



Department of Surgery

Annual Report
2022



McGill

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		+ 2022 Graduates	41



Orthopaedic Surgery

42

Leadership Team

45

Division Highlights

46

+ Achievements

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+ Notable Publications

47

+ 2022 Graduates

48

Plastic, Reconstructive and Aesthetic Surgery

50

Leadership Team

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Division Highlights

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+ New Recruitment

51

+ Achievements

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+ Notable Publications

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+ 2022 Graduates

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Thoracic Surgery

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Division Highlights

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+ McGill Annual Symposium on Upper-Gastrointestinal Cancers

55

+ Notable Publications

56

+ 2022 Graduates

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Urology

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Leadership Team

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Division Highlights

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+ New Recruitment

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+ Achievements

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+ Notable Publications

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+ 2022 Graduates

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Vascular Surgery

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Leadership Team

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Division Highlights

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+ New Recruitment

66

+ Achievements

67

+ Invited Presentations

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+ Notable Publications

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+ 2022 Graduates

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Mission Statement

MISSION

To provide the highest-quality patient-centered surgical care, perform innovative research, and train the next generation of surgeons and scientists.

VISION

To be Canada's leading academic surgical department, improving outcomes and quality of care through impactful research, innovation and training.





VALUES

The Department of Surgery is committed to the following Values:

Creativity

to drive meaningful innovation and discovery

Excellence

to produce world-class results

Collaboration

to yield interdisciplinary breakthroughs

Empathy

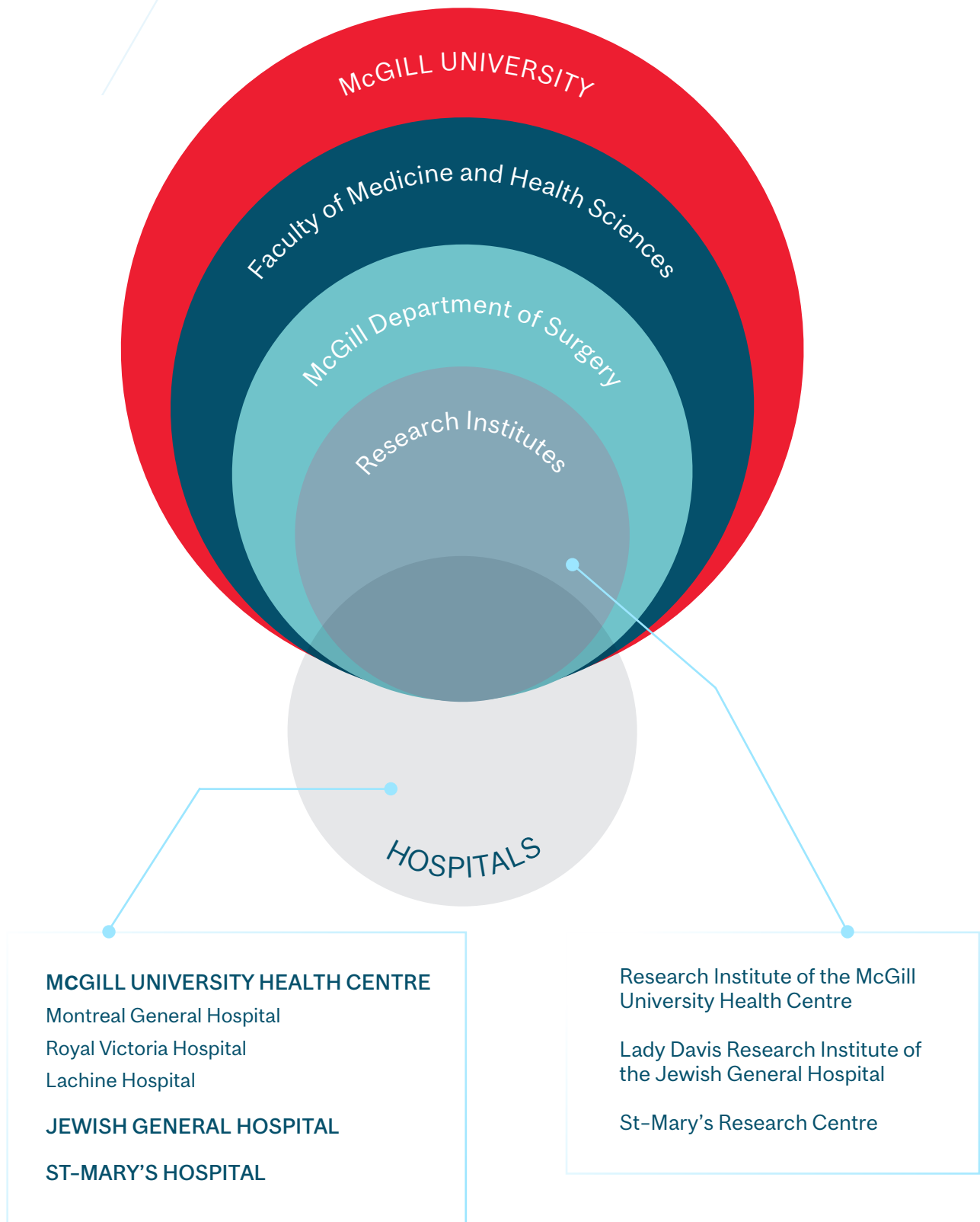
for patients, learners, faculty and staff

Inclusivity

for a supportive, welcoming and productive environment



THE MCGILL DEPARTMENT OF SURGERY ECOSYSTEM





Message from the Chair

Beginnings and endings present opportunities to reflect in gratitude for all that we have, and to set goals and plan for the future.

This is perhaps particularly relevant as we look towards 2023, which will mark the 100-year anniversary of Dr Edward W. Archibald's appointment as the first chair of the McGill Department of Surgery, establishing the teaching and research programs that continue to be our foundations to the present day. As we reflect back on 2022, we can all be proud that we continued to build on our academic and clinical strengths, despite residual challenges from the pandemic.

One of my main priorities as Chair continues to be professional growth and community building. We instituted new policies to support best practices in recruitment at the three main hospital sites. We initiated mandatory external reviews for Divisions at the end of 5-year Division Director terms, and completed our first two in Urology and Cardiac Surgery. These Division reviews will help structure future priorities and initiatives. With such a large and diverse department spread over multiple sites, communication can be challenging. We rolled out a new quarterly e-newsletter, Surgery eNEWS, to provide information between the publication of our bi-annual Square Knot magazine, to highlight notable publications, grants, student successes and other news. We continue to bring

improvements to our website to keep it up to date and make information more accessible – I hope it is a key resource for everyone. We had our first cohort of 15 faculty members complete our Surgical Leadership Development Program, created in collaboration with McGill's Desautels Executive Institute. I am grateful that the Archibald family has made a generous donation to support the Surgical Leadership Development Program for the coming years.

Research is a core mission of our department. Discovery and invention advance patient care, while our research training programs develop the next generation of innovative scientists and surgeons. Planning is critical for any organization, and we completed a strategic planning exercise for research in 2022. This will help us prioritize the skills and resources we will need to build-on our strengths in the coming years. Surgery and interventional medicine continue to evolve, becoming increasingly less invasive, safer, and more precise which result in better outcomes. Foundational to this process are surgical robotics (becoming smaller, cheaper and smarter) coupled with advances in data science. Our department already has many of the building



Liane S Feldman

MDCM FACS FRCS

Edward W. Archibald Professor and Chair,
Department of Surgery, McGill University

Surgeon-in-chief,
McGill University Health Centre

See

blocks in place to contribute in creating this future. A further step was accomplished in the opening of a Surgical Robotics Research Lab, under the leadership of Amir Hooshier PhD. This will be a center of excellence for innovation, development, and validation of next-generation surgical robots and associated technology. These include technologies for pre-operative planning, intraoperative guidance, in-situ diagnostics, and patient outcome data analytics.

Our students, residents and fellows continued to shine and lead the way with their professionalism and dedication to patient care, learning and research. The surgeon-scientist program had nine residents pursuing full-time research training in 2022, with almost all receiving extramural competitive funding.

We were privileged to welcome Dr Susan Moffat-Bruce as the 32nd Fraser Gurd visiting professor. I was certainly hoping 2022 would be fully back to normal, but with hospital rules still minimizing meeting group numbers, this was not to be. While grand rounds and the research day were again virtual, we were very happy to be able to celebrate our graduates and their guests at a slightly scaled down hybrid banquet, which was also enjoyed by many others over Zoom.

This year also saw some changes in our Departmental leadership with Dr Melina Vassiliou beginning as Adair Chair for Surgical Education and Dr Kevin Lachapelle inaugurating a newly created position, Associate Chair for Faculty Development. Dr Donna Tataryn stepped down as surgeon-in-chief at St. Mary's/CIUSSS de l'Ouest de l'Île, replaced by Dr Ron Dimentberg. We welcomed Justine Chamoun as our new Administrative Associate Director for the Department of Surgery, overseeing academic, financial and student affairs, as well as communications. She brings a wealth of administrative experience to this role. I would also like to thank Christina Raneburger who is moving on to new challenges.

While 2022 was still marked by the pandemic, this report highlights just a few of the many examples of our Department's contributions in clinical care, teaching and research. Thank you for reading - hope you enjoy it.



We invite you to proudly show your support and connection to the McGill





Department Leadership

EXECUTIVE COMMITTEE



Liane Feldman, MD
Chair



Jake Barralet, PhD
Associate Chair
Research



Kevin Lachapelle, MD
Associate Chair
Faculty Development



Renzo Cecere, MD
Division Director
Cardiac Surgery



Paola Fata, MD
Division Director
General Surgery



Greg Berry, MD
Division Director
Orthopaedic Surgery



Simon Tanguay, MD
Division Director
Urology



Kent MacKenzie, MD
Division Director
Vascular Surgery



Ruth Chaytor, MD
Chief of Surgical Services
Jewish General Hospital



Melina Vassiliou, MD, MEd
Associate Chair Education



Michael Tanzer, MD
Associate Chair
Clinical



Mirko Gilardino, MD
Division Director
Plastic, Reconstructive
and Aesthetic Surgery



Lorenzo E. Ferri, MD, PhD
Division Director
Thoracic Surgery



Ron Dimentberg, MD
Chief of Surgical Services
St. Mary's Hospital

UNDERGRADUATE MEDICAL EDUCATION



Simon Bergman, MD
Director, Undergraduate
Surgical Education &
Surgery Clerkship

POST GRADUATE MEDICAL EDUCATION



Emmanuel Moss, MD
Program Director
Cardiac Surgery



Kevin Lachapelle, MD
Assistant Program Director
Cardiac Surgery



Sender Liberman, MD
Program Director
General Surgery



Kate McKendy, MD
Assistant Program Director
General Surgery



Mitchell Bernstein, MD
Program Director
Orthopaedic Surgery



Anthony Albers, MD
Assistant Program Director
Orthopaedic Surgery



Mohamed El Sherbini, MD
Program Director
Urology



Mélanie Aubé-Peterkin, MD
Assistant Program Director
Urology



Stephanie Thibaudeau, MD
Program Director
Plastic, Reconstructive and
Aesthetic Surgery



Jason Patrick Bayne, MD
Program Director
Vascular Surgery



Jean-Sébastien Pelletier, MD
Program Director
Surgical Foundations



Allison Pang, MD
Assistant Program Director
Surgical Foundations

McGill Department of Surgery by the numbers

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ACADEMIC APPOINTMENTS

TYPE OF APPOINTMENT	TOTAL
Clinical appointments:	201
Contract Academic Staff	183
Tenure Track	18
Research appointments:	28
Contract Academic Staff	15
Tenure Track	13
Honorary/Emerita/Emeritus	11
Adjuncts/Affiliates	13
TOTAL	253

24%

women faculty

NUMBER OF RESIDENTS AND FELLOWS

DIVISION	RESIDENTS	FELLOWS	TOTAL
Cardiac Surgery	15	1	16
General Surgery	49	18	67
Orthopaedic Surgery	25	23	48
Plastic, Reconstructive and Aesthetic Surgery	18	1	19
Thoracic Surgery	-	2	2
Urology	18	8	26
Vascular Surgery	7	1	8
TOTAL	132	54	186

30%
women



NUMBER OF GRADUATING RESIDENTS AND FELLOWS

DIVISION	RESIDENTS	FELLOWS	TOTAL
Cardiac Surgery	2	1	3
General Surgery	7	11	18
Orthopaedic Surgery	6	11	17
Plastic, Reconstructive and Aesthetic Surgery	5	1	6
Thoracic Surgery	-	1	1
Urology	3	1	4
Vascular Surgery	1	1	2
TOTAL	24	27	51





FUNDING

More than
\$21 M
in funding

35%
research council
(FRQS/CIHR/NIH)

65%
other funding sources
(foundations; industry)

PUBLICATIONS

PUBLICATION TYPE	NUMBER
Articles	395
Chapter	8
Conference Paper	16
Editorials	22
Letters	10
Notes	12
Reviews	73
*Total	536

*(SciVal July 4 2022)



Faculty Development

The Department of Surgery at McGill University has made significant efforts to support the professional growth and development of its staff as academic surgeons and members of the surgical community.

In January 2022, the Department introduced its Faculty Development stream, aiming to provide explicit and directive support to its surgical community.

Faculty Development differs from Maintenance of Competence or Continuing Education, as it focuses on “Soft Skills” rather than solely medical or surgical expertise. These skills, essential for a well-rounded surgical career, often go unaddressed during traditional training programs. The Department recognizes the importance of skills such as effective leadership, education, communication, work-life balance, resilience, and fostering diversity.

While Faculty Development is a common practice in medical schools, the Department acknowledges the unique nature of surgical practice and the need for tailored Faculty Development specific to a surgeon’s reality. In response, they have developed the Surgical Leadership Program in collaboration with the Desautels Faculty of Management/ Executive Institute. This program is the first of its

kind in Canada and one of only a few worldwide. It offers a series of leadership development courses for surgeons to enhance their skills and qualities, enabling them to become more effective leaders in their various roles, as committee members, researchers, innovators, and entrepreneurs.

The three-month Surgical Leadership Program consists of eight weekly sessions, focusing on Essential Leadership, Financial Management, and Conflict Resolution. The program’s inaugural cohort included 15 surgeons and research scientists from all seven divisions of the Department. The feedback received from the participants was highly positive. Furthermore, the program’s continuation is secured for the next three years, thanks to a generous \$100K donation from James and Dana Wessel, in memory of Dan’s grandfather Dr. Edward Archibald, a renowned surgeon and first Chair of the McGill Department of Surgery.



Kevin Lachapelle, MD

**Associate Chair
Faculty Development**



Participants in Department's first Surgical Leadership Development Program



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Research

Like surgery itself, research into future technologies and the science that supports it, is revolutionizing.

The Department of Surgery conducted a comprehensive research strategy exercise throughout 2022, culminating in a successful in-person Research Retreat. Organized as a two-phase approach with a pre-Retreat working group session leading to a Department-wide Retreat, the aim was to structure a robust research strategy with input from all departmental members.

During the pre-Retreat working group session, key research representatives from all seven surgical divisions and external stakeholders from the collaborative research community came together. Leveraging insights from a Departmental survey conducted prior to the event, participants engaged in fruitful discussions to outline the research strategy framework and consolidate the department's mission, vision, and values.

The preliminary research strategy framework was presented at the Department-wide Retreat. In-depth discussions on each pillar and cross-functional capability were led by experts in their respective research fields. The Retreat served as an opportunity to refine the strategy and establish clear objectives

for each pillar and capability, ensuring focused and impactful research efforts.

The resulting Research Strategy Framework encompasses several vital elements. **Strategic Research Pillars:** Oncology, Outcomes, Education and Regenerative Medicine; were identified to unite multiple practice areas around common points of interest. These pillars serve as the foundation for focused research endeavors. **Cross-Functional Capabilities,** representing the methods and expertise necessary for effective research, were also delineated: translation/innovation, data science, medical technology and precision health. These capabilities facilitate interdisciplinary collaboration and knowledge exchange.

Supporting Research Foundations, which underpin all research activities, were highlighted as crucial components of the strategy. These include resources, infrastructure, and institutional support necessary for successful research outcomes. Additionally, Enablers, the fundamental elements supporting implementation and sustainable success, were identified to ensure the strategy's effectiveness and long-term impact.



Jake Barralet, PhD

**Associate Chair
Research**

To guide the implementation of the research strategy, Pillar Leaders and Cross-Functional Capability Directors were appointed. This official strategy will serve as a roadmap for future research endeavors, aligning the Department of Surgery with its mission to advance knowledge and innovation in the field.

Please click on the link to read the full research strategy plan: www.mcgill.ca/surgery/researchinnovation/research-strategic-plan

The Department wishes to express its sincere gratitude to the research leaders and all members of the Department who actively participated in the Research Retreat. Their valuable insights and contributions have been instrumental in shaping this research strategy, setting the stage for continued excellence and impactful advancements in surgical research within the McGill Department of Surgery.



Education

2022 was my first year in this role and it has been a privilege to bear witness to how resilient and dedicated our surgeons and learners are.

The effects of the pandemic and many other challenges to our academic environment are real and being felt at every level. Yet we soldier on. I think it is time, however, for us to come together and regroup so that we can better understand what our needs are, and what the best path forward would be – together.

We have many dedicated surgeon-educators including residents who have continued to teach and innovate in response to the changing learning environment. There is also a panoply of exciting education research going on in the Department of Surgery. We have had great virtual attendance at Surgical Grand rounds, which have included some interesting topics and fantastic speakers. We also hosted our first of a series of Surgical Education rounds, which presented a fascinating panel on AI in surgical education.

This year, we re-instated the Surgical Education group, which will be led by Drs. Wagner and Gomez. We had our first meeting and we will be announcing more meetings for 2023. The goal will be to forge relationships and collaborations between different

individuals and groups with an interest in any aspect of surgical education, from teaching to research. You can read more about it here: healthnews.mcgill.ca/after-a-pandemic-imposed-pause-mcgills-surgical-education-group-returns/ and are encouraged to get involved!

It would be impossible to list all of the outstanding achievements and recognitions in education our Department has merited, even just this past year. A few highlights include:

- Appointees to the Faculty Honour List: Dan Deckelbaum (2021–2022), Stephane Bergeron (2022–2023) and Tarek Razek (2022–2023).
- CAME Certificate of Merit: Simon Bergman
- CAME Rising Star Award (resident): Olivier Vaillancourt
- CAME Rising Star Award (student): Isabella Bozzo.
- Outstanding teacher award 2022 (Surgical Foundations): Shannon Fraser
- Kent MacKenzie award for educational leadership 2022: Ahmed Naïem



Melina Vassiliou, MD, MEd

**Associate Chair
Surgical Education**

- Ross Adair memorial award for commitment to excellence in education 2022: Jenny Moon (General Surgery), Carl Laverdiere (Orthopaedic Surgery), Ioana Fugaru (Urology)

Looking into the immediate future, we are envisioning the creation of a Division of Surgical Education to help showcase all of the amazing people and work going on. The Surgical Education website will also be redesigned with more function and purpose to better meet our needs. Look out for interesting grand rounds topics, including an extended grand rounds from well-known author Christine Porath (www.christineporath.com).

For me in this role, the theme for this year and moving forward is “community”. I hope we can find ways to re-connect as human beings and around our common purpose and goals. Due to some education reforms, resource scarcity, and of course a global pandemic, many of us in the Department of Surgery and in the health profession overall have become increasingly disconnected. This lack of unity has had a significant impact on our learning and working environments,

and has eroded some of the cohesion that kept us going in the past, especially in times of stress.

Finally, as we think ahead into the future, here are some questions to ponder: What can we do to bring our teams and communities back together, such that everyone’s voice can be heard? How can we re-build trust so that our learners can perform entrustable tasks? How can we re-kindle the sense of purpose and meaning that brought many of us to this profession in the first place? If you have the answers, let me know. Otherwise, we will be forging ahead, one small change at a time.

EDUCATION AWARDS 2022

Fraser Gurd Awards in Education

AWARDS TO FACULTY

Harvey H. Sigman

**Undergraduate Teaching
Excellence Award**

- Nayla Gosselin-Papadopoulos
(Orthopaedic Surgery; Campus
Outaouais)

**Outstanding Teacher Award,
Post-Graduate Education**

- Shannon Fraser
(General Surgery)

AWARDS TO RESIDENTS AND FELLOWS

**Ross Adair Memorial Award
for Teaching Excellence**

- Jenny Moon
(General Surgery)
- Carl Laverdiere
(Orthopaedic Surgery)
- Ioana Fugaru
(Urology)

**The EDDY: Edmond D. Monaghan
Principles of Surgery Award**

- Ahmad Alhaj
(Vascular Surgery)

**Kent MacKenzie Award for
Educational Leadership and
Excellence in Surgery**

- Ahmed Naïem
(Vascular Surgery)



Experimental Surgery Graduate Program

Throughout the year 2022, the Experimental Surgery program has made significant strides in supporting graduate students, fostering innovation, and promoting interdisciplinary collaboration. From implementing initiatives to enhancing student success, to offering cutting-edge programs and fostering a culture of mentorship and research excellence, the Experimental Surgery program has emerged as a leader in advancing surgical education while pushing the boundaries of surgical innovation.

- 1. Enhancing Graduate Student Success:** The Department of Surgery aims to provide assistance and resources to ensure a fulfilling experience for graduate students at McGill. This includes implementing a Letter of Understanding (LOU) at the beginning of each program to establish mutual expectations and reduce misunderstandings between supervisors and students.
- 2. Harmonized Stipend:** McGill University has taken steps to address the issue of inadequate stipends for graduate students in thesis programs. The Faculty of Medicine and Health Sciences has implemented a new Harmonized Stipend Policy, which guarantees a sufficient living stipend for

all thesis-program students. The Department of Surgery adhered to this policy, setting basic stipend allowances for M.Sc. (thesis) and Ph.D. students at \$20,000 and \$22,000 CAD, respectively.

- 3. Innovative Programs:** To attract top students, the Experimental Surgery Program offers programs that foster innovation and creativity. Interdisciplinary programs, such as the cumulative master's degree, have gained traction, allowing students to combine certificates and diplomas in a thematic and coherent manner. These programs increase accessibility to higher education and appeal to working professionals seeking additional credentials.
- 4. Program Portfolio:** The Experimental Surgery Program offers Ph.D. and M.Sc. degree programs with various concentrations, including Surgical Innovation, Surgical Education, Global Surgery, Surgical Outcomes, and Digital Health. The Department has also collaborated with the Gerald Bronfman Department of Oncology to offer students the opportunity to earn a Master's non-thesis degree in Experimental Surgery through its Graduate Diploma in Oncology.



Fackson Mwale, PhD, FIOR

**Graduate Program Director
Professor of Surgery**

5. **Non-Thesis Track:** The Non-Thesis track provides a comprehensive training program at the graduate level, emphasizing the fundamental principles of modern surgical research. This option includes academic coursework and short-term projects, making it ideal for students who do not wish to complete a thesis. It also offers specialized training in innovation through the Clinical Innovation activity.
6. **Early-Career Investigator Mentorship:** The Early-Career Investigator Mentorship (eCIM) program was established to support early-career researchers. Workshops and mentoring opportunities are provided to participants, contributing to their professional growth. Notable achievements include the awarding of the FRQS to Dr. Shuk On Annie Leung, Dr. Sinziana Dumitra, and Dr. Joshua Vorstenbosch in 2022.
7. **Seminar Series:** The Department of Surgery launched a virtual seminar series for Experimental Surgery and the Injury Repair Recovery Program (IRR), featuring renowned speakers in the field. This initiative provides a platform for knowledge exchange and academic discussions.
8. **Recruitment Efforts:** The Experimental Surgery Program has focused on recruiting and retaining top graduate students by leveraging the University's new Student Admissions System (Slate). This integrated system facilitates recruitment events, communication, and prospect management analytics.
9. **Awards and recipients:** We would like to extend our congratulations to the following individuals for their outstanding achievements and recognition. Also, we congratulate the following award recipients: Ida Derish, Marianne Gagnon, and Matthew Mannarino for the Canada Graduate Scholarships—Doctoral (CGSD) program – CIHR award; Byunghoon Ahn for the CGSD – SSHRC award; Fabio Mendes Botelho Filho for the FMHS Internal Studentship John McCrae Fellowship; Samira Rahimirad for the FMHS Internal Studentship – Epstein Fellowship in Women's Health; Rayan Ben Letaifa, Katy Dmowski, Anna Kinio, Araz Kouyoumdjian, Justin Matta, and Rania Soliman for the Canada Graduate Scholarships—Masters (CGSM) – CIHR award.

2022 GRADUATES

FALL 2022

MSc Degree	
Shafic Abdulkarim	Rachel Monk
Tariq Al-Saadi	Audrey Pitaru
Jasmine Anthony	Arash Rad
Yehuda Chocron	David Tejera
Gargi Goel	Arturo Vela Lasagabaster
Aalya Hamouda	Oliver Wu Martinez
Amr Hodhod	Daniel Bisson
Adam Hoffman	Xin Su
Jessica Holland	
Graduate Certificate in Surgical Innovation	
Nicolas Legare	
PhD Degree	
Teodora Dumitra	Ashkan Koushanpour

WINTER 2023

MSc Degree	
Nour Abou Hamdan	Jannatul Ferdus
Rachad Aita	Julia Ferreira
Mohammed Alharbi	Toufic Hassan
Rassim Amrani	Stephanie Sirmakesyan
Juliana Cavalcante d Moura	Gabriella Spacagna
Dina El Jaroudi	Isabelle Tardif-Sanchez
Charbel El Kefraoui	
Cumulative Master's Non-Thesis & Graduate Certificate in Surgical Innovation	
Drew Harrigan	









Division Reports

Cardiac Surgery

The Division of Cardiac Surgery focuses on clinical service, research, teaching, and providing advanced patient-centered surgical care.

The Division of Cardiac Surgery is committed to training future cardiac surgeons, conducting innovative research, and collaborating with other healthcare professionals to the advancement of cardiac surgical techniques, patient outcomes, and to the field of cardiac surgery. All divisional activities are performed across three McGill University-affiliated hospitals: the Royal Victoria Hospital, the Montreal Children's Hospital, and the Jewish General Hospital.

The full spectrum of cardiac surgical procedures are performed on our sites, with dedicated teams and programs in:

- Coronary Revascularization
- Valvular and Structural Procedures
- Advanced Heart Failure therapies, including Heart Transplantation; Combined Heart-Multiorgan Transplantation; and Mechanical Cardiac Assist for Acute and Chronic heart failure
- Aortic Surgery
- Surgery for Adult Congenital Heart Disease
- Neonatal and Pediatric Heart Surgery; including Heart Transplantation and Mechanical Cardiac Support
- Robotic Cardiac Surgery
- Pulmonary Thrombectomy for Pulmonary Hypertension
- Pericardial Diseases Program

The McGill Division of Cardiac Surgery Training Program includes the following Clinical Fellowships:

- Adult Complex Cardiac Surgery
- Congenital Cardiac Surgery
- Heart Failure/ Heart Transplant/ Mechanical Cardiac Assist

Research Activities

A broad scope of Basic Science, Translational, and Clinical Research is undertaken throughout the Division of Cardiac Surgery.



LEADERSHIP TEAM



Renzo Cecere, MD
Division Director



Emmanuel Moss, MD
Program Director



Kevin Lachapelle, MD
Assistant Program
Director



Dominique Shum-Tim, MD
Research Director



DIVISION HIGHLIGHTS

Achievements

- **Dr. Renzo Cecere** and co-applicants **Dr. Jake Barralet**, **Dr. Thomas Fevens** (Concordia University), and **Dr. Amir Hooshier** (Post-Doc) have been awarded the FRQS AUDACE Prize for

2022 for their innovation project titled “See Through Blood: X-Ray Free Minimally Invasive Cardiac Surgery With Intelligent Robotics and Intra-Cardiac Direct Vision”

Notable Publications

1. Parent, M., **Lachapelle, K.**, Issa-Chergui, B., Alcindor, T., Genest, J., & Mousavi, N. (2022). Recurrent acute coronary syndrome caused by a primary aortic valve sarcoma: grand rounds and literature review. European heart journal. Case reports, 6(11), ytac412.
2. Ghandour, A., Bassawon, R., **Langlois, H.**, Ergina, P. L., & Shum-Tim, D. (2022). Migration despite stabilization of an embolized transcatheter heart valve: A word of caution. Journal of cardiac surgery, 37(12), 5588–5590.
3. Bassawon, R., & **Shum-Tim, D.** (2022). Redefining the bread and butter. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery, 61(6), 1412–1413.
4. Qatomah, A., Cools-Lartigue, J., **Moss, E.**, Wyse, J., & Miller, C. S. (2022). Pan-Esophageal Submucosal Dissection following Transesophageal Echocardiography. Case reports in gastroenterology, 16(2), 413–417.

2022 Graduating Residents

RESIDENT	CURRENT POSITION
Richard Tang	Congenital Cardiac Surgery Fellowship– Atlanta, GA
Khalid Ridwan	Advanced Cardiac Surgery Fellowship – Philadelphia, PA

2022 Graduating Fellow

FELLOW	COMPLETED FELLOWSHIP
Yuichi Matsuzaki	Multi-disciplinary Heart Failure Cardiac Transplant



General Surgery

The Division of General Surgery is recognized internationally for our advancements in surgery, education, research, and leadership. As the largest surgical division at McGill, our areas of excellence include acute care, minimally invasive, hepatobiliary and pancreatic, endocrine, bariatric, trauma and colorectal surgery, as well as multi-organ transplantation, and surgical oncology.

Our Division is composed of over 50 Faculty treating complex surgical diseases across five McGill University hospitals: the Montreal General Hospital, the Royal Victoria Hospital, the Lachine Hospital, the Jewish General Hospital and St. Mary's Hospital.

General Surgery continues to excel in its mission to redefine surgery by: humanizing the way we deliver innovative care for our patients, offering an exceptional education with accessibility to leading surgeons, and investigators, offering techniques to foster our next generation of surgical leaders, and by continuing to push the boundaries of research, while cultivating a strong community spirit and respect for diversity.

The Division's mindset has been to turn challenges into opportunities. This past year, the Division and its Residency program undertook a reflective exercise to improve our performance. To lay the path forward in achieving each objective, our working groups in General Surgery continue to develop supporting strategies, actions, milestones, resource implications and key accountabilities as we continue to raise our profile, reputation and growth. The General Surgery residency program continues to transition into the

competence by design framework. Our Faculty's commitment to education has also fostered the development of new teaching strategies for our residents; these include disruptive thinking, visionary rounds, and increased use of simulation.

Our virtual rounds welcomed 12 international speakers ranging from experts at the forefront of crisis resource management, socially-responsible surgery, communication and implicit bias. Our in-person (at long last!) 20th Annual LD MacLean Day welcomed the renowned, Dr. Yuman Fong, the Sangiacomo Family Chair in Surgical Oncology, Chair and Professor, Department of Surgery at the City of Hope, California.

This past year alone, our Faculty published over 160 articles in refereed journals, with significant publications in JAMA Surgery, Nature Genetics, Journal of Clinical Oncology, Clinical Cancer Research, New England Journal of Medicine, the Lancet and British Journal of Surgery. Our Division Faculty received nearly eight million dollars in research money, including funding from the Canadian Institutes of Health Research (CIHR) and the Fonds de la Recherche en santé du Québec (FRQS).



Our members continue to hold prominent leadership roles across Canada and around the world, including at the Canadian Association of General Surgeons, the Royal College of Physicians and Surgeons, the Canadian Red Cross, the World Health Organization, and the American College of Surgeons. Most notably, Dr. Mark Basik as the current President of the Scientific Advisory Board of the Cancer Research Society, a major Canadian research granting agency. Dr. Simon Bergman is the Director of Undergraduate Surgical Education and the Associate Dean of Accreditation for UGME. Dr. Patrick Charlebois is the President of our Association Québécoise de Chirurgie. Dr. Shannon Fraser is the Vice-President of the Canadian Society of Physician Leaders. Dr. Paola Fata is a former President of the Canadian General Surgery Foundation. Dr. Liberman is Governor of the American College of Surgeons. Dr. Razek is the past President of the Trauma Association of Canada. Finally, Dr. Feldman, our Surgeon-in-Chief and member of the Division, is the immediate past President of SAGES.

Advocacy for patients is one of the Division of General Surgery's core values. Dr. Evan Wong, a recipient of the Canadian Association of General Surgeons'

operating grant, is currently leading our access to care initiative for Northern Quebec. Leading our working group, he will improve and streamline clinical pathways to expedite care for patients requiring surgical consultation for these vulnerable populations.



LEADERSHIP TEAM



Paola Fata, MD
Division Director



Sender Liberman, MD
Program Director



Kate McKendy, MD
Assistant Program Director



Steven Paraskevas, MD
Research Director

DIVISION HIGHLIGHTS

Achievements

New Grants

- **Dr. Marylise Boutros**

CIHR Project grant: The OPERa Study: A Multicenter Observational Prospective Cohort Study to Evaluate Determinants of Long-Term Quality of Life following Low Anterior Resection for Rectal Cancer

Budget: 558 450 \$

Duration : 5 years

- **Dr. Julio F Fiore Jr; Abou Khalil, Jad;** Desbiens, Christine; **Feldman, Liane S;** Findlay-Shirras, Lisa; Maciver, Allison; McDonald, Emily G; **Meterissian, Sarkis H;** **Prakash, Ipshita;** Quan, May Lynn; Rivard, Justin; **Wong, Stephanie M**

CIHR project grant: Comparative effectiveness of opioid versus opioid-free post-discharge analgesia after outpatient breast surgery: A randomized controlled trial

Budget: 100 000 \$

Duration: 1 year

Faculty Promotions

- **Dr. Marylise Boutros**

Full Professor

- **Dr. Lawrence Lee**

Associate Professor

FRQS Salary Awards

- **Dr. Sinziana Dumitra**

FRQS chercheur-boursier clinicien junior 1

- **Dr. Marylise Boutros**

FRQS chercheur-boursier clinicien junior 2



Notable Publications

1. Schmid, P., Cortes, J., Dent, R., Pusztai, L., McArthur, H., Kümmel, S., Bergh, J., Denkert, C., Park, Y. H., Hui, R., Harbeck, N., Takahashi, M., Untch, M., Fasching, P. A., Cardoso, F., Andersen, J., Patt, D., Danso, M., Ferreira, M., Mouret-Reynier, M. A., ...**Boileau, J.F.**, et al., KEYNOTE-522 Investigators (2022). Event-free Survival with Pembrolizumab in Early Triple-Negative Breast Cancer. The New England Journal of Medicine, 386(6), 556–567.
2. Di Lena, É., Hopkins, B., **Wong, S. M., & Meterissian, S.** (2022). Delays in operative management of early-stage, estrogen receptor-positive breast cancer during the COVID-19 pandemic: A multi-institutional matched historical cohort study. Surgery, 171(3), 666–672.
3. **Garfinkle, R., & Boutros, M.** (2022). Low Anterior Resection Syndrome: Predisposing Factors and Treatment. Surgical oncology, 43, 101691.
4. Al-Rashid, F., Robitaille, S., **Liberman, A. S.**, Charlebois, P., Stein, B., **Feldman, L. S., Fiore, J. F., Jr, & Lee, L.** (2022). Trajectory of change of low anterior resection syndrome over time after restorative proctectomy for rectal adenocarcinoma. Techniques in coloproctology, 26(3), 195–203.
5. Wu, S., Iqbal, S., Giroux, M., Alam, N., Campisi, J., **Razek, T., Deckelbaum, D., Grushka, J., McKendy, K., Wong, E.**, Marcoux, J., & **Khwaja, K. A.** (2022). Penn State equation versus indirect calorimetry for nutritional assessment in patients with traumatic brain injury. Canadian journal of surgery. Journal canadien de chirurgie, 65(3), E320–E325.
6. Latacz, E.; Höppener, D.; Bohlok, A.; Leduc, S.; Tabariès, S.; Fernández Moro, C.; Lugassy, C.; Nyström, H.; Bozóky, B.; Floris, G.; Geyer, N.; **Brodt, P.**; Llado, L.; Van Mileghem, L.; De Schepper, M.; Majeed, A.W.; Lazaris, A.; Dirix, P.; Zhang, Q.; Petrillo, S.K.; Vankerckhove, S.; Joye, I.; Meyer, Y.; Gregorieff, A.; Roig, N.R.; Vidal– Vanaclocha, F.; Denis, L.; Oliveira, R.C.; **Metrakos, P.**; Grünhagen, D.J.; Nagtegaal, I.D.; Mollevi, D.G.; Jarnagin, W.R.; D’Angelica, M.I.; Reynolds, A.R.; Doukas, M.; Desmedt, C.; Dirix, L.; Donckier, V.; Siegel, P.M.; Barnhill, R.; Gerling, M.; Verhoef, C.; Vermeulen, P.B. Histopathological growth patterns of liver metastasis: updated consensus guidelines for pattern scoring, perspectives and recent mechanistic insights, British Journal of Cancer, 127(6) 988–1013.
7. **Fiore, J. F., Jr**, El-Kefraoui, C., Chay, M. A., Nguyen-Powanda, P., Do, U., Olleik, G., Rajabiyazdi, F., Kouyoumdjian, A., Derksen, A., Landry, T., Amar-Zifkin, A., Bergeron, A., Ramanakumar, A. V., Martel, M., **Lee, L.**, Baldini, G., & **Feldman, L. S.** (2022). Opioid versus opioid-free analgesia after surgical discharge: a systematic review and meta-analysis of randomised trials. Lancet (London, England), 399(10343), 2280–2293.

2022 Graduating Residents

RESIDENT	CURRENT POSITION
Najla AlGhaithi	Bariatric Fellowship at McGill
Ali Abdulaziz	Advanced GI/Minimally Invasive Surgery Fellowship at McGill
Aroub Alkakk	Thoracic Fellowship at University of Ottawa
Ali Alnaki	Colorectal Fellowship Royal Prince Alfred Hospital, Sydney Australia
Dan Moldoveanu	Surgical Oncology Fellowship Mayo Clinic
Ebram Salama	Colorectal Fellowship Cleveland Clinic Florida
Maude Trepanier	Colorectal Fellowship at Penn State

2022 Graduating Fellows

FELLOW	COMPLETED FELLOWSHIP
Jessica Holland	Colorectal Surgery
Faisal Al Rashid	Colorectal Surgery
Safiya AlMasouri	Advanced GI/ Minimally invasive Surgery
Abdulaziz Alnumay	Bariatric Surgery
Melissa Hanson	Bariatric Surgery
Jorge Alberto Roldan Garcia	Advanced MIS Training - Hepatobiliary
Antonio Masi	Transplant Hepatobiliary Surgery
Ruqaiya AlShehhi	Trauma Surgery
Hayaki Uchino	Trauma Surgery
Nawaf AlShahwan	Critical Care Medicine/Trauma
Ghader Jamjoum	Surgical Oncology

Orthopaedic Surgery

The year 2022 came in with the arrival of Omicron, the latest and, thankfully, last of the clinically significant COVID-19 variants. It would not be until late summer that restrictions would be lifted progressively, freeing up our professional and personal lives at last.

Despite the ongoing challenges imposed by the virus, the Division of Orthopaedic Surgery moved forward on all academic fronts, including research, teaching and the provision of excellent clinical care.

Our leaders provided constructive and beneficial direction across the Division and the Department of Surgery. Ruth Chaytor continued as Chief of Surgery at the Jewish General Hospital (and for a time being, Division Chief of Cardiac Surgery!), while Michael Tanzer shouldered a heavy administrative load as the MUHC's Associate-Surgeon-in-Chief. Both somehow were successful in miraculously keeping the operating rooms, beds, and clinics running at near pre-pandemic capacity levels under arduous circumstances. Fackson Mwale and Jake Barralet were both instrumental in maintaining and increasing Divisional and Departmental research output. Lisbet Haglund, as Chair of the Mentorship Committee, provided sound guidance to our new clinical and research recruits. John Antoniou guided the residents through their annual research projects and oversaw the Resident Research Competition with his usual humour and efficiency. Mitchell Bernstein and Anthony Albers settled into their new roles as Director and co-Director of the Residency Training Program, setting a tone for rigour and discipline, while

maintaining a sense of fun and camaraderie, affably established by Thierry Benaroch and Neil Saran. At St Mary's Hospital, Ron Dimentberg took on added responsibility as Chief of Surgery of the CIUSS Ouest de l'Île and at St Mary's Hospital. The Division's Executive Committee composed of Drs Greg Berry, David Zukor, Thierry Benaroch, Mitchell Bernstein, Rudy Reindl, Jake Barralet, John Antoniou and Ron Dimentberg continued to provide sound advice and guidance.

Research continues to be a focus of our Division and success continues to build. In addition to a large number of active researchers among the staff surgeons, we now have 10 scientists working within our Division. This has bolstered the research opportunities and exposure of our trainees. In addition, our academic output continues to increase with 108 peer-reviewed publications this year, compared to 95 last year, with many in high-impact journals. Our surgeons and scientists continue to have success in attracting grant funding with a total of \$1.4M in 2022. In addition to the already firmly established and productive research programs, the Division continues to innovate by heading into new research fields, including Musculoskeletal Infection and Surgical Robotics/Advanced Imaging.



Clinically, our surgeons provide expert care to a large number of patients at all sites. Our trainees benefit from a wide exposure to musculoskeletal pathologies and conditions, and our patients benefit from the broad knowledge, skills and altruistic care of our surgeons. Our graduating residents passed their Royal College exams with flying colours and have been accepted into competitive fellowships across North America. We are equally fortunate to attract our own cohort of talented and intelligent fellows from across the globe. New in 2022, from an education stand point, was the Division's participation in McGill's inaugural Summer Medical School for International Students offered by the Faculty of Medicine and Health Sciences. A team of residents and surgeons delivered a high-quality half-day teaching session to Middle Eastern medical students to great acclaim. A repeat and expanded MSK component is in preparation for 2023.

Eric Lenczner officially retired in 2022 and his career was recognized and feted at a formal retirement party at the Faculty Club in November. Soon after he was the victim of an unfortunate accident. I can happily report that as of this writing he is continuing

to recover and is optimistic for a successful return to normal activities. Adriana Martinez was the sole new faculty arrival for 2022, taking up a position at St Mary's Hospital where she will provide care for Foot and Ankle and Arthroplasty patients.

In closing, the Division of Orthopaedic Surgery continues to expand and thrive. A result of the concerted and devoted efforts of our entire team, including our scientists, residents, fellows, coordinators, managers, secretaries, and surgeons. We are fortunate to have such a dedicated and expert group of individuals with whom to work every day; their enthusiasm and energy are the drivers for the success of the Division.



Dr Eric Lenczner giving his retirement address with the obvious approval of his lovely wife Linda.



LEADERSHIP TEAM



Greg Berry, MD
Division Director



Mitchell Bernstein, MD
Program Director



Anthony Albers, MD
Assistant Program Director



Jake Barralet, PhD
Research Director



John Antoniou, PhD
Research Director



DIVISION HIGHLIGHTS

Achievements

New Leadership role



Ron Dimentberg, MD
became Chief of
Surgery at the CIUSS
de l'Ouest de l'île and at
St. Mary's Hospital

Faculty Promotions

- **Dr Paul Andre Martineau**
Full Professor (Clinical)
- **Dr Derek Rozensweig PhD**
Associate Professor (Research)

Important Grants

- **Derek Rosenzweig:** CIHR – ICR / Cancer Research Society Partnership – Research Grants Targeting senescent cells to subdue breast-to-bone metastasis
Budget: 60 000\$ | Duration: 2 years
- **Lisbet A Haglund; Jean A Ouellet:** CIHR Project grant Curve progression, tissue remodelling and disease-modifying drugs in idiopathic scoliosis.
Budget: 784 126\$ | Duration 5 years
- **Livia Garzia:** CIHR Project grant Epigenetic mechanisms of osteosarcoma pathogenesis and progression
Budget: 100 000\$ | Duration: 1 year
- **Fackson Mwale; John Antoniou:** CIHR Project grant Small molecule inhibitor of IL-1b signaling in degenerative disc disease
Budget: 734 400\$ | Duration 5 years

Notable Publications

1. Cherif, H., Mannarino, M., Pacis, A. S., Ragoussis, J., Rabau, O., **Ouellet, J. A., & Haglund, L.** (2022). Single-Cell RNA-Seq Analysis of Cells from Degenerating and Non-Degenerating Intervertebral Discs from the Same Individual Reveals New Biomarkers for Intervertebral Disc Degeneration. *International journal of molecular sciences*, 23(7), 3993.
2. Albagli, A., Ge, S. M., Park, P., Cohen, D., Epure, L., **Chaytor, R. E., & Volesky, M.** (2022). Total ankle arthroplasty results using fixed bearing CT-guided patient specific implants in posttraumatic versus nontraumatic arthritis. *Foot and ankle surgery : official journal of the European Society of Foot and Ankle Surgeons*, 28(2), 222–228.
3. Versteeg, A. L., Elkaim, L. M., Sahgal, A., Rhines, L. D., Sciubba, D. M., Schuster, J. M., Fehlings, M. G., Lazary, A., Clarke, M. J., Arnold, P. M., Bettgowda, C., Boriani, S., Gokaslan, Z. L., Fisher, C. G., **Weber, M. H., & AO Spine Knowledge Forum Tumor** (2022). Steroids in the Management of Preoperative Neurological Deficits in Metastatic Spine Disease: Results From the EPOSO Study. *Neurospine*, 19(1), 43–50.
4. **Tanzer, M.,** Laverdière, C., Barimani, B., & **Hart, A.** (2022). Augmented Reality in Arthroplasty: An Overview of Clinical Applications, Benefits, and Limitations. *The Journal of the American Academy of Orthopaedic Surgeons*, 30(10), e760–e768.
5. Suraci, A., Wood, G., **Tanzer, M.,** & Canadian Arthroplasty Society Investigators (2022). The Psychological Impact of COVID-19 on Arthroplasty Surgeons. *The Journal of arthroplasty*, 37(7S), S449–S456.
6. Schupbach, D., Honjol, Y., Bouklouch, Y., Merle, G., & **Harvey, E. J.** (2022). Acute Compartment Syndrome Modeling with Sequential Infusion Shows the Deep Posterior Compartment Is Not Functionally Discrete. *The Journal of bone and joint surgery. American volume*, 104(9), 813–820.
7. Rastinfard, A., Dalisson, B., & **Barralet, J.** (2022). Aqueous decomposition behavior of solid peroxides: Effect of pH and buffer composition on oxygen and hydrogen peroxide formation. *Acta biomaterialia*, 145, 390–402.
8. **Dimentberg, E.,** Barimani, B., Alqahtani, M., Tayara, B., Belzile, E., **Albers, A.** (2022). The incidence of hip dislocation after posterior approach primary total hip arthroplasty: comparison of two different posterior repair techniques. *Archives of Orthopaedic and Trauma Surgery*. 143(6):3605-3612.
9. Denis, A., Montreuil, J., **Reindl, R., Berry, G. K., Harvey, E. J., & Bernstein, M.** (2022). Time-to-Incision for Hip Fractures in a Canadian Level-1 Trauma Centre: Are We Respecting the Guidelines?. *Canadian geriatrics journal : CGJ*, 25(1), 57–65.

2022 Graduating Residents

RESIDENT	CURRENT POSITION
Saud Alfayez	Sports Medicine Fellowship at McGill
Mohammed Abdullah M. Alotaibi	Paediatric Orthopaedics, University of British Columbia – BC Children Hospital, Vancouver, BC
Bardia Barimani	Arthroplasty and Lower Extremity Reconstruction, University of Toronto, Mount Sinai Hospital
Jason Corban	Sports, University of Southern California Medical Centre (USC Keck School of Medicine), Los Angeles, California Shoulder/Elbow, New England Baptist Hospital/Beth Israel Deaconess Medical Centre (Tufts/Harvard Medical Schools), Boston, Massachusetts
Susan Mengxiao Ge	Foot & Ankle Fellowship, St. Paul's Hospital, University of British Columbia
Bayan Ghalimah	Hand & Wrist, University of Calgary, Calgary, Alberta



2022 Graduating Fellows

FELLOW	COMPLETED FELLOWSHIP
Abdullah Hussen A AlShahrani Ahmad Yousef AlMohammad	JGH Arthroplasty
Miltiadis Georgiopoulos Mohammad Hassani	Scoliosis & Spine
Suliman Mohammed Al-Shammari	MGH Orthopaedic Sports Medicine & Arthroscopy
Abdulaziz A.M. Abdullah	MGH Orthopaedic Sports Medicine & Arthroscopy Research & Clinical
Karla Teresa Araneta	Orthopaedic Oncology & Adult Reconstructive Surgery
Charles- Antoine Dion	MGH Orthopaedic Trauma
Mohamad Nasser Eddine	SMH Orthopaedic Arthroscopy
Yosif Mansor	SMH Arthroplasty
Sharbel Hitti	JGH Foot & Ankle

Plastic, Reconstructive and Aesthetic Surgery

The McGill University Health Centre Division of Plastic, Reconstructive and Aesthetic Surgery strives to provide state-of-the-art surgical care to our patients, combined with cutting edge research and innovation that continues to keep McGill Plastic, Reconstructive and Aesthetic Surgery as a leader in the field.

We have a diverse faculty and provide Plastic, Reconstructive and Aesthetic Surgery expertise in all of the subspecialty areas, including breast and oncologic reconstruction, burn surgery, pediatric and craniofacial surgery, hand and microsurgery, maxillofacial surgery and facial trauma, general plastic surgery and aesthetic surgery.

As a leader in surgical education, our residency training program attracts the finest trainees from across the country to participate in the complex, tertiary cases referred to our centre. Our division is proud to graduate three to four highly-trained Plastic Surgeons per year along with one Craniofacial Surgery subspecialty fellow. Combined with a highly productive and dedicated full-time research team and infrastructure, McGill Plastic, Reconstructive and Aesthetic Surgery oversees numerous MSc and

PhD students annually, and continues to produce a high volume of peer-reviewed publications and book chapters. Taken as a whole, McGill Plastic, Reconstructive and Aesthetic Surgery embodies the true nature of a high-level academic surgery program, encompassing innovative patient care, surgical education and training of future plastic surgeons, and pioneering research.



Department of Surgery

LEADERSHIP TEAM



Mirko Gilardino, MD
Division Director



Stephanie Thibaudeau, MD
Program Director



Anie Philip, PhD
Research Director

DIVISION HIGHLIGHTS



Albarra Algerian, MD
Lakeshore General Hospital

New Recruitment

The Division of Plastic, Reconstructive and Aesthetic Surgery is pleased to welcome Dr. Albarra Algerian.

Dr. Algerian has been recruited to the CIUSSS de l'Ouest de l'île de Montreal and will be based at the Lakeshore General Hospital. His expertise is in microsurgery and upper extremity trauma and treatment. He will be focusing on microsurgery and hand surgery including complex hand trauma.



Achievements

- Dr. Joshua Vorstenbosch was awarded the FRQS chercheur boursier-clinicien junior 1 award for his cutting edge research on implant biology. He is the first surgeon-scientist in the Division of Plastic, Reconstructive and Aesthetic Surgery to have received this honor. Congratulations!
- We have secured over \$1M in funding with the support of the Cedars and MGH Foundations to add specialized equipment required for the new McGill Surgical Lymphedema Program. This multidisciplinary team will add to the existing well-established MUHC Medical Lymphedema program and will be spear-headed on the Plastic, Reconstructive and Aesthetic Surgery front by Dr. Josh Vorstenbosch in conjunction with Drs. Meterissian and Towers.
- Dr. Gilardino became a Director on the board of the Canadian Society of Plastic Surgeons

Notable Publications

1. Safran, T., Abi-Rafteh, J., **Viezel-Mathieu, A., Vorstenbosch, J., & Dionisopoulos, T.** (2023). Direct-to-Implant, Prepectoral Breast Reconstruction: Geometric Breast Measurements and Changes at 2-Year Follow-Up. Plastic and reconstructive surgery, 151(6), 899e–906e.
2. **Lessard, L., & Zammit, D.** (2022). The U-Turn Tournedos (UTT) Flap: A Technical Surgical Evolution for Deep Complex Calvarial Defects. The Journal of craniofacial surgery, 33(3), 935–938.
3. Deblois, S., Zhu, L., Mastropasqua, B., **Thibaudeau, S.**, Ziegler, D., & Pomp, A. (2022). The clinical effectiveness and safety of intravenous unfractionated heparin following digital replantation and revascularization: A narrative systematic review. Microsurgery, 42(6), 622–630.
4. Zhou, S., Hassan, A., Kungyal, T., Tabariès, S., Luna, J.L.R.G., Siegel, P.M., **Philip, A.** (2022). CD109 Is a Critical Determinant of EGFR Expression and Signaling, and Tumorigenicity in Squamous. Cell Carcinoma Cells. Cancers (Basel), 14(15):3672.
5. Abi-Rafteh, J., Jaber, M., Cattelan, L., Algerian, A., **Gilardino, M.S.** (2022) Soft-Tissue Reconstruction in Progressive Hemifacial Atrophy: Current Evidence and Future Directions. Plast Reconstr Surg, 150(3):607–617.

2022 Graduating Residents

RESIDENT	CURRENT POSITION
Ahmed Al-Qattan	Breast Reconstruction Fellowship
Roy Kazan	Body Contouring and Aesthetics
Dino Zammit	Craniofacial Fellowship
Rafael Vilela Galli	Staff position at St Mary's and St Hyacinthe's hospitals
Dr Mehrad Mojtahed Jaber	Aesthetic Fellowship at the University of Toronto

2022 Graduating Fellows

FELLOW	COMPLETED FELLOWSHIP
Abdulaziz Alabdulkarim	Plastic Surgery

Thoracic Surgery

The McGill University Health Centre Division of Thoracic Surgery strives to provide advanced surgical care to our patients, combined with cutting edge research and innovation that continues to keep McGill Thoracic Surgery as a global leader in the field.

We have a diverse faculty and provide Thoracic Surgery expertise for a wide range of malignant and non-malignant lung, chest, esophageal and gastric diseases. Thoracic Surgery is also recognized for being a leader in many of these fields across North American and Internationally. With its supra-regional mandate, the Division's program provides comprehensive care to Lung, Esophagus and Stomach Cancer patients residing on the McGill RUIS (Réseau universitaire intégré de santé) territory, and is home to the largest and most comprehensive esophageal and gastric cancer program in Canada.

This Division has been privileged to develop an internationally-recognized expertise in Thoracic

and Upper G.I. Surgery, but is first and foremost an academic surgical unit, with half of the attending surgeons holding PhDs, and all trainees involved in research with approximately 15-20 publications annually. As an affiliate of the McGill University School of Medicine, the service functions as an active clinical teaching unit for residents, fellows and medical students, and is widely regarded for its robust clinical and basic science research productivity. It is the only program in the province to receive the Minister of Health's Level 4 designation for Lung Cancer, and as a result it offers the highest level of integrated patient care, research, and education in Quebec.



Lorenzo E. Ferri, MD, PhD
Division Director
Thoracic Surgery

DIVISION HIGHLIGHTS



McGill Annual Symposium on Upper-Gastrointestinal Cancers – October 2022

The Division of Thoracic Surgery hosted a very successful Annual Symposium on Upper-Gastrointestinal Cancers in October 2022 – the largest since its beginning 5 years ago with 13 guest speakers and over 100 guests. The 2023 Symposium will be held on Saturday October 28th and is sure to be bigger and better than ever.

www.mcgill.ca/thoracic/symposium

From left to right – Back row Dr. Serge Mayrand, Dr. Joanne Alfieri, Dr. Thierry Alcindor, Dr. Donald Low, Dr. Jelena Lukovic, Dr. Lorenzo Ferri, Dr. Wayne Hoffsetter, Dr. Mark van Berge Henegouwen, Dr. Jonathan Yeung, Dr. Steven Lin, and Dr. Robert Bechara

Seated: Dr. Frédéric Lemay, Ms. Ekaterina Kosyachkova, Dr. Suzanne Gisberts, Dr. Samuel Klempner, Ms. Teresa Tiano, and Dr. Andrew Seely

Notable Publications

- Forde, P. M., **Spicer, J.**, Lu, S., Provencio, M., Mitsudomi, T., Awad, M. M., Filip, E., Broderick, S. R., Brahmer, J. R., Swanson, S. J., Kerr, K., Wang, C., Ciuleanu, T. E., Saylor, G. B., Tanaka, F., Ito, H., Chen, K. N., Liberman, M., Vokes, E. E., Taube, J. M., ... CheckMate 816 Investigators (2022). Neoadjuvant Nivolumab plus Chemotherapy in Resectable Lung Cancer. *The New England journal of medicine*, 386(21), 1973–1985.
- Tankel, J., Söderström, H., Reizine, E., Artho, G., Calderone, A., **Mueller, C., Najmeh, S., Spicer, J., Ferri, L., & Cools-Lartigue, J.** (2022). Change in Density Not Size of Esophageal Adenocarcinoma During Neoadjuvant Chemotherapy Is Associated with Improved Survival Outcomes. *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract*, 26(12), 2417–2425.
- **Cools-Lartigue, J.**, Markar, S., **Mueller, C.**, Hofstetter, W., Nilsson, M., Ilonen, I., Soderstrom, H., Rasanen, J., Gisbertz, S., Hanna, G. B., Elliott, J., Reynolds, J., Kisiel, A., Griffiths, E., Van Berge Henegouwen, M., & **Ferri, L.** (2022). An International Cohort Study of Prognosis Associated With Pathologically Complete Response Following Neoadjuvant Chemotherapy Versus Chemoradiotherapy of Surgical Treated Esophageal Adenocarcinoma. *Annals of surgery*, 276(5), 799–805.
- Schmid, S., Minnella, E. M., Pilon, Y., Rokah, M., Rayes, R., **Najmeh, S., Cools-Lartigue, J., Ferri, L., Mulder, D., Sirois, C., Owen, S., Shieh, B., Ofiara, L., Wong, A., Sud, S., Baldini, G., Carli, F., & Spicer, J.** (2022). Neoadjuvant Prehabilitation Therapy for Locally Advanced Non-Small-Cell Lung Cancer: Optimizing Outcomes Throughout the Trajectory of Care. *Clinical lung cancer*, 23(7), 593–599.
- Alkaaki, A., Abo Al-Saud, A., Di Lena, É., Ramirez-GarciaLuna, J. L., **Najmeh, S., Spicer, J., Ferri, L., Mulder, D., Sirois, C., & Cools-Lartigue, J.** (2022). Factors predicting recurrence in thymic epithelial neoplasms. *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*, 62(5), ezac274.
- Tankel, J., Calderone, A., Garcia-Luna, J. L. R., Mueller, C. L., **Najmeh, S., Spicer, J., Mulder, D., Ferri, L., & Cools-Lartigue, J.** (2022). Changes in Perioperative Platelet Lymphocyte Ratio Predict Survival in Oesophago-Gastric Adenocarcinoma. *Annals of surgical oncology*, 10.1245/s10434-022-11475-7. Advance online publication.

2022 Graduating Fellow

FELLOW

Merav Rokah

COMPLETED FELLOWSHIP

Advanced Thoracic and Upper GI Surgical Oncology



Urology

The Division of Urology is composed of 22 urologists, five PhDs and a dynamic training program with residents and fellows.

Our Division continued to be very productive academically with 125 publications. Our urologic research team, composed of clinician-scientists, is supported by five full-time academic researchers having once again secured many sizeable operating grants and continued expansion of their national and international research collaborations. Dr. David Labbé was promoted to Associate Professor and obtained the prestigious William Dawson Scholarship award.

We were pleased to welcome three new recruits in 2022 to complete our team. Drs. Fadl Hamouche and Alexis Rompré-Brodeur joined the RVH, while Dr. Jas Singh joined the JGH team. These recruits

will contribute to enhance existing expertise and help further position our group as one of the leading academic Urology Divisions in Canada. Our different hospitals continue to serve as important referral centers for complex tertiary urological pathology in oncology, reconstructive urology and BPH, stone disease, functional urology, infertility, and pediatrics. We continue to be at the forefront of clinical and research innovation and promote interdisciplinary integrated care. Many of our members also hold important leadership positions at the local, national, and international level.



LEADERSHIP TEAM



Simon Tanguay, MD
Division Director



Mohamed El Sherbini, MD
Program Director
Urology



Mélanie Aubé-Peterkin, MD
Assistant Program Director
Urology



Simone Chevalier, PhD
Research Director

DIVISION HIGHLIGHTS

New Recruitment



Dr Fadl Hamouche
MUHC-GLEN

Dr. Hamouche started his medical education at Université Paris-Saclay in Paris, France before joining the University of Sherbrooke, Qc where he graduated in 2015. He then completed his Urology residency training at McGill University where he developed an interest in kidney stone disease. In 2020, he pursued a society-accredited fellowship in Endourology at UCSF with a focus on Ultrasound-guided percutaneous surgeries, benign prostatic hyperplasia, prostate enucleation procedures, and ureteral reconstruction. He is also an MPH candidate at the Johns Hopkins Bloomberg school of Public Health where he currently pursues his masters degree with an interest in health policies and health economics.

His clinical practice covers all aspects of kidney stone disease management, voiding dysfunction and ureteral reconstruction.

New Recruitment *continued*



Dr. Alexis Rompré-Brodeur
MUHC-GLEN

Dr. Alexis Rompré-Brodeur completed a bachelor in biochemistry with honors and his medical school at Université de Montréal. He later pursued his residency training in urology at McGill University before joining the National Cancer Institute of the National Institutes of Health (NIH) in Maryland, for his Society of Urologic Oncology (SUO) fellowship.

He is currently finalizing a master's degree in health sciences from the Clinical Research Training Program at Duke University, North Carolina. His research focus is on clinical trials and network meta-analyses.

His clinical practice covers all urologic cancers with a research interest in clinical trials, hereditary & genetically defined renal cancer syndromes, metastatic renal cancer, high-risk prostate cancer and metabolic imaging.



Dr Jasgurpreet Singh
JGH

Dr. Singh was born and raised in Winnipeg, Manitoba where he completed a Bachelor of Science degree in biochemistry at the University of Winnipeg. He then completed medical school and urology residency training at the University of Manitoba. Following royal college certification, he completed further subspecialty specialization in functional and reconstructive urology at The University of Texas MD Anderson Cancer Center in Houston, Texas.

Dr. Singh specializes in complex urinary tract reconstruction including genitourinary cancer survivor patients suffering from the devastating urinary tract complications following radiation therapy or radical surgery.

Achievements

- **Dr. Armen Aprikian**, became President of the Canadian Urological Association
- **Dr. Armen Aprikian** and **Dr Simone Chevalier**, obtained a \$2.6 million grant to study the Molecular Characterization of Lethal Prostate Cancer from the Terry Fox Marathon of Hope
- **Dr David Labbé** was awarded a William Dawson Scholarship and a Tenured Tract position by McGill University. He obtained peer reviewed operating grants as Principal investigator from the CIHR and the DoD for a total of \$3.8 million dollars.
- **Dr. Mélanie Aubé Peterkin**, completed her Master of Health Professions Education (MHPE) from Maastricht University.
- **Dr. Rafael Sanchez Salas**, became an International Member of the Association of Academic European Urologists and a Honorary Member of the Sociedad Urologica de Panama.
- **Dr. Serge Carrier**, received the Presidential Rosette from the Society of Sexual Medicine of North America in recognition for his outstanding contribution to the Society.
- **Dr. Simon Tanguay**, received the Félix-Guyon Medal from the Société Internationale d'Urologie.
- **Dr. Jacques Lapointe**, was awarded an operating grant from the Cancer Research Society for his research project entitled "Exploring the role of exomeres and supermeres in prostate cancer"

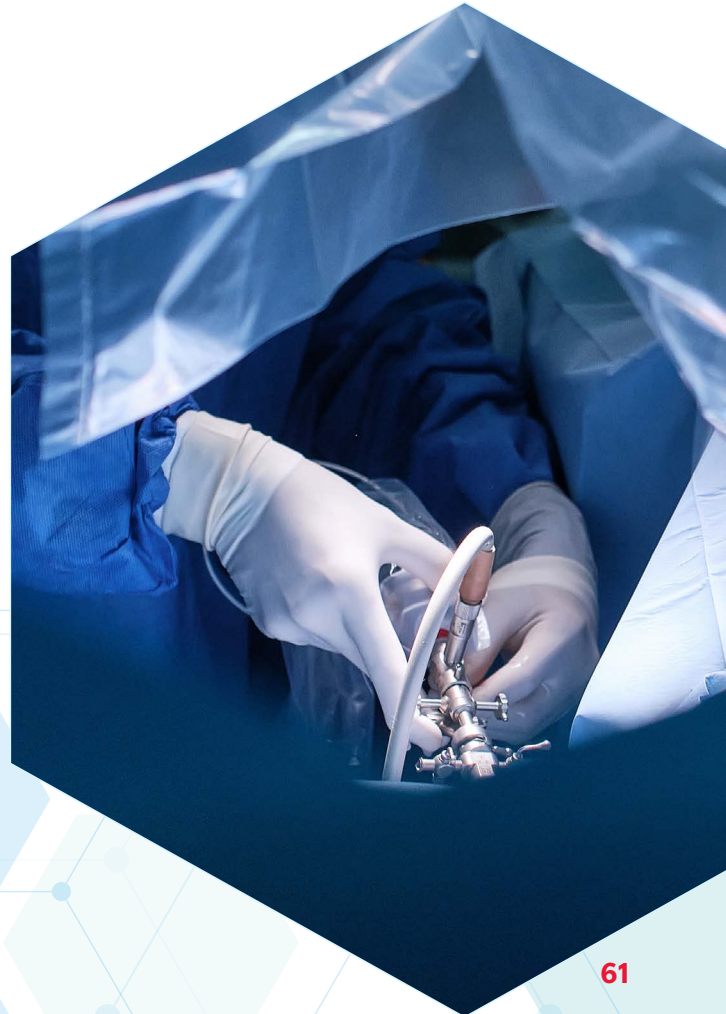
- **Dr Cristian O'Flaherty** was awarded a four-year Operating Grant from the Ministry for Science and Innovation (MICINN), Spain as a Co-applicant for the research project entitled: "Regulation of the switch between glycolysis and the pentose phosphate pathway: reprogramming energetic metabolism to improve current techniques of stallion sperm conservation".

Academic Promotions

- **Dr David Labbé**
Associate Professor

FRQS Salary Award

- **Dr David Labbé**
FRQS chercheur boursier Junior 2



Notable Publications

- Bramhecha, Y. M., Guérard, K. P., Audet-Walsh, É., Rouzbeh, S., Kassem, O., Pernet, E., Scarlata, E., Hamel, L., Brimo, F., Divangahi, M., **Aprikian, A. G., Chevalier, S., Giguère, V., & Lapointe, J.** (2022). Fatty acid oxidation enzyme 3, 2-enoyl-CoA isomerase 1 (EC11) drives aggressive tumor phenotype and predicts poor clinical outcome in prostate cancer patients. *Oncogene*, 41(20), 2798–2810.
- Derderian, S., Vesval, Q., Wissing, M. D., Hamel, L., Côté, N., Vanhuyse, M., Ferrario, C., Bladou, F., **Aprikian, A., & Chevalier, S.** (2022). Liquid biopsy-based targeted gene screening highlights tumor cell subtypes in patients with advanced prostate cancer. *Clinical and translational science*, 15(11), 2597–2612.
- Qiu, X., Boufaied, N., Hallal, T., Feit, A., **de Polo, A.**, Luoma, A. M., Alahmadi, W., Larocque, J., Zadra, G., Xie, Y., Gu, S., Tang, Q., Zhang, Y., Syamala, S., Seo, J. H., Bell, C., O'Connor, E., Liu, Y., Schaeffer, E. M., Jeffrey Karnes, R., ... **Labbé, D. P.** (2022). MYC drives aggressive prostate cancer by disrupting transcriptional pause release at androgen receptor targets. *Nature communications*, 13(1), 2559.
- **Aubé-Peterkin, M., Ehlebracht, A., & Petrella, F.** (2022). Feedback and formative assessment in Competency by Design The experience of residents and supervisors within a urology training program. *Canadian Urological Association journal = Journal de l'Association des urologues du Canada*, 17(4), 94–100.
- Cammisotto, P. G., Mossa, A. H., **Shamout, S., & Campeau, L.** (2022). Urinary Levels of miR-491-5p and miR-592 as Potential Diagnostic Biomarkers in Female Aging Patients with OAB: A Pilot Study. *Metabolites*, 12(9), 820.
- Meylan, M., Petitprez, F., Becht, E., Bougoüin, A., Pupier, G., Calvez, A., Giglioli, I., Verkarre, V., Lacroix, G., Verneau, J., Sun, C. M., Laurent-Puig, P., Vano, Y. A., Elaidi, R., Méjean, A., **Sanchez-Salas, R.**, Barret, E., Cathelineau, X., Oudard, S., Reynaud, C. A., ... Fridman, W. H. (2022). Tertiary lymphoid structures generate and propagate anti-tumor antibody-producing plasma cells in renal cell cancer. *Immunity*, 55(3), 527–541.e5.
- **Marcq, G.**, Evaristo, G., Kool, R., Shinde-Jadhav, S., Skowronski, R., **Mansure, J. J.**, Souhami, L., Cury, F., Brimo, F., & **Kassouf, W.** (2022). Impact of Programmed Death-ligand 1 Expression on Oncological Outcomes in Patients with Muscle-invasive Bladder Cancer Treated with Radiation-based Therapy. *European urology open science*, 43, 14–21.
- Bumanlag, E., Scarlata, E., & **O'Flaherty, C.** (2022). Peroxiredoxin 6 Peroxidase and Ca²⁺-Independent Phospholipase A2 Activities Are Essential to Support Male-Mouse Fertility. *Antioxidants (Basel, Switzerland)*, 11(2), 226.
- **Dragomir, A.**, Nazha, S., **Tanguay, S.**, Breau, R. H., Bhindi, B., Rendon, R. A., Kapoor, A., Hotte, S. J., Basappa, N., Fairey, A., So, A. I., Kollmannsberger, C., Finelli, A., Hansen, A., Canil, C., Heng, D., Lattouf, J. B., Bjarnason, G., Power, N., Pouliot, F., ... Wood, L. A. (2022). Outcomes of Cytoreductive Nephrectomy for Patients with Metastatic Renal Cell Carcinoma: Real World Data from Canadian Centers. *European urology focus*, 8(6), 1703–1710.

2022 Graduating Residents

RESIDENT	CURRENT POSITION
Cora Fogaing	Fellowship training in Reconstructive Urology at the Kulkarni Reconstructive Center in Pune, India
Côme Tholomier	Fellowship training in Urologic Oncology at the MD Anderson Cancer Center in Houston, Texas, USA
Benjamin Legault	Community practice at the CISSS-des-Laurentides

2022 Graduating Fellows

FELLOW	COMPLETED FELLOWSHIP
Manuel Belmonte Chico Goerne	Sexual Medicine/Male Genito-urinary Dysfunction and Reconstructive Urology



Vascular Surgery

The McGill Division of Vascular Surgery is comprised of 10 vascular surgeons. Drs. Kent MacKenzie, Oren Steinmetz, Heather Gill and Robert Doonan, all based at the MUHC Glen Site, provide Vascular Surgery services for all pavilions of the MUHC, while Drs. Daniel Obrand, Jason Bayne and Elie Girsowicz practice primarily at the Jewish General Hospital.

All seven of these surgeons work in a collaborative manner across the two hospital systems and provide on-call consultancy service with back-up to both sites. Drs. Stephen Hanley and Patrice Nault each provide Vascular Surgical care for a large patient population at the Hôpital de Hull, CISSS de l'Outaouais, Gatineau, Québec, and Dr. Carl Emond continues to practice Vascular Surgery at St. Mary's Hospital in Montreal.

All surgeons participate in the education of medical students, surgery residents and vascular surgery trainees. All of our sites currently offer comprehensive vascular surgical care with the MUHC being the primary site for open thoracic and thoracoabdominal aneurysm surgery and we collaborate with cardiac surgery to provide complex hybrid endo, open repair of select aortic arch pathology. The surgeons at the MUHC and the JGH have an extensive endovascular aortic and peripheral practice, including the treatment of PVD, aortic aneurysm, aortic dissection and aortic

trauma. The JGH site has a concentrated practice for advanced endovascular aortic repair, with a large institutional experience in branched (BEVAR) and fenestrated (FEVAR) endovascular aneurysm repair.

The Division supports a well-respected Vascular Surgery Residency program and internally funds an Advanced Aortic and Peripheral Endovascular Fellowship. Graduates from both training programs have become leaders in Vascular Surgery, both in Canada and Internationally. The Division remains proactive in advancing its research mission. We've increased the allocation of internal Division funds to fund two full-time research coordinators, and have directed and supported specific recruitment strategies to enhance our research productivity. This has resulted in a step-wise increase in annual peer-reviewed publications, awards and grant success.

Our current research focus is on clinical outcomes in aortic surgery, peripheral endovascular intervention, as well as the assessment of Frailty and the use of



Prehabilitation in the vascular surgery population. Dr. Heather Gill currently co-supervises Ph.D candidate, Dr Miquel Coco-Martinez's work on Prehabilitation in Vascular Surgery Patients. All our current residents and fellows are involved in investigator-initiated research under the expert supervision of our Faculty members. The Endovascular Simulation Center at the JGH is led by Vascular Surgery in collaboration with cardiac surgery and cardiology. This has become a key unit for the Division regarding education and research activities in simulation. Formal monthly endovascular simulation sessions are now included as part of the vascular surgery residents' curriculum. During 2020's response to the challenges of the COVID-19 pandemic, the Division of Vascular Surgery established a new online visiting speaker program. Thus far we have hosted 13 exceptional speakers from around the world. By using Social Media to advertise and offer attendance to a broader group

of vascular surgeons from other sites across North America and the world, this speaker series has garnered interest both within the broader McGill community and globally. This new initiative continues moving forward and we expect to welcome many more of our trusted colleagues from around the world. Now that in-person academic sessions have been reinstated, we hope to welcome our visiting speakers to Montreal in the near future.



LEADERSHIP TEAM



Kent MacKenzie, MD
Division Director



Jason Bayne, MD
Program Director



Heather Gill, MD
Research Director



Elie Girsowicz, MD
Simulation Director

DIVISION HIGHLIGHTS

New Recruitment



Dr. Robert Doonan

Dr. Robert Doonan started on staff as Faculty in Vascular Surgery at McGill and the MUHC on September 1, 2022. He completed an Aortic Fellowship in Liverpool, UK and as a Clinician Investigator he will focus on aortic pathology and aortic surgery. Welcome aboard!

Achievements

Dr. Heather Gill

CIHR project grant: The PREHAAAB Trial: Multimodal prehabilitation for patients awaiting open Abdominal Aortic Aneurysm repair – An international randomized controlled trial

Budget: 692 325\$

Duration: 4 years

Dr. Heather Gill completed her term as Chair of the CSVS Research Chair and has been nominated as the 2022 CSVS President-Elect and will become President of the CSVS in Sept 2023.

Dr. Ahmed Naiem was awarded the 2022 'Kent MacKenzie Award for Educational Leadership and Surgical Excellence', June 2022.

Dr. Anna Kinio (Resident PGY-3)

- Awarded a SSP Operational Grant in the amount of \$12,640.00 for her project "Impact of Strict Glycemic Control on Surgical Site Infection Rates in Vascular Surgery". December 2022.
- Selected for full manuscript submission for the Annals of Vascular Surgery Women's Issue (Publication in September 2023) – Abstract titled: Perioperative Glycemic Surveillance and Control – Current Practices, Efficacy and Impact on Post-Operative Outcomes following Infra-inguinal Vascular Intervention
- Recipient of the Canada Graduate Scholarship Masters Award for her work "Impact of strict peri-operative glycemic control on surgical wound complication rates in vascular Surgery", 2022.
- Recipient of the Association Chirurgie Vasculaire et Endovasculaire (ACVEQ) Bourse Henri-Paul Noel for: "Impact of strict peri-operative glycemic control on surgical wound complication rates in vascular Surgery", May 2022.

Dr. Angela Kim, (Resident PGY-2)

- Awarded the CSVS Resident Research Award for her project entitled: "Optimal Management of Infrainguinal Chronic Limb Threatening Ischemia in Patients Lacking Consensus on Initial Revascularization Strategy", Sept 2022.
- Recipient of the Canada Graduate Student Scholarship Masters Award for her work on: "Safety and feasibility of same-day discharge following carotid endarterectomy", 2022.
- Recipient of the Canadian Society for Vascular Surgery 'Best Resident Presentation' for her presentation: "Timing of complications following carotid endarterectomy for symptomatic and asymptomatic carotid stenosis", Sept 2022.

Dr. Sreedharan Kanathasan (Resident PGY-3)

- Appointed as Author, Junior Reviewer and Junior Editor for the Society of Vascular Surgery's Audible Bleeding Podcast. He has been involved in the production of the following past and upcoming Podcast episodes and or series:
 1. "You've matched to Vascular Surgery..Now what?"
 2. "Vascular surgeon involvement in contemporary oncologic resections"
 3. "Controversies in surgical treatment for venous thoracic outlet syndrome"
 4. "Vascular Origins Stories: Vascular Offspring Stories"
- Appointed Co-Editor of the 'Association of Program Directors in Vascular Surgery Medical Student Vascular Surgery Curriculum Book'. He will also co-author for the book's section on Thoracic Outlet Syndrome.

Joanne Abi-Jaoude (MS 4): Winner of the 2022 CSVS National Student Research Award for: "The Influence of Resources and Job Demands on Burnout, Work Engagement, and Job Satisfaction in the Canadian Vascular Surgery Workforce" – Supervisor Dr. Elie Girsowicz

Invited Presentations

- **Dr. Anna Kinio** presented 'Technical Challenges Following Redo Aortic Surgery' at the CARVE (Clinically Relevant Vascular and Endovascular Surgery) Meeting in Lake Tahoe, California, January 2023. Supervisors, Dr. RJ Doonan and Dr. Kent MacKenzie.
 - **Dr. Jason Bayne** was an invited speaker at the 2022 National Capital Vascular Symposium, October 15, 2022; Ottawa, Canada: "Common Femoral Artery Angioplasty/Stenting: This cannot be a good idea, can it...?"
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Notable Publications

- **Abi-Jaoudé, J. G., Naïem, A. A., Edwards, T., Lukaszewski, M. A., Obrand, D. I., Steinmetz, O. K., Bayne, J. P., MacKenzie, K. S., Gill, H. L., & Girsowicz, E.** (2022). Comorbid Depression is Associated with Increased Major Adverse Limb Events in Peripheral Arterial Disease: A Systematic Review and Meta-analysis. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*, 64(1), 101-110.
 - **Doonan, R. J., Bin-Ayeed, S., Charbonneau, P., Hongku, K., Mackenzie, K., Steinmetz, O., Bayne, J., Abraham, C., Obrand, D., Girsowicz, E., & Gill, H. L.** (2022). Mortality and Major Adverse Events Improve With Increased Institutional Experience for Fenestrated and Branched Endovascular Aortic Repair. *Journal of endovascular therapy : an official journal of the International Society of Endovascular Specialists*, 29(5), 746-754.
 - **Naïem, A. A., Doonan, R. J., Steinmetz, O. K., MacKenzie, K. S., Girsowicz, E., Bayne, J. P., Obrand, D. I., & Gill, H. L.** (2022). Outcomes of endovascular treatment of patients with intermittent claudication due to femoropopliteal disease. *Vascular*, 30(5), 882-890.
 - **Naïem, A. A., Kim, A. Y., Mahmoud, I., & Gill, H. L.** (2022). A systematic review and meta-analysis evaluating the impact of obesity on outcomes of abdominal aortic aneurysm treatment. *Journal of vascular surgery*, 75(4), 1450-1455.e3.
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2022 Graduating Residents

RESIDENT	CURRENT POSITION
Mohammed Habib	One year advanced aortic endovascular fellowship at Uppsala University in Sweden

2022 Graduating Fellows

FELLOW	COMPLETED FELLOWSHIP
William de Jong	Advanced Aortic and Peripheral Endovascular





McGill

Department of
Surgery