 – New Funded Awards
- 3 – Blair Innovation Grants
- 3 – New Residents
- 4 – Major Awards
- 4 – Visiting Professors
- 6 – Abstracts at VAM 2019
- 9 – Residents at Bootcamp
- 11 – JVS Contributions
- 19 – Abstracts at CSVS
- 60 – Publications



The 2020  
K. Wayne Johnston  
Lecturer will be  
Dr. Gilbert Upchurch  
from the University of  
Florida

# 0

## U of T Vascular Surgery Residents Injured at Annual Retreat

In the spirit of resident wellness, each year our U of T Vascular Surgery residents get together away from the hospitals to hold an educational day as well as some group bonding exercises. In past years we saw axe-throwing (not catching) and beach volleyball ... and 2019 saw Go-Karting!

We're glad to see that everyone had fun and survived the day in one piece!



# 1

## **Academic Promotions – Dr. Mark Wheatcroft to Associate Professor**

Congratulations to Dr. Mark Wheatcroft who was promoted to Associate Professor. Dr. Wheatcroft studied medicine at the University of Edinburgh, U.K. (MBChB), and is a fellow of the Royal College of Surgeons of Edinburgh (FRCS). He trained in general and vascular surgery in Edinburgh, Sheffield and Doncaster, UK. In 2011 he completed a 1 year fellowship in vascular surgery at the University of Toronto and then, after a 6 month peripheral interventional radiology fellowship in Doncaster UK, returned to Canada in 2012 to take up a staff post as a vascular and endovascular surgeon at St Michael's Hospital, Unity Health Toronto.

He is also the Program Director for the U of T International Fellowship in Vascular Surgery, Director of the annual National Vascular Bootcamp and Director of Surgical Foundations. Congratulations Dr. Wheatcroft!



# 1 Order of Canada – Dr. K. Wayne Johnston

In a ceremony at Rideau Hall, Her Excellency the Right Honourable Julie Payette, Governor General of Canada, invested Dr. K. Wayne Johnston, our founding and inaugural Division Chair, into the Order of Canada.

*In the words of the Governor General’s press release, “Wayne Johnston is a foundational figure in vascular surgery. A professor at the University of Toronto and a surgeon at the Toronto General Hospital, he has refined the treatment and diagnosis of several vascular conditions, including abdominal aortic aneurysms. Notably, he led the landmark Multicentre Canadian Aneurysm Study, which was a reference mainstay for surgeons worldwide. A true innovator in the field, he spearheaded the establishment of vascular surgery as a subspecialty, creating its training and certification requirements with the Royal College of Physicians and Surgeons of Canada.”*

The Order of Canada is one of our country’s highest civilian honours. Its Companions, Officers and Members take to heart the motto of the Order: DESIDERANTES MELIOREM PATRIAM (“They desire a better country”).

Created in 1967, the Order of Canada recognizes outstanding achievement, dedication to the community and service to the nation. Close to 7 000 people from all sectors of society have been invested into the Order. Those who bear the Order’s iconic snowflake insignia have changed our nation’s measure of success and, through the sum of their accomplishments, have helped us build a better Canada.

Appointments are made by the Governor General on the recommendation of the Advisory Council for the Order of Canada.



# 2 Graduates of U of T Surgeon Scientist Training Program

The Surgeon Scientist Training Program (SSTP) at the University of Toronto provides a unique opportunity for our residents to receive first class research training as well as clinical training. The SSTP has been vital in establishing the Department of Surgery at the University of Toronto as one of the leading academic Surgery Departments in the world. The SSTP began in 1983 and has trained over 410 residents with 300 MSc and 110 Ph.D. students. The SSTP attracts the best residents, produces high impact research, and serves as a training ground for academic surgeons worldwide.

In 2019 we were proud to see Drs. Konrad Salata and Omar Selim added to the roster of U of T Vascular Surgery residents who have graduated from the SSTP.



Dr. Konrad Salata received his PhD after successfully completing his thesis, “Long term population based follow up of open versus endovascular repair of elective abdominal aortic aneurysms”. His supervisor was Dr. Mohammed Al-Omran.

Dr. Omar Selim received his Masters of Science after successfully completing his thesis, “The development and validation of the diabetic wound assessment tool (DIWALT)”. His supervisors were Drs. Alan Okrainec and Andrew Dueck.



# 2

## New Funded Awards

### **Dr. Robert Maggisano SSTP Scholarship**

Through a generous commitment from Dr. Maggisano, the Department of Surgery will establish the Dr. Robert Maggisano SSTP Scholarship in the Division of Vascular Surgery, at the University of Toronto. This endowed scholarship will be awarded to a vascular surgery resident enrolled in the Surgeon Scientist Training Program. On behalf of the Division of Vascular Surgery, we would like to extend our sincere thanks to Dr. Maggisano for making this generous pledge in support of vascular surgery, surgical science and our phenomenal trainees at U of T. The Dr. Robert Maggisano SSTP Scholarship will be awarded annually and in perpetuity, and will ensure the continued support of our SSTP residents, tomorrow's leaders in academic vascular surgery.

### **Angelo & Christina Marzilli Scholarship**

Through a generous pledge by Decor-Rest Furniture Ltd., the Department of Surgery will establish the Angelo and Christina Marzilli Scholarship in the Division of Vascular Surgery, at the University of Toronto. The Angelo and Christina Marzilli Scholarship will be awarded to a vascular surgery resident enrolled in the Surgeon Scientist Training Program over the next five years. On behalf of the Division of Vascular Surgery, we would like to extend our sincere thanks to Decor-Rest and the Marzilli family for making this generous pledge in support of vascular surgery, surgical science and our outstanding trainees at U of T. The Angelo and Christina Marzilli Scholarship will be awarded annually and will ensure the continued support of our SSTP residents, tomorrow's leaders in academic vascular surgery.

We are honored to include Dr. Maggisano, and Decor-Rest and the Marzilli family among the donors that support this important program and the work being led in vascular surgery across Toronto.

# 3

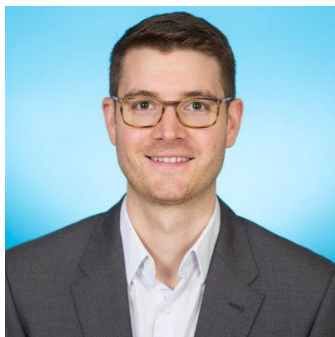
## Blair Foundation Vascular Surgery Innovation Fund Awards

Since 2016 the Blair Foundation Vascular Surgery Innovation Fund has supported investigator sponsored research in vascular disease. During the last three competitions many excellent applications were received and 7 projects were funded. This year's successful applicants are:

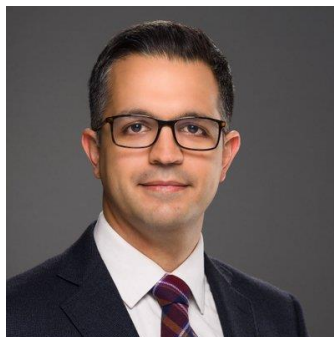
Dr. Charles de Mestral (Division of Vascular Surgery, St. Michael's Hospital) "Contemporary management and long term clinical course of claudicants in Ontario"

Dr. Ahmed Kayssi (Division of Vascular Surgery, Sunnybrook Health Sciences Centre) "Online Cognitive Behavioral Therapy Intervention to Improve Post-Operative Outcomes Following Major Amputation"

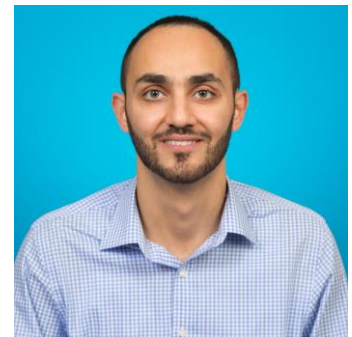
Dr. Mohammed Qadura (Division of Vascular Surgery, St. Michael's Hospital) "Fatty Acid Binding Protein 3 (FABP3) – A Novel Diagnostic Marker for Peripheral Artery Disease and Critical Limb Ischemia"



Dr. Charles de Mestral



Dr. Ahmed Kayssi



Dr. Mohammad Qadura

## 3

**New U of T Vascular Surgery Residents**

We were thrilled to welcome three outstanding residents to our Vascular Surgery Training Program. Let's learn more about them in their own words:



**Dr. Asha Behdinan**

I was born in Victoria B.C, but also spent much of my childhood in Mississauga. I completed my undergraduate degree at McMaster University in Arts & Science, with an emphasis in economics. Early on, I became very interested in the intersection of economic policy and healthcare on a global scale. I hope to further explore this area through a global surgery lens during my residency training. In my spare time I enjoy outdoor sports, reading, and baking. I am very excited to be joining the Vascular Surgery team at the University of Toronto this July!



**Dr. Shaida Deghan**

Originally from El Paso, Texas, I found myself in the city of Tehran for some time before coming to Canada in 2004. I attended York University and majored in Health Sciences with a specialization in cellular physiology. I then moved down the street and completed my MSc in basic sciences with the Nutritional Sciences department at the University of Toronto in 2011. After working in the research field for two years, I started studying medicine at the University of Toronto. My clerkship years were where I found my passion for surgery. During my first two years of residency, while attending Queen's University for General Surgery, I found my true surgical passion ... Vascular Surgery. I am thankful to have been given the opportunity to continue my residency journey at the University of Toronto's Vascular Surgery Department.

When not in scrubs, I enjoy travelling around the world, dancing at concerts, baking and spending time with my amazing family and friends.



**Dr. Angela Lee**

I was born in Toronto but raised in Montreal. I completed my undergraduate degree (Microbiology and Immunology major), medical degree and master's degree all at McGill University. Everyone in my family has pursued a different field of study, ranging from religious studies to economics. My interests lie in improving medical education and addressing gaps in surgical care in underserved and vulnerable populations. During residency, I look forward to mentoring medical students and serving as a vascular health advocate through my clinical and academic work. My hobbies are basketball, film photography and assembling figurines. I am overjoyed to be joining the University of Toronto vascular surgery family!



# 4 Major Research and Education Awards



Dr. Mark Wheatcroft  
*D.H. Gales Education  
Award for Outstanding  
Contributions to Surgical  
Skills Education*



Dr. Mohammad Qadura  
*Society for Vascular Surgery  
Research Career  
Development Travel Award*



Dr. John Byrne  
*Society for Vascular Surgery  
Research Career  
Development Travel Award*



Dr. Charles de Mestral  
*Ontario Early Career Researcher Award*

Dr. de Mestral was awarded an Ontario Early Career Researcher Award for his proposal entitled, *Regional Foot Care and Amputation Prevention Pathways For All Ontarians*. Dr. de Mestral is a Surgeon-Scientist at St. Michael's Hospital & Unity Health Toronto and an Assistant Professor of Surgery at the University of Toronto. The Early Researcher Awards program helps new researchers working at publicly funded Ontario research institutions, in a variety of academic fields, build their research teams. The program is funded by the Ontario Ministry of Economic Development, Job Creation and Trade. This award (\$190,000 over 5 years) will support research in foot care and amputation prevention for people with diabetes or peripheral artery disease in Ontario. Dr. de Mestral will be (i) characterizing the region-specific clinical and economic burden of amputation, (ii) exploring the real-world impact and cost-effectiveness of amputation prevention efforts, as well as (iii) gaining a better understanding of existing facilitators and barriers to optimal foot care across Ontario.

# 4 Visiting Professors



Dr. Omid Jaezeri  
SVS Wylie Travelling Fellow  
Denver, Colorado



Dr. Sherene Shalhub  
University of Washington  
Seattle, Washington



Professor A. Ross Naylor  
University of Leicester  
Leicester, U.K.  
*8<sup>th</sup> Annual K. Wayne Johnston Lecturer*



Dr. Matthew Corriere  
University of Michigan  
Ann Arbor, Michigan

# 6 Abstracts Presented at 2019 Vascular Annual Meeting

The 2019 Society for Vascular Surgery Vascular Annual Meeting was held in National Harbor, Maryland and U of T Vascular Surgery residents and faculty were out in force by presenting and contributing to 6 abstracts and presentations.

Stay tuned for even more when VAM returns to Toronto in June 2020!



**SS28. Compliance With Society for Vascular Surgery Clinical Practice Guidelines on the Care of Patients With an Abdominal Aortic Aneurysm and Its Impact on Outcomes**

Jens Eldrup-Jorgensen, Thomas L. Forbes, Elliott Chaikof, Dan Neal, Lawrence W. Kraiss

**PC020. Health Care Costs of Endovascular Compared With Open Thoracoabdominal Aortic Aneurysm Repair**

Rodolfo V. Rocha, Maral Ouzounian, Charles de Mestral, Thomas L. Forbes, Peter C. Austin, Douglas S. Lee, Mohammed Al-Omran, Thomas F. Lindsay

**PC030. Endovascular Aneurysm Repair Graft Explantation Should Not Be Delayed Until Symptoms or Rupture Occurs: A Canadian Multicenter Experience**

Luc Dubois, Heather Gill, Jerry Chen, Pascal Rheaume, Andrew Hill, John A. Harlock, April J. Boyd, Graham Roche-Nagle

**PC048. A Comparison of Outcomes in Incidental and Symptomatic Penetrating Aortic Ulcers**

Jason Koppert, Naomi Eisenberg, Maral Ouzounian, Jacob A. Udell, KongTeng Tan, John Byrne

**PC120. Assessing Basic Vascular Surgical Skills With Smartphone Video**

Lauren E. Gordon, Mohammad Qadura, George Oreopoulos, Elisa Greco, Mark Wheatcroft

**PC200. Preoperative Anemia Has Sex-Based Differences in Immediate Postoperative Mortality**

Sneha Raiu, Naomi Eisenberg, Janice Montbriand, Graham Roche-Nagle

## 9

## First Year Vascular Surgery Residents Welcomed to National Vascular Bootcamp

The National Vascular Surgery Bootcamp welcomes first year residents from across the country for an intensive week long immersion into the basics of vascular surgery. In 2019, 9 residents from across the country joined us, including those from UBC, University of Calgary, McMaster, Western, University of Montreal, Laval, University of Ottawa and University of Toronto.

Special thanks to our Bootcamp Director, Dr. Mark Wheatcroft, and Michelle Paiva for organizing the week.

Bootcamp would not have been possible without the leadership of our Program Director, Dr. George Oreopoulos and the contributions from our U of T Faculty (Drs. Greco & Johnston), guest faculty (Dr. Harlock) and residents (Drs. Abdelmasih, Al Suwailem, Crawford, Firdouse, Gordon, Hussain, Jacob-Brassard, McVeigh, Raju, Selim, Van Asseldonk, Zavitz).



# 11

## U of T Vascular Surgeons Contributing To the *Journal of Vascular Surgery*



University of Toronto vascular surgeons have long played important roles with the *Journal of Vascular Surgery*, including K. Wayne Johnston's term as Editor-in-Chief. Congratulations to the following U of T surgeons & researchers who are recognized in the December 2019 issue for their important contributions to the *Journal* and the peer review process.

*Editorial Board:* Thomas Lindsay

*Distinguished Reviewers:* Elisa Greco

*Reviewers:* John Byrne, Charles de Mestral, Matthew Doyle, Kathryn Howe, Ahmed Kayssi, Mohammad Qadura, Graham Roche Nagle, Mark Wheatcroft

*Associate Editor:* Thomas Forbes

# 19

## Abstracts Presented at 2019 Canadian Society for Vascular Surgery Meeting

The 41<sup>st</sup> Annual Meeting of the Canadian Society for Vascular Surgery took place in beautiful Kelowna, British Columbia.

U of T had a leading 19 podium and poster presentations and our faculty and residents took home 3 research and education awards. Congratulations to Dr. Mohammad Qadura for winning the Cook Award, Dr. Graham Roche-Nagle for winning the Gore Award and Dr. Lauren Gordon for winning the Provan Award.

We're looking forward to the 2020 meeting in on the opposite coast in St. John's, Newfoundland.



# 60!

## Publications

Did you say 60? Wow!

This represents an all-time high for the number of publications by our U of T residents, fellows, faculty and researchers.

Here is the impressive list for you to browse:

Abdelmasih M, Kayssi A, Roche-Nagle G. Penetrating paediatric neck trauma. *BMJ Case Rep.* 2019 May 14;12(5).

AlHamzah M, Eikelboom R, Hussain MA, Syed MH, Salata K, Wheatcroft M, Verma S, Al-Omran M. Knowledge gap of peripheral artery disease starts in medical school. *J Vasc Surg.* 2019 Jul;70(1):241-245.e2.

Chan AS, Montbriand J, Eisenberg N, Roche-Nagle G. Outcomes of minor amputations in patients with peripheral vascular disease over a 10-year period at a tertiary care institution. *Vascular.* 2019 Feb;27(1):8-18.

Conte MS, Bradbury AW, Kolh P, White JV, Dick F, Fitridge R, Mills JL, Ricco JB, Suresh KR, Murad MH, Aboyans V, Aksoy M, Alexandrescu VA, Armstrong D, Azuma N, Belch J, Bergoeing M, Bjorck M, Chakfé N, Cheng S, Dawson J, Debus ES, Dueck A, Duval S, Eckstein HH, Ferraresi R, Gambhir R, Garguilo M, Geraghty P, Goode S, Gray B, Guo W, Gupta PC, Hinchliffe R, Jetty P, Komori K, Lavery L, Liang W, Lookstein R, Menard M, Misra S, Miyata T, Moneta G, Munoa Prado JA, Munoz A, Paolini JE, Patel M, Pomposelli F, Powell R, Robless P, Rogers L, Schanzer A, Schneider P, Taylor S, De Ceniga MV, Veller M, Vermassen F, Wang J, Wang S; GVG Writing Group for the Joint Guidelines of the Society for Vascular Surgery (SVS), European Society for Vascular Surgery (ESVS), and World Federation of Vascular Societies (WFVS). Global Vascular Guidelines on the Management of Chronic Limb-Threatening Ischemia. *Eur J Vasc Endovasc Surg.* 2019 Jul;58(1S):S1-S109.

Crawford SA, Osman E, Doyle MG, Lindsay TF, Amon CH, Forbes TL. Impact of fenestrated stent graft misalignment on patient outcomes. *J Vasc Surg.* 2019 Oct;70(4):1056-1064.

Crawford SA, Doyle MG, Amon CH, Forbes TL. Impact of Insertion Technique and Iliac Artery Anatomy on Fenestrated Endovascular Aneurysm Repair. *J Endovasc Ther.* 2019 Dec;26(6):797-804.

de Mestral C, Hsu AT, Talarico R, Lee DS, Hussain MA, Salata K, Al-Omran M, Tanuseputro P. End-of-life care following leg amputation in patients with peripheral artery disease or diabetes. *Br J Surg.* Epub 2019 Oct 14.

de Mestral C, Kayssi A, Al-Omran M, Salata K, Hussain MA, Roche-Nagle G. Home care nursing after elective vascular surgery: an opportunity to reduce emergency department visits and hospital readmission. *BMJ Qual Saf.* 2019 Nov;28(11):901-907.

de Mestral C, Salata K, Hussain MA, Kayssi A, Al-Omran M, Roche-Nagle G. Evaluating Quality Metrics and Cost After Discharge: A Population-based Cohort Study of Value in Health Care Following Elective Major Vascular Surgery. *Ann Surg.* 2019 Aug;270(2):378-383.

de Mik SML, Stubenrouch FE, Legemate DA, Balm R, Ubbink DT; DISCOVAR Study Group. Delphi Study to Reach International Consensus Among Vascular Surgeons on Major Arterial Vascular Surgical Complications. *World J Surg.* 2019 Sep;43(9):2328-2336.

Doshi S, Eisenberg N, Bailey S, Annamalai G, Roche-Nagle G. Adherence to recommended imaging surveillance of acutely presenting Stanford type-B aortic dissections. *Vascular.* 2019 Oct;27(5):524-534.

Doyle MG, Crawford SA, Osman E, Hatch J, Tse LW, Amon CH, Forbes TL. Comparison of Qualitative and Quantitative Assessments of Iliac Artery Tortuosity and Calcification. *Vasc Endovascular Surg.* 2019 Aug;53(6):464-469.

# 60!

## Publications ... continued

Forbes TL. In Low-Value Care, Less Is (Not Always) More. *JAMA Intern Med.* 2019 Aug 1;179(8):1147.

Gordon L, Grantcharov T, Rudzicz F. Explainable Artificial Intelligence for Safe Intraoperative Decision Support. *JAMA Surg.* 2019 Sep 11. [Epub ahead of print]

Gordon L, Austin P, Rudzicz F, Grantcharov T. MySurgeryRisk and Machine Learning: A Promising Start to Real-time Clinical Decision Support. *Ann Surg.* 2019 Jan;269(1):e14-e15.

Gordon LE, Bohnen JD, Grantcharov TP. Valuations of Surgical Procedures in the Medicare Fee Schedule. *N Engl J Med.* 2019 Jul 25;381(4):389-390.

Gurupatham S, Qadura M, Andrinopoulos T, Naji F, Szalay D. Single Institution Experience with Hybrid Endovascular and Surgical Repairs Involving the Distal Aortic Arch. *Ann Vasc Surg.* Epub 2019 Jun 11.

Hennessey H, Luckham E, Kayssi A, Wheatcroft MD, Greco E, Al-Omran M, Harlock J, Qadura M. Optimization of rifampin coating on covered Dacron endovascular stent grafts for infected aortic aneurysms. *J Vasc Surg.* 2019 Jan;69(1):242-248.

Hess DA, Terenzi DC, Trac JZ, Quan A, Mason T, Al-Omran M, Bhatt DL, Dhingra N, Rotstein OD, Leiter LA, Zinman B, Sabongui S, Yan AT, Teoh H, Mazer CD, Connelly KA, Verma S. SGLT2 Inhibition with Empagliflozin Increases Circulating Provascular Progenitor Cells in People with Type 2 Diabetes Mellitus. *Cell Metab.* 2019 Oct 1;30(4):609-613.

Hinojosa CA, Anaya-Ayala JE, Armstrong DG, Kayssi A, Mills JL Sr. The importance of establishing a framework for regional and international collaboration in the management of the diabetic foot. *J Vasc Surg.* 2019 Jul;70(1):335-336.

Hussain MA, Al-Omran M, Salata K, Sivaswamy A, Forbes TL, Sattar N, Aljabri B, Kayssi A, Verma S, de Mestral C. Population-based secular trends in lower-extremity amputation for diabetes and peripheral artery disease. *CMAJ.* 2019 Sep 3;191(35):E955-E961.

Hussain MA, Wheatcroft M, Nault P, Lindsay TF, Bhatt DL, Anand SS, Verma S, Al-Omran M. COMPASS for Vascular Surgeons: Practical Considerations. *Curr Opin Cardiol.* 2019 Mar;34(2):178-184.

Hussain MA, Al-Omran M, Salata K, Sivaswamy A, Verma S, Forbes TL, Kayssi A, de Mestral C. A call for integrated foot care and amputation prevention pathways for patients with diabetes and peripheral arterial disease across Canada. *Can J Public Health.* 2019 Apr;110(2):253-255.

Jaberi A, Tao MJ, Eisenberg N, Tan K, Roche-Nagle G. IVC filter removal after extended implantation periods. *Surgeon.* 2019 Nov 25. [Epub ahead of print]

Jacob-Brassard J, Salata K, Kayssi A, Hussain MA, Forbes TL, Al-Omran M, de Mestral C. A systematic review of nonoperative management in blunt thoracic aortic injury. *J Vasc Surg.* 2019 Nov;70(5):1675-1681.

Johansson E, Benhabib H, Herod W, Hopyan J, Machnowska M, Maggisano R, Aviv R, Fox AJ. Carotid near-occlusion can be identified with ultrasound by low flow velocity distal to the stenosis. *Acta Radiol.* 2019 Mar;60(3):396-404.

Kayssi A, Al-Jundi W, Papia G, Kucey DS, Forbes T, Rajan DK, Neville R, Dueck AD. Drug-eluting balloon angioplasty versus uncoated balloon angioplasty for the treatment of in-stent restenosis of the femoropopliteal arteries. *Cochrane Database Syst Rev.* 2019 Jan 26;1:CD012510.

Khan S, Li B, Salata K, Aljabri BA, Hussain MA, Khan M, de Mestral C, Verma S, Al-Omran M. The Current Status of Lithoplasty in Vascular Calcifications: A Systematic Review. *Surg Innov.* 2019 Oct;26(5):588-598.

Kim D, Bhola C, Eisenberg N, Montbriand J, Oreopoulos G, Lok CE, Roche-Nagle G. Long-term results of thigh arteriovenous dialysis grafts. *J Vasc Access.* 2019 Mar;20(2):153-160.

Kopp R, Katada Y, Kondo S, Sonesson B, Hongo N, Tse L, Tsilimparis N, Crawford S, Panneton JM, Kölbel T, Xiong J, Guo W, Kasprzak PM; members of the AARCHIF registry. Multicenter Analysis of Endovascular Aortic Arch In Situ Stent-Graft Fenestrations for Aortic Arch Pathologies. *Ann Vasc Surg.* 2019



# 60!

## Publications ... continued

Levy J, Gupta V, Amirazodi E, Allen-Ayodabo C, Jivraj N, Jeong Y, Davis LE, Mahar AL, De Mestral C, Saarela O, Coburn N; PRESTO Group. Gastrectomy case volume and textbook outcome: an analysis of the Population Registry of Esophageal and Stomach Tumours of Ontario (PRESTO). *Gastric Cancer*. 2019 Nov 4. [Epub ahead of print]

Li B, Khan S, Salata K, Hussain MA, de Mestral C, Greco E, Aljabri BA, Forbes TL, Verma S, Al-Omran M. A systematic review and meta-analysis of the long-term outcomes of endovascular versus open repair of abdominal aortic aneurysm. *J Vasc Surg*. 2019 Sep;70(3):954-969.e30.

Li B, Montbriand J, Eisenberg N, Roche-Nagle G, Tan KT, Byrne J. Pre-operative Aneurysm Thrombus Volume, But Not Density, Predicts Type 2 Endoleak Rate Following Endovascular Aneurysm Repair. *Ann Vasc Surg*. 2019 May;57:98-108.

Li B, Tan KT, MacDonald ME, Byrne J. Aortic graft infection with enteric organism after embolization of late type II endoleak. *J Vasc Surg Cases Innov Tech*. 2019 Mar 11;5(1):61-64.

Li B, Salata K, de Mestral C, Hussain MA, Aljabri BA, Lindsay TF, Verma S, Al-Omran M. Perceptions of Canadian Vascular Surgeons Toward Pharmacologic Risk Reduction in Patients with Peripheral Artery Disease: 2018 Update. *Ann Vasc Surg*. 2019 Jul;58:166-173.

Liao E, Eisenberg N, Kaushal A, Montbriand J, Tan KT, Roche-Nagle G. Utility of the Vascular Quality Initiative in improving quality of care in Canadian patients undergoing vascular surgery. *Can J Surg*. 2019 Feb 1;62(1):66-69.

Lin WCP, Doyle MG, Roche SL, Honjo O, Forbes TL, Amon CH. Computational fluid dynamic simulations of a cavopulmonary assist device for failing Fontan circulation. *J Thorac Cardiovasc Surg*. 2019 Nov;158(5):1424-1433.

Mafeld S, Annamalai G, Lindsay TF, Zhong I, Tarulli E, Mironov O, Tan KT. Initial Experience With Viabahn VBX as the Bridging Stent Graft for Branched and Fenestrated Endovascular Aneurysm Repair. *Vasc Endovascular Surg*. 2019 Jul;53(5):395-400.

Mironov O, Zener R, Eisenberg N, Tan KT, Roche-Nagle G. Real-Time Quantitative Measurements of Foot Perfusion in Patients With Critical Limb Ischemia. *Vasc Endovascular Surg*. 2019 May;53(4):310-315.

O'Donnell TFX, Verhagen HJ, Pratesi G, Pratesi C, Teijink JAW, Vermassen FEG, Mwipatayi P, Forbes TL, Schermerhorn ML. Female sex is associated with comparable 5-year outcomes after contemporary endovascular aneurysm repair despite more challenging anatomy. *J Vasc Surg*. 2019 Aug 30. [Epub ahead of print]

Oreopoulos GD. The Erskine House Tree: closing the loop on my medical roots. *CMAJ*. 2019 Feb 25;191(8):E235-E237.

Papadopoulos A, Devries S, Montbriand J, Eisenberg N, de Mestral C, Roche-Nagle G. Unplanned early hospital readmissions in a vascular surgery population. *Can J Surg*. 2019 Dec 1;62(6):412-417.

Rajabi-Estarabadi A, Kayssi A, Alavi A, Kirsner RS. Vascular Tests for Dermatologists. *Am J Clin Dermatol*. 2019 Oct;20(5):657-667.

Raju S, Eisenberg N, Montbriand J, Cusimano RJ, Feindel C, Ouzounian M, Horlick E, Osten M, Tsang W, Roche-Nagle G. Vascular Complications and Procedures Following Transcatheter Aortic Valve Implantation. *Eur J Vasc Endovasc Surg*. 2019 Sep;58(3):437-444.

Rocha RV, Lindsay TF, Austin PC, Al-Omran M, Forbes TL, Lee DS, Ouzounian M. Outcomes after endovascular versus open thoracoabdominal aortic aneurysm repair: A population-based study. *J Thorac Cardiovasc Surg*. 2019 Nov 25. [Epub ahead of print]

Rocha RV, Lindsay TF, Friedrich JO, Shan S, Sinha S, Yanagawa B, Al-Omran M, Forbes TL, Ouzounian M. Systematic review of contemporary outcomes of endovascular and open thoracoabdominal aortic aneurysm repair. *J Vasc Surg*. 2019 Nov 2. [Epub ahead of print]

# 60!

## Publications ... continued

Rocha RV, Al-Omran M, Hussain MA, Lee DS, Forbes TL, Lindsay TF, Ouzounian M. Validation of endovascular and open thoracoabdominal aortic aneurysm repair in Ontario health administrative databases. *Clin Invest Med*. 2019 Jun 23;42(2):E19-25.

Salata K, Hussain MA, de Mestral C, Greco E, Aljabri BA, Mamdani M, Forbes TL, Bhatt DL, Verma S, Al-Omran M. Comparison of Outcomes in Elective Endovascular Aortic Repair vs Open Surgical Repair of Abdominal Aortic Aneurysms. *JAMA Netw Open*. 2019 Jul 3;2(7):e196578.

Salata K, Hussain MA, Mestral C, Greco E, Mamdani M, Tu JV, Forbes TL, Bhatt DL, Verma S, Al-Omran M. The impact of randomized trial results on abdominal aortic aneurysm repair rates from 2003 to 2016: A population-based time-series analysis. *Vascular*. 2019 Aug;27(4):417-426.

Salata K, Hussain MA, de Mestral C, Greco E, Aljabri BA, Sabongui S, Mamdani M, Forbes TL, Bhatt DL, Verma S, Al-Omran M. Trends in elective and ruptured abdominal aortic aneurysm repair by practice setting in Ontario, Canada, from 2003 to 2016: a population-based time-series analysis. *CMAJ Open*. 2019 May 30;7(2):E379-E384.

Schindler A, Schinner R, Altaf N, Hosseini AA, Simpson RJ, Esposito-Bauer L, Singh N, Kwee RM, Kurosaki Y, Yamagata S, Yoshida K, Miyamoto S, Maggisano R, Moody AR, Poppert H, Kooi ME, Auer DP, Bonati LH, Saam T. Prediction of Stroke Risk by Detection of Hemorrhage in Carotid Plaques: Meta-Analysis of Individual Patient Data. *JACC Cardiovasc Imaging*. 2019 Jun 8.  
[Epub ahead of print]

Sharafuddin MJ, Reece TB, Papia G, Pozeg ZI, Peterson BG, Shafi B, Man J, Milner R. Proposed classification of endoleaks after endovascular treatment of Stanford type-B aortic dissections. *Vascular*. 2019 Dec;27(6):585-594.

Shikata EA, Besla R, Ensan S, Upadhye A, Khyzha N, Li A, Emoto T, Chiu F, Degousee N, Moreau JM, Perry HM, Thayaparan D, Cheng HS, Pacheco S, Smyth D, Noyan H, Zavitz CCJ, Bauer CMT, Hilgendorf I, Libby P, Swirski FK, Gommerman JL, Fish JE, Stampfli MR, Cybulsky MI, Rubin BB, Paige CJ, Bender TP, McNamara CA, Husain M, Robbins CS. c-Myb Exacerbates Atherosclerosis through Regulation of Protective IgM-Producing Antibody-Secreting Cells. *Cell Rep*. 2019 May 21;27(8):2304-2312.

Stella SF, Lindsay TF, Tan KT. Toronto PowerWire fenestration technique to access false lumen branches in fenestrated endovascular aneurysm repair for chronic type B dissection. *J Vasc Surg*. 2019 Jan;69(1):249-252.

Styra R, Larsen E, Dimas MA, Baston D, Elgie-Watson J, Flockhart L, Lindsay TF. The effect of preoperative cognitive impairment and type of vascular surgery procedure on postoperative delirium with associated cost implications. *J Vasc Surg*. 2019 Jan;69(1):201-209.

Tai E, Jaber A, Oreopoulos GD, Forbes TL, Tan KT, Mafeld S. Diagnosis and management of right external iliac vein "sandwich": A rare cause of iliofemoral deep venous thrombosis. *J Vasc Surg Cases Innov Tech*. 2019 Jun 29;5(3):314-318.

Terenzi DC, Trac JZ, Teoh H, Gerstein HC, Bhatt DL, Al-Omran M, Verma S, Hess DA. Vascular Regenerative Cell Exhaustion in Diabetes: Translational Opportunities to Mitigate Cardiometabolic Risk. *Trends Mol Med*. 2019 Jul;25(7):640-655.

Verma S, Mazer CD, Yan AT, Mason T, Garg V, Teoh H, Zuo F, Quan A, Farkouh ME, Fitchett DH, Goodman SG, Goldenberg RM, Al-Omran M, Gilbert RE, Bhatt DL, Leiter LA, Jüni P, Zinman B, Connelly KA. Effect of Empagliflozin on Left Ventricular Mass in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease: The EMPA-HEART CardioLink-6 Randomized Clinical Trial. *Circulation*. 2019 Nov 19;140(21):1693-1702.

Wong SSN, Cleverly S, Tan KT, Roche-Nagle G. Impact and Culture Change After the Implementation of a Preprocedural Checklist in an Interventional Radiology Department. *J Patient Saf*. 2019 Dec;15(4):e24-e27.

Woodford C, Tai E, Mafeld S, Al-Mubarak HA, Jaber A, Oreopoulos GD. Vascular Reconstruction of a Brachial Artery Aneurysm Proximally to an Arteriovenous Malformation. *Vasc Endovascular Surg*. Epub 2019 Sep 10.  
Aug;59:36-47.

# 2020

Stay Tuned ... More to Come

2020

VASCULAR  
ANNUAL MEETING<sup>®</sup>

TORONTO

---

## We welcome your support

*K. Wayne Johnston Lecture in Vascular Surgery* – This is held annually at our Research Day and gives our faculty and residents the opportunity to learn from a world leader in our specialty.

*Division of Vascular Surgery Chair's Fund* – This fund allows for continued support of our residency and fellowship programs, research support and continuing medical education and professional development.

Donations can be made online at [donate.utoronto.ca/surgery](https://donate.utoronto.ca/surgery) or by cheque to:

The Office of Advancement  
c/o Effy Ordon  
6 Queen's Park Crescent West  
Toronto, ON M5S 3H2

## Contribute to our Newsletter

Story ideas, articles, photos or comments are welcome for upcoming issues, please send them to [vascular.admin@utoronto.ca](mailto:vascular.admin@utoronto.ca) or [thomas.forbes@uhn.ca](mailto:thomas.forbes@uhn.ca)

Moving, or do you know someone else who would like to receive this newsletter? Please let us know.

## Upcoming Events & Meetings

- Jan 16, 2020 U of T Vascular Surgery City-Wide Rounds, University Club of Toronto  
Visiting Professor – Dr. April Boyd, University of Manitoba
- Mar 10, 2020 U of T Vascular Surgery City-Wide Rounds, University Club of Toronto  
Visiting Professor – Dr. Cynthia Shortell, Duke University
- Mar 31, 2020 Abstract Submission Deadline for Research Day
- Apr 30, 2020 U of T Vascular Surgery Graduation & Research Day Dinner
- May 1, 2020 U of T Vascular Surgery Research Day  
*9<sup>th</sup> Annual K. Wayne Johnston Lecturer – Dr. Gilbert Upchurch*
- May 8, 2020 U of T Department of Surgery Gallie Day
- June 17, 2020 Reception – U of T Welcomes SVS to Toronto!
- June 17 2020 SVS Vascular Annual Meeting (VAM)  
Toronto, ON

**Administrative Office:**

149 College St, 5<sup>th</sup> floor

Toronto, ON, M5T1P5

**PHONE:**

(416) 978-7423

**FAX:**

(416) 978-3928

**E-MAIL:**

[vascular.admin@utoronto.ca](mailto:vascular.admin@utoronto.ca)



We're on the Web!

See us at:

<http://vascularsurgery.utoronto.ca/>

Twitter & Instagram!

@UofTVascular

