Surgery eNEWS

Timely news you can use

Spring 2023 Volume 1 Issue 3 (March to May 2023)

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Table of Contents

SECTIONS	DIVISIONAL NEWS
ACADEMIC AFFAIRS	CARDIAC SURGERY
RESEARCH NEWS	GENERAL SURGERY
SURGICAL EDUCATION	O RTHOPEDIC S URGERY
FACULTY DEVELOPMENT	PLASTIC, RECONSTRUCTIVE & Aesthetic Surgery
WOMEN IN SURGERY	THORACIC SURGERY
	UROLOGY
	VASCULAR SURGERY

ACADEMIC AFFAIRS

Congratulations to **Dr. Mirko Gilardino** (Plastic, Reconstructive & Aesthetic Surgery) and **Dr. Marylise Boutros** (General Surgery) on their promotion to Full Professor as of May 1, 2023.

(ongrats,

PROMOTIONS

Spring 2O23 session:



Dr. Marylise Boutros Full Professor (Clinical) *General Surgery*



Dr. Mirko Gilardino Full Professor (Clinical) Plastic, Reconstructive & Aesthetic Surgery

RESEARCH NEWS



The 6th Annual McGill Clinical Innovation Competition and Awards Ceremony took place on May 11, 2023



Winner of the Hakim Family Innovation Prize:

PL Signals

Congratulations to the *PL Signals* team led by Anie Philip, PhD (Plastic, Aesthetic and Reconstructive Surgery), of the Injury Repair Recovery (IRR) Program at the RI-MUHC. This innovative team developed a novel anti-fibrotic biologic that traps TGF-beta with high specificity and efficiently reduces lung fibrosis in both preclinical and *in vitro* models using patients' fibrotic cells.

(Image: PL Signals team - Owen Egan/Joni Dufour)



To watch the video recording of the event, click here. Congratulations to all of our winners and finalists!
www.mcgill.ca/medhealthsci/about/faculty-awards-prizes/clic/2O23-winners-finalists

SURGICAL EDUCATION

Division of Surgical Education



As recommended in the recent strategic planning exercise, The Department aims to create interdisciplinary networks aligned with our research mission pillars, including Surgical Education. To this aim, we are exploring creating a **Division of Surgical Education** to enhance research and training. The Surgical Education website is being redesigned to improve functionality to better meet our needs. Finally, Surgical Grand Rounds will continue to offer thought-provoking topics by outstanding speakers and virtual attendance has been a great success! Keep

on the lookout for upcoming Grand Rounds at www.mcgill.ca/surgery/events.

Please send your suggestions to: surgeryeducation@mcgill.ca

FACULTY DEVELOPMENT

James and Dana Wessel Endowment -

Leadership Program for Surgeons & Dr. E Archibald Fellowship in Surgery



We received a generous gift from the granddaughters of **Dr. Edward W. Archibald** - the first Chair of the Department. The Wessel family has graciously offered the Department a donation of \$150,000. This

includes \$100,000 to support the Surgical Leadership Development Program for the next 3 years and \$50,000 in research funding to support a graduate student for a new recruit, to be called the Archibald Fellowship Grant.

Future Projects: Optimizing Teaching in the Operating Room

The Faculty Development team is creating a new program focused on teaching in the OR. These workshops will use simulation and real-world scenarios to provide a hands-on approach with tips and tricks for common issues from establishing individualized goals and objectives to providing feedback and managing expectations. Stay tuned for more information in the fall. Department of Surgery Leadership Program



The **Surgical Leadership Program** will be offered again in 2O23. The courses will run from September to December. Last year's inaugural program was very well received. By the end of the program, participants were visibly using the knowledge, skill sets, and behaviors they had learned throughout the course.

For this year's course we are targeting early career faculty members. In addition to developing new skills, this will help create collaborations and community. To apply, simply submit a letter of intent and a letter of support from your Division Director. www.mcgill.ca/surgery/facultydevelopment/leadership-surgery/leadershipprogram-form

For more information on the Leadership in Surgery program please visit www.mcgill.ca/surgery/faculty-development/leadership-surgery.

WOMEN IN SURGERY

No updates - see you in the next issue.



CARDIAC SURGERY

No updates - see you in the next issue.

GENERAL SURGERY

ACHIEVEMENTS



Simon Bergman Reappointed Assistant Dean, Accreditation, Undergraduate Medical Education, FMHS

We are pleased to announce the reappointment of **Dr. Simon Bergman**, MDCM as Assistant Dean, Accreditation, Undergraduate Medical Education (UGME), Faculty of Medicine and Health Sciences (FMHS), McGill University, effective May I, 2023. Dr. Bergman will continue to oversee the MDCM accreditation process to ensure ongoing compliance with accreditation standards and advise stakeholders on recommended actions for all elements not in full compliance. Dr. Bergman will also work in close collaboration with the Office of Accreditation and Education Quality Improvement at the FMHS.

Read more

Dr. Liane Feldman has a new leadership role as Co-chair, Surgical Data Science Task Force, SAGES.

New implementation contract (2023-25): **Development of the audit** and feedback database to support provincial-wide adoption of

Enhanced Recovery After Surgery pathways. Director General for Academic, Medical, Nursing and Pharmacy Affairs, Ministry of Health and Social Services, Quebec. \$1 107 000

Invited talks:

- Mentorship and leadership in Surgery. 6th Annual Richard B Wait Leadership Lecture, Surgical Grand Rounds, Baystate, University of Massachusetts, May 25, 2023
- Preoperative patient selection and optimization. The Americas Hepato-Biliary-Pancreatic Association (AHPBA), State of the Art Lecture, Miami, March II, 2023



• Fit for Surgery: Prehabilitation and Enhanced Recovery Programs. Eric Lazaro Endowed Lecture Surgical Grand Rounds, Rutgers New Jersey Medical School, March 1, 2023.

Publications

Selected Publications - March to May 2023

- Garfinkle R, Demian M, Sabboobeh S, Moon J, Hulme-Moir M, Liberman AS, Feinberg S, Hayden DM, Chadi SA, Demyttenaere S, Samuel L, Hotakorzian N, Quintin L, Morin N, Faria J, Ghitulescu G, Vasilevsky CA, Boutros M; Bowel Stimulation Research Collaborative. Bowel stimulation before loop ileostomy closure to reduce postoperative ileus: a multicenter, single-blinded, randomized controlled trial. Surg Endosc. 2023 May;37(5):3934-3943
- Denkert C, Lambertini C, Fasching PA, Pogue-Geile KL, Mano MS, Untch M, Wolmark N, Huang CS, Loibl S, Mamounas EP, Geyer CE, Lucas PC, Boulet T, Song C, Lewis GD, Nowicka M, de Haas S, Basik M. Biomarker Data from the Phase III KATHERINE Study of Adjuvant T-DMI versus Trastuzumab for Residual Invasive Disease after Neoadjuvant Therapy for HER2-Positive Breast Cancer. Clin Cancer Res. 2023 Apr 14;29(8):1569– 1581
- Barkun J, Clavien P, Pawlik TM. The Benefits of Benchmarking-A New Perspective on Measuring Quality in Surgery. JAMA Surg. 2023 Apr 1;158(4):341-342
- Faleh S, **Prakash I**, Eisenberg E, **Basik M**, **Boileau JF**, Tejera D, Panet F, Buhlaiga N, **Meterissian S**, **Wong SM**. Predictors of nodal metastases in early stage HER2+ breast cancer: Deciding on treatment approach with neoadjuvant chemotherapy vs. upfront surgery. Eur J Surg Oncol. 2023 Mar 31:SO748-7983(23)OO423-7
- Moldoveanu D, Iny E, Theriault C, Florea A, Wong SM, Basik M, Boileau JF, Margolese R, Pelmus M, Meterissian S, Prakash I. Margin Status and Local Recurrence in Phyllodes Tumours of the Breast: A Canadian Series. Ann Surg Oncol. 2023 Mar;30(3):1700-1709.
- Khwaja K, Deban M, Iqbal S, Alowais J, Al Bader B, Deckelbaum D, Razek T. The McGill Simulation Complexity Score (MSCS): a novel complexity scoring system for simulations in trauma. Can J Surg. 2023 Apr 21;66(2):E206-E211
- Farag N, Germain A, Caminsky NG, Busque AA, Grenier T, Bracco D, Grushka J, Razek T, Deckelbaum D, Fata P, Khwaja K, McKendy K, Jastaniah A, Wong EG. Factors associated with bicycle helmet use and proper fit: a cross-sectional survey of Montreal cyclists during the COVID-19 pandemic. Can J Public Health. 2023 Apr;114(2):195-206
- Robitaille S, Wang A, Liberman AS, Charlebois P, Stein B, Fiore JF Jr, Feldman LS, Lee L. A retrospective analysis of early discharge following minimally invasive colectomy in an enhanced recovery pathway. Surg Endosc. 2023 Apr;37(4):2756-2764
- Hanson MN, Pryor AD, Jeyarajah DR, Minter RM, Mattar SG, Scott DJ, Brunt LM, Cummings M, Vassiliou M, Feldman LS; FC EPA Pilot Working Group. Implementation of entrustable professional activities into fellowship council accredited programs: a pilot project. Surg Endosc. 2023 Apr;37(4):3191-3200
- Robitaille S, Wang A, Liberman S, Charlebois P, Stein B, Fiore JF Jr, Feldman LS, Lee L. Predictors of pre- and post-treatment bowel dysfunction severity in patients with rectal cancer. Surgery. 2023 Mar;173(3):681-686
- Balvardi S, Semsar-Kazerooni K, Kaneva P, Mueller C, Vassiliou M, Al Mahroos M, Fiore JF Jr, Schwartzman K, Feldman LS. Validity of video-based general and procedure-specific self-assessment tools for surgical trainees in laparoscopic cholecystectomy. Surg Endosc. 2023 Mar;37(3):2281-2289
- Do U, Pook M, Najafi T, Rajabiyazdi F, El-Kefraoui C, Balvardi S, Barone N, Elhaj H, Nguyen-Powanda P, Lee L, Baldini G, Feldman LS, Fiore JF; McGill Better Opioid Prescribing (MBOP) Collaboration. Opioid-free analgesia

after outpatient general surgery: A qualitative study focused on the perspectives of patients and clinicians involved in a pilot trial. Surg Endosc. 2023 Mar;37(3):2269-2280.

- Tokuno J, Fried GM. Digital Education in General Thoracic Surgery: A Narrative Review. Ann Thorac Surg. 2023 Mar;115(3):787-794
- Morena N, Zelt N, Nguyen D, Dionne E, Rentschler CA, Greyson D, Meguerditchian AN. The Use of Web-Based Patient Reviews to Assess Medical Oncologists' Competency: Mixed Methods Sequential Explanatory Study. JMIR Form Res. 2023 May 4;7:e39857
- David S, Tran T, Dallaire F, Sheehy G, Azzi F, Trudel D, **Tremblay F**, Omeroglu A, Leblond F, **Meterissian S**. In situ Raman spectroscopy and machine learning unveil biomolecular alterations in invasive breast cancer. J Biomed Opt. 2023 Mar;28(3):036009.
- Di Lena É, Antoun A, Hopkins B, Barone N, Do U, Meterissian S. Sentinel lymph node biopsy in women over 70: Evaluation of rates of axillary staging and impact on adjuvant therapy in elderly women. Surgery. 2023 Mar;173(3):603-611
- Iny E, **Prakash I**. ASO Author Reflections: Surgical Management of Phyllodes Tumors of the Breast. Ann Surg Oncol. 2023 Mar;30(3):1710-1711.
- Wong SM, Foulkes WD. Moving breast cancer susceptibility gene testing into the mainstream. Med J Aust. 2023 May 1;218(8):359-360.

ORTHOPEDIC SURGERY

EVENTS

McGill University 42nd Annual Orthopaedic Surgery Visiting Professor



The McGill University **42nd Annual Orthopaedic Surgery Visiting Professor** event took place on May 4th and 5th 2O23, and we were pleased to host **Dr**. **Willem-Jan Metsemakers, MD, PhD** as our Visiting Professor. Dr. Metsemakers is Chair in the Department of Trauma Surgery, University Hospitals Leuven, Belgium and Associate Professor Faculty of Medicine, KU Leuven, Belgium.

From left to right: Dr. Gregory Berry, Femke Goormans, Dr. Willem-Jan Metsemakers, and Dr. Mitchell Bernstein

Congratulations to all our award recipients:

- Fellow Teacher of the Year Award Saud Alfayez, (Sports Medicine & Arthroscopy Fellow)
- Pierre Dupuis Award for Outstanding Resident Teacher Salim Al Rawahi (PGY 4)
- Julie Laurin Compassion Award Patrick Park (PGY 2)
- Robert Turcotte Altruistic Patient Care Award Dr. Robert Turcotte

PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY

No updates - see you in the next issue.

THORACIC SURGERY

ACHIEVEMENTS



Dr. Lorenzo Ferri has been awarded the Canadian Cancer Society/CIHR Breakthrough Grant – Overcoming Therapy Resistance in Gastro-Esophageal Adenocarcinoma – a Trans-CANADA Initiative. Principal Investigators: Lorenzo Ferri and Swneke Bailey. Total amount over 5 years (2023-2028): \$7.5 Million

New Faculty Leadership Roles

Dr. Ferri has taken on the following leadership roles:

- Vice President International Society for Diseases of the Esophagus
- President-Elect International Society for Digestive Surgery



Jonathan Cools-Lartigue has been awarded the FRQS Junior 1 – Clinical Scientist Salary Award

Publications

Selected Publications - March to May 2023

- Tankel J, Mouhanna J, Katz A, Fiset PO, Rayes R, Siblini A, Lee E, Seely A, Najmeh S, Cools-Lartigue J, Sirois C, Mulder D, Ferri L, Spicer J. The 8th Edition TNM Stage Reclassification of T4 Non-Small Cell Lung Cancer: A Granular Examination of Short and Long-Term Outcomes. Clin Lung Cancer. 2023 Apr 12:S1525-7304(23)0006I-X. doi: 10.1016/j.cllc.2023.04.001. Epub ahead of print. PMID: 37258384.
- Kidane B, Gerard IJ, **Spicer** J, Kim JO, Fiset PO, Wawryko P, Cecchini MJ, Inculet R, Abdulkarim B, Fortin D, Qiabi M, Qing G, Enns S, Bashir B, Tankel J, Wakeam E, Warner A, Kopek N, Yaremko BP, Rodrigues GB, Laba JM, Qu M, Malthaner RA, Palma DA. Stereotactic Ablative radiotherapy before resection to avoid delay for early-stage lung cancer or oligometastases during the COVID-19 pandemic: Pathologic outcomes from the SABR-BRIDGE protocol. Cancer. 2023 May 23. doi: 10.1002/cncr.34880. Epub ahead of print. PMID: 37221679.
- Grou-Boileau F, Tankel J, Nevo Y, Najmeh S, Spicer J, Cools-Lartigue J, Mueller C, Ferri L. Locoregional Recurrence of Esophageal Cancer Treated with Curative Intent Local Salvage Therapy: A Single Center Experience. J Gastrointest Cancer. 2023 Mar 29. doi: 10.1007/s12029-023-00929-0. Epub ahead of print. PMID: 36988820.

- Sorin M, Rezanejad M, Karimi E, Fiset B, Desharnais L, Perus LJM, Milette S, Yu MW, Maritan SM, Doré S, Pichette É, Enlow W, Gagné A, Wei Y, Orain M, Manem VSK, Rayes R, Siegel PM, Camilleri-Broët S, Fiset PO, Desmeules P, Spicer JD, Quail DF, Joubert P, Walsh LA. Single-cell spatial landscapes of the lung tumour immune microenvironment. Nature. 2023 Feb;614(7948):548-554. doi: 10.1038/s41586-022-05672-3. Epub 2023 Feb I. PMID: 36725934; PMCID: PMC9931585.
- Lee SH, Contreras Panta EW, Gibbs D, Won Y, Min J, Zhang C, Roland JT, Hong SH, Sohn Y, Krystofiak E, Jang B, Ferri L, Sangwan V, Ragoussis J, Camilleri-Broët S, Caruso J, Chen-Tanyolac C, Strasser M, Gascard P, Tlsty TD, Huang S, Choi E, Goldenring JR. Apposition of Fibroblasts With Metaplastic Gastric Cells Promotes Dysplastic Transition. Gastroenterology. 2023 Aug;165(2):374-390. doi: 10.1053/j.gastro.2023.04.038. Epub 2023 May 15. PMID: 37196797.
- Kammili A, Morency D, Cools-Lartigue J, Ferri LE, Mueller CL. Remoteness from urban centre does not affect gastric cancer outcomes with established care pathway to specialist centre. Can J Surg. 2023 May 2;66(3):E2I9-E227. doi: 10.1503/cjs.0I9420. Erratum in: Can J Surg. 2023 May 1I;66(3):E289. PMID: 37130708; PMCID: PMCI0I58749.
- Bons J, Pan D, Shah S, Bai R, Chen-Tanyolac C, Wang X, Elliott DRF, Urisman A, O'Broin A, Basisty N, Rose J, Sangwan V, Camilleri-Broët S, Tankel J, Gascard P, Ferri L, Tlsty TD, Schilling B. Data-independent acquisition and quantification of extracellular matrix from human lung in chronic inflammation-associated carcinomas. Proteomics. 2023 Apr;23(7-8):e2200021. doi: 10.1002/pmic.202200021. Epub 2022 Oct 13. PMID: 36228107.

UROLOGY

Program News and Events - 17th Annual Urologic Oncology Visiting Professor



The Division of Urology hosted its 17th Annual Urologic Oncology Visiting Professor, **Dr Daniel W Lin**, on May 10-11, 2023. Dr. Lin is a Tenured Professor and Chief of Urologic Oncology in the Department of Urology at the University of Washington School of Medicine. Dr. Lin's major basic/translational research interests are in molecular/genomic biomarkers for aggressive prostate cancer, and his major clinical research efforts are in prostate cancer active surveillance and novel strategies in high-risk prostate cancer.

ACHIEVEMENTS



Simon Tanguay MD

New Grant: Terry Fox Research Institute,

Marathon of Hope Cancer

Centers Network for his work entitled: "*Precision-RCC: Advancing personalized treatment strategies in renal cancers*"; Total Amount from April 1 2023 to March 31, 2024: \$780 000



Cristian O'Flaherty DVM, PhD

New Leadership Role: Dr. Cristian O'Flaherty was elected member of the Board of Directors

of the American Society of Andrology (ASA) from April 2023-April 2026.

New Grant:



Jacques Lapointe MD, PhD

New publication: British Journal of Cancer - Epub 2023 Apr 10 - 2023

Jun;128(12):2165-2174. doi: 10.1038/s41416-023-02236-8. Title: *A DNA copy number alteration classifier as a prognostic tool for prostate cancer patients* **Dr. Cristian O'Flaherty** is a co-applicant in a grant for 4 years from an international research network with researchers from Australia, Canada, Spain and Sweden, entitled "Regulation of the switch between glycolysis and the pentose phosphate pathway: reprogramming energetic metabolism to improve current techniques of stallion sperm conservation", funded by Ministry of Science and Innovation, Spain.



Dr. Simone Chevalier, PhD

New publication

The Journal of Pathology Clinical Research_Epub 2023 Apr 18. PMID: 37073437- 2023 Jul;9(4):285-301. doi: 10.1002/cjp2.319. Derderian S, Benidir T, Scarlata E, Altaylouni T, Hamel L,

Zouanat FZ, Brimo F, Aprikian A, Chevalier S Title: "Cell-by-cell quantification of the androgen receptor in benign and malignant prostate leads to a better understanding of changes linked to cancer initiation and progression"

New Grant

The Terry Fox Research Institute - Pan-Canadian Marathon of Hope Cancer Centres Network (MOHCCN) for the study entitled: "*Longitudinal Molecular Characterization of Lethal Prostate Cancer: A Major Step Towards Precision Oncology*" Principal investigators (co-leads): Aprikian A & Chevalier S (McGill University), Saad F. (Université de Montréal); Pouliot F. (Université Laval); Co-applicants: Labbé D. (McGill University) Total Amount: \$7,824,000, Operating Grant (2023/04-2026/03)



David P. Labbé, Ph.D.

New Grants

National - Terry Fox Research Institute - Marathon of Hope Cancer Centres Network Application for the study entitled: "*Precision lifestyle to optimize prostate cancer treatments*"

- Total Amount: \$4,248,000, Operating Grant (2023/04-2026/03)
- Pls (co-lead): Fradet, V. (Université Laval); Labbé, DP.
- Co-applicants: Fradet, Y. (Université Laval); Fleshner, N. (University of Toronto); Gleave, M. (University of British Columbia); Aprikian, A. (McGill University)

International - World Cancer Research Fund - Investigator Initiated Grant for the study entitled: "Integrating tissue-based spatial information to elucidate how obesity-induced tumour metabolites drive prostate cancer progression"

- Total Amount: £340,000, Operating Grant (2023/04-2027/03)
- PI: Zadra, G. (Research National Council)
- Co-Is: Labbé DP.; Butler, L. (University of Adelaide)

- Labbé DP. Interplay between transcriptional, epigenetic and metabolic dependencies in prostate cancer. Seminar Series, Princess Margaret Cancer Centre, Toronto (Ontario), February 2nd, 2023.
- Labbé DP. Interplay between transcriptional, metabolic and epigenetic dependencies in prostate cancer. Weill Cornell Medicine Specialized Program of Research Excellence (SPORE) in Prostate Cancer, Weill Cornell Medicine, New York (USA; Virtual), April 19th, 2023.

STUDENT SUCCESS



Samira Rahimirad, PhD candidate supervised by Dr Simone Chevalier and co-Supervisor Dr Armen Aprikian obtained the *C. Epstein Fellowship in Woman's Health Studentship* from the Faculty of Medicine and Health Sciences and received the 2023 RI-MUHC Studentship, PhD award.

Samira was also awarded the 2023 RI-MUHC, \$10,000 (declined), and is a current recipient of the 2023-2027 Fonds de recherche du Québec – Santé (FRQS) award. Amount: \$25,000/year for 4 years)

Congratulations to **Jiaxuan Li** (M.Sc. – Supervisor **Labbé**) for being awarded a Bourse de Formation Maîtrise in the amount of \$40,000 from the Fonds de recherche du Québec – Santé (FRQS)



Diego Loggia, MSc student in **Dr. O'Flaherty's** laboratory won the *2023 RI-MUHC Desjardins Studentship Award in Child Health Research* for his studies on the metabolism of citrate during sperm capacitation.

Diego was also recognized for his work "*Role of citrate in human sperm capacitation*" as a poster presentation at the Experimental Surgery Graduate Program Research Day, May 17, 2023.



Steven Serafini, Ph.D. student, was awarded the *Best Oral Communication* at the Canadian Oxidative Stress Consortium meeting (Montreal, May 10-12, 2023), for his presentation on: *"Sphingosine I-phosphate signalling promotes human sperm capacitation"*.

He was also awarded for his work "Phosphorylations and nitric oxide production are regulated

by sphingosine I-phosphate signalling during sperm capacitation" as a poster presentation at the Experimental Surgery Graduate Program Research Day, May 17, 2023.

UPCOMING EVENTS

McGill Urology Research Day

Dr Simone Chevalier and Dr Simon Tanguay are proud to host the 33rd Annual Urology Research Day with the theme dedicated to Prostate Cancer on Wednesday November 8, 2023 at the McGill University Health Centre Research Institute's Drs. Sylvia and Richard Cruess Amphitheatre. They will be welcoming visiting Professor Dr Scott E. Eggener from University of Chicago Medical Centre, Illinois. The event provides an opportunity for their students, residents and fellows to present their excellent research work and progress accomplished across their teams

VASCULAR SURGERY

Program News & Events

- The Division hosted its Vascular Surgery Alumni Day on Friday April 21, 2023. The visiting speaker for this event was Dr. Cherrie Abraham, University of Oregon Health Sciences Center, Portland, Oregon. This inaugural event was a huge success and we look forward to planning the next one!
- Dr. Katherine McGinigle was our Vascular Surgery invited speaker at Vascular Surgery rounds on Friday May 19th, 2023. She presented on Enhanced Recovery After Surgery (ERAS) in Vascular Surgery.



Dr. Elie Girsowicz participated as an invited Simulation Expert at the April 2023 European Symposium for Vascular Biomaterials, Strasbourg, France.

Publications

Selected Publications - March to May 2023

- Perioperative Glycemic Surveillance and Control-Current Practices, Efficacy and Impact on Postoperative Outcomes following Infrainguinal Vascular Intervention. Kinio AE, Gold M, Doonan RJ, Steinmetz O, Mackenzie K, Obrand D, Girsowicz E, Bayne J, Gill HL. Ann Vasc Surg. 2023 Mar 31:S0890-5096(23)00176-O.
- Efficacy of Strategies Intended to Prevent Surgical Site Infection After Lower Limb Revascularization Surgery: A Systematic Review and Meta-Analysis of Randomized Controlled Trials.Kirkham AM, Candeliere J, McIsaac DI, Stelfox HT, Dubois L, Gill HL, Brandys T, Nagpal SK, Roberts DJ. Ann Surg. 2023 Mar 30.
- Association Between Obesity and Outcomes Following Endovascular Aneurysm Repair. Naiem AA, Habib M, Doonan RJ, Obrand DI, MacKenzie KS, Steinmetz OK, Bayne JP, Girsowicz E, Gill HL .Ann Vasc Surg. 2023 Mar 1:S0890-5096(23)00121-8.
- A systematic review and meta-analysis of the effect of obesity on patients undergoing lower extremity revascularization. Abi-Jaoude JG, Naiem AA, Edwards T, Lukaszewski MA, Obrand DI, Steinmetz OK, Bayne JP, MacKenzie KS, Gill HL, Girsowicz E. J Vasc Surg. 2023 Jul;78(1):243-252.e5.



WCGill Department of Surgery

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