



Ottawa Orthopaedics Quarterly

From the Desk of the Chief

May 2017

A year ago already, we celebrated the 50th Anniversary of the Orthopaedic Program at the University of Ottawa propelling us into becoming the number one orthopaedic program in Canada. At the foundation of such an effort is our residency program and as such I would like to take this opportunity to congratulate our graduating residency class of 2017: Drs. Mitchel Armstrong, Aaron Frombach and John Morellato. We are extremely proud of them as they truly reflect the values of the University of Ottawa Orthopedic program. As Ottawa prepares to host the Canadian Orthopaedic Association, I would like to wish all of you a great summer.



Paul E. Beaulé MD FRCS
Head, Division of Orthopaedic Surgery
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Excellence Orthopédique dans la Capitale du Canada - *Notre vie n'est que mouvement!*

DIVISION NEWS

**Annual Hans K. Uthhoff Research Day – Canada Aviation and Space Museum
April 28, 2017**

Visiting Professor Dr. Mark Glazebrook PhD from Dalhousie University



Drs. Beaulé, Glazebrook and Lalonde

Top Three Resident Papers:

Dr. Paul Jamieson

"A Prospective Cohort study Assessing the Development of Cam Femoro-Acetabular Impingement Morphology"



Dr. Paul Jamieson

ACADEMIC NEWS

Dr. Sasha Carsen was awarded the Canadian Orthopaedic Foundation award with co-investigators Drs. Paul Beaulé, Leanne Ward, Kawan Rakhra, Mario Lamontagne:

Carroll A. Laurin Award:
"Determining the role of physical activity in the development of hip impingement morphology in adolescents during the final stages of skeletal maturation"

Dr. Sasha Carsen was also chosen for the US and Canadian Bone and Joint Initiative's Young investigator initiative program.

Dr. Bogdan Matache

“Lateral Trochlear Ridge: a Non-Articulating Safe Zone for Anterior-to-Posterior Screw Placement in Coronal Shear Fractures Involving the Capitellum and Trochlea”



Dr. Bogdan Matache

Dr. Alison Suraci

“Comparison of In Vivo Performance of Re-melted versus Annealed Highly-crossed Polyethylene”



Dr. Alison Suraci

Top Fellow Paper:

Dr. Lisa Howard

“Early Healing Following Pre-operative Trephination: Results from a Randomized, Controlled Trial”



Drs. Lisa Howard and Mark Glazebrook

Jacques Robichon Award recipient: Baxter W. Willis MD FRCSC

Best Staff Teacher Award: Kevin Smit MD FRCSC



Drs. Hans K. Uhthoff, Baxter Willis, Kevin Smit and Paul Beaulé

Best Resident Teacher Award: John Morellato MD

Anatomy Cup Winner (best anatomy exam score): John Morellato MD

Merv Letts Award (best Orthopaedic in-training exam score):

John Morellato MD



**Dr. John Morellato with
Program Director,
Dr. Karl-André Lalonde**

Fellowship Recognition



Dr. Chris Dowding Dr. Mazen Ibrahim Dr. E. Sandoval-Rodriguez Dr. G. Grammatopoulos



**Drs. Meaghan Rollins Dr. Hussain Alyousif Dr. Mohammed Al Sobeai Dr. Megan Gillis
and Lisa Howard**

Rapid Access Metastatic Bone Program (RAMP)



Our orthopaedic oncology team, led by **Drs. Hesham Abdelbary and Joel Werier**, will launch the Rapid Access Meta-static Bone Program (RAMP) in July 2017. The aims of this program are to centralize referrals, standardize care pathways and facilitate early access to orthopaedic care for cancer patients with impending pathologic fractures. The initial clinical focus of RAMP will be on patients with metastatic bone disease (MBD) to the pelvis and appendicular skeleton, and will eventually expand to include the axial skeleton.

Sarcoma CoP

On February 16, 2017, **Dr. Joel Werier** hosted a Sarcoma Communities of Practice meeting attended by over 40 stakeholders across the Champlain LHIN involved in sarcoma care.

This initiative is meant to engage all community partners to enhance patient care. Presentations were given by **Drs. Michael Fung Kee Fung, Joel Werier, Kawan Rakhra, Declan Rowan, Carolyn Nessim and Nancy Dudek**. The main theme of the meeting was diagnostic imaging for sarcoma. The sarcoma DI working group (K. Rakhra-TOH, Alari Elliot-QCH, K. Highmore-CHEO, L. Martin-Montfort, J. Werier-TOH) provided an update on progress and productive discussion ensued. This has resulted in pathways of communication, standardized access for MRI, standardized technical sequencing, and synoptic reporting.

The next Sarcoma Communities of Practice meeting will be held on May 24, 2017 focusing on rehabilitation and symptom control for sarcoma patients across the Champlain LHIN.

Ottawa's First Modified Dunn Osteotomy on SCFE

On March 24, 2017, **Drs. Geoffrey Wilkin, Sasha Carsen and Kevin Smit** performed Ottawa's first modified Dunn osteotomy on a severe Slipped Capital Femoral Epiphysis (SCFE).

This procedure allowed the surgeons to reorient the femoral epiphysis into its anatomic location while carefully protecting the vascular supply to the femoral head. Prior to the introduction of this technique, the femoral head was classically pinned in situ which leads to significant femoroacetabular impingement that could cause limitations in function, decreased hip range of motion, pain and the subsequent need for further complex hip surgery.

With their combined training in hip preservation surgery, **Drs. Wilkin, Carsen and Smit** hope to continue to offer these types of surgeries to the children in our area with this pathology.



FACULTY NEWS

Dr Philippe Phan PhD, ripped the dance floor in the annual fundraiser event Dancing with the DOCs raising over \$22,000 for our research chair.



Dr. Brad Meulenkamp and wife Carly welcomed their newborn son, Ezra Joseph Meulenkamp, 7lbs, 4oz, born on April 23, 2017.



Recent Publications

Gartke K, Roffey DM, Dobransky J, Devine F, Denroche S, Kingwell SP, Poitras S, Beaulé PE. Continuous Quality improvement in Orthopaedic Surgery: Improving Patient Experience, Safety and Outcomes

Gofton WT, Illical E, Feibel RJ, Kim PR, Beaulé PE. A Single Center Experience with a Titanium Modular Neck Total Hip Replacement. The Journal of Arthroplasty. 2017 Mar 20.

Wilkin GP, Ibrahim MM, Smit KM, Beaulé PE. A Contemporary Definition of Hip Dysplasia and Structural Instability: Toward a Comprehensive Classification for Acetabular Dysplasia. The Journal of Arthroplasty. 2017 Mar 3.

Speirs AD, Beaulé PE, Huang A, Frei H. Properties of the cartilage layer from the cam-type hip impingement deformity. Journal of Biomechanics. 2017 Apr 11;55:78-84.

Beaulé PE, Bleeker H, Singh A, Dobransky J. Defining modes of failure after joint-preserving surgery of the hip. Bone Joint J. 2017 Mar 1;99(3):303-9.

Chen BP, Garland K, Roffey DM, Poitras S, Dervin G, Lapner P, Phan P, Wai EK, Kingwell SP, Beaulé PE. Can Surgeons Adequately Capture Adverse Events Using the Spinal Adverse Events Severity System (SAVES) and OrthoSAVES. Clinical Orthopaedics and Related Research®. 2017 Jan 1;475(1):253-60.

CLINICAL NEWS

General Campus

6NE is piloting a GRP fractured hip pilot with **Dr. Mazen Younes**, Hospitalist.

Kristen Thompson- ACC Clerk
The **Serge Giroux Golf Dream** is a local charity initiative giving children with life threatening illnesses and their families, from the Children's Hospital of Eastern Ontario, the opportunity of a lifetime.

Named after a former patient of Dr Guy Moreau, Serge Giroux was the first ever recipient of our Golf Dream. 12 weeks after his trip, Serge lost his battle with Ewing Sarcoma.

Each year 2-4 families are chosen to experience the dream of going to Orlando, arranging and accompanying dinners and special events, driving, coordinating shopping, and making sure the families have the dream of a lifetime.

John Haime, Randy Graham and Kristen Thompson are the key members of the support team and travel with the families each fall.



Huang A, Ryu JJ, Dervin G. Cost savings of outpatient versus standard inpatient total knee arthroplasty. Canadian Journal of Surgery. 2017 Feb;60(1):57.

Nauth A, Creek AT, Zellar A, Lawendy AR, Dowrick A, Gupta A, Dadi A, van Kampen A, Yee A, de Vries AC, van Otterloo AD. Fracture fixation in the operative management of hip fractures (FAITH): an international, multicentre, randomised controlled trial. The Lancet. 2017 Apr 15;389(10078):1519-27.

Morellato J, Louati H, Bodrogi A, Stewart A, Papp S, Liew A, Gofton W. The Effect of Varying Tension of a Suture Button Construct in Fixation of the Tibiofibular Syndesmosis—Evaluation Using Stress Computed Tomography. Journal of orthopaedic trauma. 2017 Feb 1;31(2):103-10.

Sanders D, Bryant D, Tieszer C, Lawendy AR, MacLeod M, Papp S, Liew A, Viskontas D, Coles C, Gurr K, Carey T. A Multicenter Randomized Control Trial Comparing a Novel Intramedullary Device (InterTAN) Versus Conventional Treatment (Sliding Hip Screw) of Geriatric Hip Fractures. Journal of Orthopaedic Trauma. 2017 Jan 1;31(1):1-8.

Civic Campus

E5, Ortho Civic campus, was visited by the surveyor from Accreditation Canada on May 3rd. They interviewed an RN, Clerk, PA and resident as well as the manager, CCL and educator.

All went well and the feedback was very positive. Thanks to all who participated!

VISITING PROFESSORS

Dr. Mohit Bhandari, Professor, Division of Orthopaedics, McMaster University, was the Collins Day Visiting Professor on May 12, 2017



W. E. Collins Award for Best Research Presentation: Dr. Lisa Howard
“Early Healing Following Pre-operative Trephination: Results from a Randomized, Controlled Trial”

Graeme Barber Award for Best Clinical Research Presentation:
Dr. Ivan Kamikovski

“Investigating the Feasibility of Using Bacteriophages as a Potential Therapeutic Agent for Patients with Peri-prosthetic Joint Infection”



Best Clinical Research Poster: Dr. Paul Jamieson

“A Prospective Cohort Study Assessing the Development of Cam Femoro-Acetabular Impingement Morphology”

RESEARCH NEWS

FAITH Study: Surgeons at TOH/OHRI participating in landmark clinical trial.

<https://www.ncbi.nlm.nih.gov/pubmed/28262269>

The surgeons involved as collaborators on the Lancet publication were:

Dr. Eugene Wai
Dr. Allan Liew
Dr. Wade Gofton
Dr. Steven Kingwell
Dr. Steve Papp
Dr. Darren Roffey (PhD)

Dr. Isabelle Catelas (cross-appointed to the Department of Surgery/Division of Orthopaedic Surgery) received the **William H. Harris Award at this year's Orthopaedic Research Society meeting** for her work on: Differential Proteomic Analysis of Hip Synovial Fluid from Patients with a Pseudotumor vs Periprosthetic Osteolysis.
<http://www.ors.org/william-h-harris-md-award/>

Best Education Research Poster: Dr. Akshay Seth

“Learning New Skills in Practice: How Surgeons Adopt and Implement New Procedures”



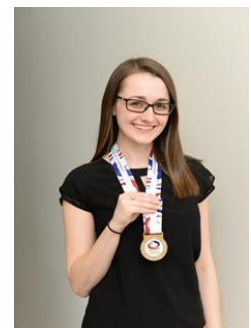
Annual Dinner Photos



Welcome to our new clinical research associate, **Dr. Yusra Al Mosuli**, who has joined the orthopaedic oncology research team.



Congratulations to **Cheryl Kreviazuk**, who won the world curling championships in Beijing, China with Team Homan.



Hip Attack Trial/Dr. Robert Feibel in collaboration with General Medicine, Emergency Medicine and Anesthesia have currently recruited 16 patients, 15 since January. Kudos to **Sara Ruggiero** for her superb work as a Clinical Research Coordinator.



Sara Ruggiero Dr. Robert Feibel

A warm welcome to the new volunteers in the Division **Alanna Jane and Le Gao**.

Congratulations to our graduating class of 2017!

Another academic year is coming to a close and as always many changes within the residency program are along the horizon.

The fifth years, Aaron Frombach, Mitchel Armstrong and John Morellato are currently in the process of writing their final exams and transitioning onwards in their orthopedic journey. Aaron is heading to Toronto for a trauma fellowship followed by an arthroplasty fellowship. Mitchel is heading to Kingston for an upper extremity fellowship. John is heading to Baltimore for a trauma fellowship followed by an upper extremity fellowship in London.



Dr. Mitchel Armstrong



Dr. Aaron Frombach



Dr. John Morellato

The seniors will be greatly missed by the entire resident group. It has been so enjoyable working with them and everyone is so thankful for all the guidance, knowledge and friendship they have given over the years. The residents are very proud of their accomplishments and will continue to work hard to be as successful as their successors.

As the seniors exit, as usual, six new first year residents will be joining us in July. The residents are incredibly happy with the residents that have matched to the program. There is no doubt that the high calibre of residents that Ottawa consistently holds in its program will continue.

Overall the end of the academic year is coming to a successful close, as demonstrated by the recent Hans K. Uthoff Research Day, where many of the residents' research projects were presented. These will further be shared with the Department of Surgery at Collins day this month and further with the national orthopaedic community at the COA in June.

The residents are very grateful to all the orthopedic and research staff that assist them with their research and academia in general.

We were blessed once again this year to have very talented and hard-working fellows.

Adult Reconstruction Arthroplasty Fellowship

- Dr. Christopher Dowding
- Dr. George Grammatopoulos
- Dr. Mazen Ibrahim
- Dr. Matthew MacEwan
- Dr. Enrique Sandoval-Rodriguez

Comprehensive Knee Fellowship

Dr. Megan Gillis

Foot and Ankle Fellowship

Dr. Mark Macdonald

Musculoskeletal Oncology Fellowship

Dr. Mohammed Al Sobeai

Pediatric Orthopaedic Fellowship

Dr. Akintunde Watson

Spine Fellowship

Dr. Hussam Jabri

Dr. Saad Surur

Trauma Fellowship

Dr. Hussain Alyousif

Dr. Abdullah Alhazmi

Upper Extremity Fellowship

Dr. Lisa Howard

Dr. Meaghan Rollins

ALUMNI NEWS

Drs. Boudreau, class of '96 and Barei, class of '97 worked with Doctors Overseas in Elle Castillo Nicaragua





Our Alumni is stepping up to match the 1 million donated by current active members of our Division.



What does this mean?



Ask your healthcare provider.

Repair. Restore. Regenerate.



ALUMNI DONOR LIST

Dr. Martin Fiala, class of 1994

Dr. Wadih Matar, class of 2008

Dr. Merv Letts, former Division Chair

Dr Jean-Pierre Desjardins, class of 1969

Dr. Tom Smallman, Upstate Medical University and Auburn Memorial Hospital, Auburn, NY

Dr. Hossein Pakzad, class of 2009

Dr. Prem Parmar, class of 1999

Champlain Regional Orthopedic Network (CRON)

Dr. Guy Moreau, class of 1993, Chief of Staff of Montfort Hospital, has recently assumed the lead for Champlain LHIN Steering Committee for Orthopaedic Care.

Pembroke Regional Hospital Full Orthopaedic Service

Dr. Natasha Holder, class of 2014, is now practicing general orthopaedics at the Pembroke Regional Hospital.

Dr Christopher de Jesus, Fellow 2015-16, is now practicing a general orthopedic practice at the Pembroke Regional Hospital.

ALUMNI PLEASE SEND US NEWS ABOUT YOU!