



OTTAWA ORTHOPAEDICS QUARTERLY

Let us *Move You!*
Notre vie n'est que *mouvement!*

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“Be kind whenever possible. It is always possible.”

~Dalai Lama



Steven R. Papp MD MSc FRCS
Interim Head, Division of Orthopaedic Surgery
University of Ottawa

As we all know, our division is stronger than ever and a lot of our initiatives and successes are under the unrelenting effort of our previous Division Lead, **Dr Paul Beaulé**. On behalf of the division, I do not think I can thank him enough for his efforts and successes over the past seven years. I have taken on the role as Interim Head of the division for a term of one year with a formal search and new permanent Division Head to be selected in the fall 2022. I will do my best to keep our divisional goals moving as we all know *“If you ain't first, you're last”* (Ricky Bobby)!

Our orthopaedic group has been tested again through this most recent wave of the COVID-19 pandemic. The omicron variant proved to be more contagious and we had many people infected or affected by this wave. I want to thank everyone, **our staff surgeons, fellows, residents and administration staff** for pulling together, covering each other's shifts, trading clinical duties, converting to virtual care where possible and continuing to deliver world-class care to our patients. Despite these challenging times, I am impressed by all the accomplishments of our division.

We all hope that life, both at work and at home, will return closer to normal in the coming months. I want to thank **Dr. J Pollock** for taking on the important role at the department level as the Director of Wellness. This is not something a surgical group has really discussed in the past. I think we are all learning how important it is not only for our own well-being but for our performance at work to take care of ourselves. I hope you will all take this seriously. I know I will.

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APPROVAL OF A SPINE PROGRAM SSI PREVENTION BUNDLE PROJECT

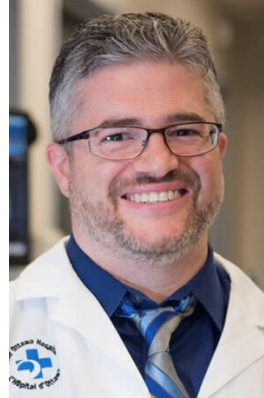
Our congratulations to **Dr. Paul Beaulé**, **Dr. Stephen Kingwell** and **Dr. Adam Sachs** (Division of Neurosurgery) for their successful lobbying and approval of this project.



Dr. Paul Beaulé



Dr. Stephen Kingwell



Dr. Adam Sachs

The pilot will introduce an exciting new technology:

[**Steriwave™ Nasal Decontamination**](#)

The Ottawa Hospital Patient Safety Star Award



The Patient Safety Star program is dedicated to recognizing employees who regularly go above and beyond expectations to contribute to patient safety.

Congratulations to **Dr. Randa Berdusco**, one of the award recipients, along with Drs. Tim Brandys, Brian Drake, Martin Friedlich, Jad Abou Khalil, Roy Masters, Moein Momtazi, Reilly Musselmen, Michael Odell, Humberto Vigil and James Villeneuve.



"Spine Program SSI Prevention Bundle Project approved!"

Our congratulations to Dr. Paul Beaulé for being awarded the Department of Surgery 2021 Research Mentor of the Year award and to Holly Livock, recipient of the Research Personnel of the Year award



Dr. Paul Beaulé



Holly Livock (CHEO)

COA representative on the AAOS Board of Councilors (BOC)

Dr. Paul Beaulé accepted the nomination to represent the COA and the AAOS Board of Councilors.

Ongoing success with our association with the Wenzhou Medical University and Yuying Children's Hospital

As we all know in Ottawa, **Dr. Alan Giachino**, our former Chairman and Health Volunteers Overseas (HVO) Program Director for Wenzhou, China, shared his expertise and provided mentorship and networking opportunities to many medical practitioners in Asia. This led to a lasting relationship where fellows from Wenzhou came to Ottawa for training and many of our surgeons visited Wenzhou.

The program has let us know that the total number of orthopaedic papers in 2021 published in international journals by the Wenzhou Medical University and Yuying Children's Hospital ranked 15th in the world and 5th in China. Congratulations to Dr. Giachino on this long-standing legacy!



Fun fact...

CHEO was named by Newsweek magazine the 113th best orthopaedic clinic in the world!

<https://www.newsweek.com/worlds-best-specialized-hospitals-2022/orthopedics>

Appointment of Dr. Mazen Ibrahim in the Clinical Epidemiology Program (CEP)



Congratulations to **Dr. Ibrahim** for being appointed as a Clinician Investigator in the Clinical Epidemiology Program (CEP) at the Ottawa Hospital Research Institute (OHRI) for a three-year term.



1: The Toddler's Fracture

Author(s): Wang Y, Doyle M, Smit K, Varshney T, Carsen S.
Pediatr Emerg Care. 2022 Jan 1;38(1):36-39. doi: 10.1097/PEC.0000000000002600. PMID: 34986580.

2: Treatment of Rotator Cuff Tears: A Systematic Review and Meta-Analysis

Author(s): Lapner P, Henry P, Athwal GS, Moktar J, McNeil D, MacDonald P; Canadian Shoulder and Elbow Society (CSES).
J Shoulder Elbow Surg. 2021 Dec 11; S1058-2746(21)00830-2. doi: 10.1016/j.jse.2021.11.002. Online ahead of print. PMID: 34906681.

3: Does Surgical Approach Influence the Natural History of the Unstable Total Hip Replacement?

Author(s): Dion CA, Schmidt-Braekling T, Falsetto A, Kreviazuk C, Beaulé PE, Grammatopoulos G.
J Arthroplasty. 2021 Dec 17; S0883-5403(21)00947-5. doi: 10.1016/j.arth.2021.12.012. Online ahead of print. PMID: 34923093.

4: Integrating the Combined Sagittal Index Reduces the Risk of Dislocation Following Total Hip Replacement

Author(s): Grammatopoulos G, Falsetto A, Sanders E, Weishorn J, Gill HS, Beaulé PE, Innmann MM, Merle C.
J Bone Joint Surg Am. 2021 Nov 12. doi: 10.2106/JBJS.21.00432. Online ahead of print. PMID: 34767540.

5: Flexion contracture is associated with knee joint degeneration on magnetic resonance imaging: data from the Osteoarthritis Initiative

Author(s): Campbell TM, Trudel G, Conaghan PG, Reilly K, Feibel RJ, McGonagle D.
Clin Exp Rheumatol. 2021 Nov 3. Online ahead of print. PMID: 34796841.

6: Femoral stem neck geometry determines hip range of motion shape: a computer simulation study

Author(s): Eslam Pour A, Lazennec JY, Patel KP, Anjaria MP, Beaulé PE, Schwarzkopf R.
Bone Joint Res. 2021 Dec; 10(12):780-789. doi: 10.1302/2046-3758.1012. BJR-2021-0273.R1. PMID: 34881638.

7: Descriptive Epidemiology from the Research in Osteochondritis Dissecans of the Knee (ROCK) Prospective Cohort

Author(s): Nissen CW, Albright JC, Anderson CN, Busch MT, Carlson C, Carsen S, Chambers HC, Edmonds EW, Ellermann JM, Ellis HB Jr, Erickson JB, Fabricant PD, Ganley TJ, Green DW, Grimm NL, Heyworth BE, Po JHH, Kocher MS, Kostyun RO, Krych AJ, Latz KH, Loveland DM, Lyon RM, Mayer SW, Meenen NM, Milewski MD, Myer GD, Nelson BJ, Nepple JJ, Nguyen JC, Pace JL, Paterno MV, Pennock AT, Perkins CA, Polousky JD, Saluan P, Shea KG, Shearier E, Tompkins MA, Wall EJ, Weiss JM, Willimon SC, Wilson PL, Wright RW, Zbojniec AM, Carey JL; ROCK Group.
Am J Sports Med. 2022 Jan; 50(1):118-127. doi: 10.1177/03635465211057103. Epub 2021 Nov 24. PMID: 34818065.

8: Coronal deformity angular ratio as a predictive factor for in-brace curve correction and long-term outcome of brace treatment in adolescents with idiopathic scoliosis

Author(s): Babaee T, Kamyab M, Ganjavian MS, Rouhani N, Khorramrouz A, Jarvis JG.
Spine Deform. 2022 Jan 16. doi: 10.1007/s43390-021-00452-x. Online ahead of print. PMID: 35034344.

9: Shape of the association between preoperative hemoglobin level and postoperative outcomes in patients undergoing primary arthroplasty

Author(s): Grammatopoulos G, McIsaac DI, Beaulé PE, van Walraven C.
Can J Surg. 2022 Jan 18; 65(1):E25-E37. doi: 10.1503/cjs.020720. Print 2022 Jan-Feb. PMID: 35042718.

10: Body mass index affects outcomes after vertebral body tethering surgery

Author(s): Mishreky A, Parent S, Miyanji F, Smit K, Murphy J, Bowker R, Al Khatib N, El-Hawary R; Pediatric Spine Study Group.
Spine Deform. 2022 Jan 11. doi: 10.1007/s43390-021-00455-8. Online ahead of print. PMID: 35013996.

11: Minimizing misclassification bias with a model to identify acetabular fractures using health administrative data: A cohort study.

Author(s): Adamczyk A, Grammatopoulos G, van Walraven C.
Medicine (Baltimore). 2021 Dec 30; 100(52): e28223. doi: 10.1097/MD.00000000000028223. PMID: 34967356.

12: Small Random Angular Variations in Pelvic Tilt and Lower Extremity Can Cause Error in Static Image-Based Preoperative Hip Arthroplasty Planning: A Computer Modeling Study.

Author(s): Eslam Pour A, Lazennec JY, Patel KP, Anjaria MP, Beaulé PE, Schwarzkopf R.
Clin Orthop Relat Res. 2022 Jan 11. doi:10.1097/CORR.0000000000002106. Online ahead of print. PMID: 35014975.

13: Urinary catheter use in patients with hip fracture: Are current guidelines appropriate? A retrospective review.

Author(s): Thomas S, Harris N, Dobransky J, Grammatopoulos G, Gartke K, Liew A, Papp S.
Can J Surg. 2021 Nov 25; 64(6):E630-E635. doi: 10.1503/cjs.014620. Print 2021 Nov-Dec. PMID: 34824151.

14: Do acetabular parameters measured on 2D imaging correlate with CT, and can lateral centre-edge angle predict femoral head coverage?

Author(s): Salih S, Grammatopoulos G, Burns S, Hall-Craggs M, Witt J.
Bone Jt Open. 2022 Jan ;3(1):12-19. doi: 10.1302/2633-1462.31.BJO-2021-0130.R1. PMID: 34985308.



Research in Progress Day Visiting Professor November 24, 2021 Dr. Alan Getgood, University of Western Ontario



First row from left to right: Dr. George Grammatopoulos, Visiting Professor Dr. Alan Getgood, Dr. Paul Beaulé

James J. Wiley Visiting Professor February 9, 2022 Dr. Douglas Armstrong, Penn State Health



"It was a tremendous honor to be your Wiley visiting professor. Thinking back to those years, I never could have imagined that I would be asked to do such a thing.

Your Pediatric Orthopaedic faculty and the Ottawa residents are very impressive! I enjoyed the highly organized case presentations and appreciated the work and organization that went into them!

You clearly have built a world-class division, once again reinforcing the well-deserved reputation for excellence in Canadian Orthopaedic programs and graduates around the world. I know our Orthopaedic heroes would be very proud indeed."

~ Dr. Douglas Armstrong

Looking forward to hosting Dr. Armstrong again later this year for the Spine Unit dedication to his father, Dr. Gordon W. Armstrong, who was an Orthopaedic Spine surgeon at the Civic campus from 1955 to 1988 as well as the Chief of Orthopaedic Surgery at the Civic campus from 1975 to 1987.



For the last decade, the Quality Improvement work within the Department of Surgery at The Ottawa Hospital has grown exponentially.

Under the leadership of **Dr. Claudia Malic**, the first **Quality Improvement and Patient Safety retreat** was held in January 2022. The Surgical Quality Improvement Leads from each division agreed on a strategy for the next three years.

We also engaged a Patient Partner who will be joining our Surgical Quality and Patient Safety Committee and who was present for part of the retreat. This ongoing collaboration with our Patient Partner will be key to help drive patient-centered care and continuous quality improvement and patient safety initiatives in the next few years.

Our Quality Improvement and Patient Safety framework is based on five main pillars:

1. Data warehouse and outcomes
2. Efficiency and efficacy
3. Innovation in QI and integrated QI research
4. Sustainability and planetary health
5. Education and spread

Portfolio accountability metrics and specific Department of Surgery strategies are in development, stay tuned for the upcoming roll-out!

We are also pleased to put the concept of Patient Engagement to the forefront during our upcoming Divisional Grand Rounds on Wednesday March 2, 2022, with the vast experience of Susan Rich as our patient guest presenter. Team-up to partake in the important virtual TEAMS discussion!



Our congratulations to all grant recipients!

CIHR project grants

“The Effect of Incisional Negative Pressure Wound Therapy on Wound Complications Following Sarcoma Surgery in Patients with Perioperative Radiation Therapy; A Multicenter Randomized Clinical Trial” - \$397,801.00

- Principal Investigators: **Werier, Joel M.; Abdelbary, Hesham**; Ghert, Michelle A.
- Co-Investigators: Thavorn, Kednapa; Ferguson, Peter C.; Wunder, Jay S.; Poitras, Stéphane; Ramsay, Timothy O.; Wilson, David



Dr. Joel M. Werier



Dr. Hesham Abdelbary

“The Canadian Prehabilitation Network Review: A Systematic Review and Component Network Meta-analysis to Inform Prehabilitation Design and Evaluation” - \$100,000.00

- Principal Investigators: Mclsaac, Daniel I; Hutton, Brian E; Gillis, Chelsia A; Gill, Marlyn; Boland, Laura S
- Co-Investigators: Lalu, Manoj M; Eskander, Antoine; Scheede-Bergdahl, Celena; Fergusson, Dean A; Khadaroo, Rachel; Veroniki, Areti Angeliki; Wijeyesundera, Duminda N; Grudzinski, Alexa L; Fiore Jr, Julio F; Bryson, Gregory L; **Beaulé, Paul E**; Nantel, Julie; McCartney, Colin J; Martel, Guillaume; Carli, Francesco; Poitras, Stéphane; Taljaard, Monica; Holroyd-Leduc, Jayna M; Forster, Alan J; Auer, Rebecca Ann C; Aucoin, Sylvie D



Dr. Paul Beaulé

Department of Surgery Wolves' Den Grant

"Bacteriophage therapy to improve the treatment of Fracture-Related Infection - Send in the Viruses!" - \$20,000.00

- Principal Investigator: ***Wilkin, Geoffrey***
- Co-Investigators: ***Abdelbary, Hesham; Coutu, Daniel***

The objectives will be to assess the ability of phage therapy to treat Fracture Related Infection (FRI) in a small animal model and to assess the effects of phage therapy on the regenerative capacity of bone after FRI treatment.



Dr. Geoffrey Wilkin



Dr. Hesham Abdelbary



Daniel Coutu, PhD

General Campus

A warm welcome to our new leaders in Ambulatory Care!



Kerri Labrecque, Clinical Manager

Kerri has been at The Ottawa Hospital since 2008 as both a front-line clinician and leader in ambulatory care. She received her Bachelor of Science in Nutritional Sciences at McGill University in 2007 and became a dietitian shortly thereafter working primarily in diabetes and bariatrics.

Her most recent experience is managing the Pain clinic and the Bariatric Centre of Excellence and before that, as the Profession Leader of Dietetics. This has enabled her to pursue her passion of quality improvement and she became an expert in Quality Improvement in 2019.

As the current President of Council of the College of Dietitians of Ontario, she does have strategic planning experience, and is looking forward to contributing to the effective roll-out of the ambulatory and virtual care strategy. On a personal note, she enjoys running, cycling and skiing, or essentially anything outdoors, and enjoys them best when done with her 7-and-4-year-old daughters.

Patrick Dusabimana, Clinical Care Leader

Patrick holds a Bachelor of Science degree, Honours in Health Sciences as well as a Bachelor of Science degree, Honours in Biology, from the University of Ottawa. In addition, Patrick obtained his graduate certificate in Health Science Management from McGill University and he is completing a Master of Science in Project Management from the University of Quebec.

Patrick has been at The Ottawa Hospital since 2013. As a Surgical Recovery Coordinator for the Eastern Ontario region with Trillium Gift of Life Network (based at The Ottawa Hospital), Patrick ensured optimal medical management of potential donors and maximizing organ transplantation by coordinating surgical teams (physicians, surgeons, nurses, hospital coordinators and management) from a variety of Eastern Ontario hospitals.

Prior to joining Ambulatory Care, he was supervising The Ottawa Hospital Morgue Services department. He is very passionate about business and quality improvement in health care and he hopes to help find solutions that will help our health systems in providing world class care. On a personal note, he enjoys cycling.



New furniture for nurses' lounge on 6NE Orthopaedics ward

"Thank you to the Orthopaedic physicians for supporting the nursing staff by gifting them new furniture for the nursing staff room. Staff now have a comfortable place to take a break from the busy and heavy workload. We cannot thank you enough for supporting our team and for your kindness."

~**Susan Saulnier**, Clinical Manager, 6NE Orthopaedics



Civic Campus

Introducing Rosa Lamothe, new Clinical Manager, D7 Orthopaedics



Rosa obtained her Diploma in Nursing from Algonquin College in 1997 and her BScN from St. Francis Xavier University in 2012. She began her nursing career at The Ottawa Hospital where she worked as a clinical nurse on medicine, neurosurgery, and critical care.

In 2012, she transitioned to the Patient Flow Manager role at the Civic Campus. In 2014, she became the Clinical Manager of A3 and in 2018 expanded the Transitional Care Unit to 64 beds including the Family Medicine Team.

During Wave 2 of the pandemic, Rosa was seconded to long term care where she provided on-site leadership support and also led the Regional Flow team during Wave 3.

Rosa has taken on many leadership roles during her career at The Ottawa Hospital. She has completed Management Foundations and Leadership Academy. She is excited to embark on this new adventure!



Introducing our fellows...



Dr. Ziad Alanazi MBBS, Pediatric Orthopaedic Surgery Fellow

Dr. Alanazi was born and raised in Riyadh, Saudi Arabia. He graduated medical school from King Saud bin Abdulaziz University for Health Sciences (KSAU-HS) and completed his residency training in Prince Sultan Military Medical City which is one of the biggest and main referral hospitals in Saudi Arabia.

Dr. Alanazi completed a Pediatric Orthopaedic clinical fellowship at King Faisal Specialist Hospital and Research Center in Riyadh in 2021. His main interests in Pediatric Orthopaedic Surgery are hip pathology, foot deformity and neuromuscular. None of this would have

been possible without the support of his wife Nouf. He is the proud father of two beautiful girls, Maha, four years old, Hayat, three years old and one seven-month-old boy named Tariq.

Dr. Alanazi is originally from the Northern region of Saudi Arabia. Most of his pediatric patients are looked after by the adult orthopaedic team due to the lack of specialized pediatric orthopaedic surgeons. He is happy to be doing a fellowship at CHEO to get the experience and qualifications necessary to go back home to serve his community.

Dr. Abdullah AlThubyani MBBS, FRCSC Trauma Fellow

Dr. AlThubyani is originally from Riyadh, Saudi Arabia. He obtained his medical degree from King Saud University in Riyadh and completed his Orthopaedic Surgery residency at Dalhousie University in Halifax, followed by a fellowship in hip and knee arthroplasty reconstruction.



Dr. AlThubyani is currently doing a trauma fellowship in Ottawa after which he will return to Riyadh to start his practice. In his free time, he enjoys reading, travelling and spending time with family.

Dr. Antoine Bureau MD, FRCSC Adult Reconstruction Fellow



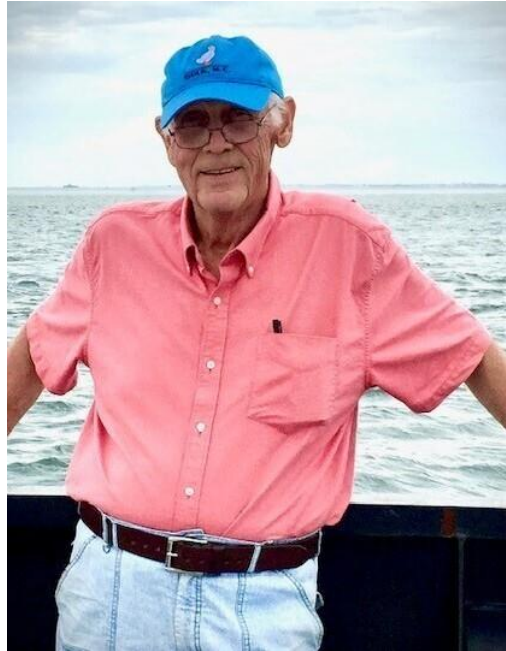
Dr. Bureau was born and raised in Quebec City. He completed his medical school as well as his Orthopaedic Surgery residency at Laval University.

Following his adult reconstruction fellowship in Ottawa, he will be moving back home and plans to start his practice in Lévis. He has a special interest in hip and knee reconstruction as well as hip preservation surgery.

Outside of medicine, his main hobbies include running, biking, cross-country skiing, alpine and back-country skiing, as well as tennis. He also likes travelling outside the country to enjoy different foods and outdoor activities.



IN MEMORIAM



Dr. Warren Castle

March 18, 1939 - December 13, 2021

“With the passing of Warren, our orthopaedic program in Ottawa lost one of its outstanding members. Residents sought the rotation through his service due to his meticulous surgical techniques and his willingness to share his knowledge. His patients adored him thanks to his great interpersonal skills. I lost a great friend forever.”

Dr. Hans K. Uhthoff

“Dr. Castle had a huge impact on my career as an orthopaedic surgeon and I know this sentiment is shared by countless surgeons that received their training in Ottawa. His sense of humour in the OR combined with his pursuit of surgical excellence is still alive and well in our program.”

Dr. Paul Beaulé

“Dr. Castle was one of my orthopaedic mentors and was a wonderful person. He was the most skilled of craftsmen, the best-in-class technician. He was also hilarious, and all who trained with him carried stories for the rest of their lives.”

Dr. Ganesh Swamy

ALUMNI, PLEASE SEND US YOUR NEWS!