

Words of Wisdom by Werle!

Dear Calgary Orthopaedic Community:

I hope this newsletter finds you well as we gradually re-open and return to practice amid the COVID-19 pandemic. I'm certain none of us anticipated that 2020 would turn out as it has so far.

I want to personally thank all of you for providing frontline orthopaedic care in very trying circumstances. It has demonstrated to me the strength and resilience of our Section.

One of the successes amid the pandemic has been the implementation of Specialist Link for Ortho in the Calgary Zone. Although there are some challenges that need to be fixed, I can assure you that the patients and family physicians that are served by this advice line are incredibly grateful for your assistance. It has the potential to lead to better MSK care and to better quality referrals from family physicians. This implementation has also positioned our Section well for the upcoming Alberta Surgery Initiative (ASI).

The pandemic has of course postponed many academic activities for all of us. One of the highlights of 2020 for our Section was to be the 50th Anniversary celebration of the U of C Orthopaedic Residency Program. Thanks to the hard work of Judy Crawford and the organizing committee, this event will now take place July 9-10, 2021 (during the first weekend of next year's Stampede). Resident Research Day and Surgeon's Day were also cancelled and I look forward to these important academic events being rescheduled in 2021.

Congratulations to all of our orthopaedic faculty who were promoted by the University of Calgary earlier this year (see Kudos section for details). Congratulations to Laurie Hiemstra who was elected as 2nd President-Elect of the Canadian Orthopaedic Association at last month's virtual COA meeting. She will be the COA's first female president and it will be great to have an Albertan in the role!

We have all been shocked and saddened by the episodes of racism evident not just in the USA but in our country and within AHS as well. We must be vigilant to stamp out racism and discrimination in all forms. Our Section is not immune and we must treat all patients and healthcare partners with dignity and respect. To that end, the Department of Surgery/AHS is initiating an Equality and Diversity Committee this fall. Stay tuned for more information.

Finally, I, on behalf of the Section, wish all of you a good summer and I hope you take time to refresh and relax with your families.

Take care and stay well,

Jason

Education – Making the Grade!

Our thanks to the orthopaedic residents and faculty for all of their hard work and resiliency in the past months with the COVID-19 restrictions.

A special thank you to Erin Davison for volunteering to redeploy to ICU to assist with the pandemic in block 11.

Congratulations to our graduating R5s:

Jonathan Bourget-Murray - trauma fellowship at Oxford University;

Eva Gusnowski - upper extremity fellowship and working toward a master's degree at Western University;

Kate Thomas - arthroplasty fellowship at Dalhousie University.

Welcome to our incoming R1s: Laurel Collings - Queen's University;

Jarrett Moore - University of Calgary; Julian Rizos - Western University; Logan Woods - University of Alberta.

Congratulations to all the 2019-2020 year-end award winners:

Spencer McLean Memorial Award – Joe Kendal;

Educator of the Year – Nick Desy;

Junior Resident Mentor of the Year – Ryan Martin;

Senior Resident Mentor of the Year – Fred Nicholls.

Jonathan Bourget-Murray - 2019-2020 FMC Medical Staff Association Physician of the Year Award - Resident Category.

Laura Morrison was accepted to the Clinician Investigator Program (CIP), beginning July 1, 2020.

Murray Wong is a successful awardee in the Canada Graduate Scholarships-Master's (CGSM) Competition.

Research – Skeletal Mentions!

Congratulations to Alex Rezanoff/Lisa Phillips on being the recipients of the internal 2020 Research Assistant Salary Matching. The 2020 Faculty Seed Grant and Faculty Operational Research Fund competitions are currently in the review process and announcements of recipients will take place at a later date. We thank all who submitted a total of thirteen excellent applications in the three competitions (making our decision process difficult!), and a special thanks to all that reviewed the various applications – without your volunteerism for this process we could not do this!

CORR-G has completed their data collection and analysis for both the Radiation Safety Trainee Survey and the prospective Dosimeter study and manuscript preparation is underway as a group for both studies.

Congratulations to Daniel You who won best clinical presentation at the Clinician Investigator Program (CIP) Resident Research Day.

The Department of Surgery's 2020 Fellows Research Presentation took place via Zoom format on June 24.

COREF Guidelines/Applications were distributed in July and applications are due on September 14th.

Due to the pandemic our 2020 Resident Research Day has been cancelled.

We will be offering a 3rd edition of the Stats Workshop in late fall 2020 – more details to be distributed at a later date.

For Faculty, The Frank Talks will be taking place in Winter 2021. If you are interested in participating, please contact Judy Crawford.

News from the McCaig Institute for Bone and Joint Health

New Research Resource: Jolene Allen at the MoJo imaging centre is now available as a Study Co-ordinator for pilot or small cohort studies. You can hire Jolene in 0.1FTE increments by calling 403-220-4544, or emailing mojo@ucalgary.ca.

Terri May, Business and Operations Manager, is now back from her maternity leave and Stacy Kozak (Terri's interim replacement) did an awesome job during her tenure and completed her term on June 30th.

McCaig Institute Summer Student Symposium via Zoom, Thursday, August 13, 9:00 am-12:00 p.m. Abstracts Due July 16th.

2020 Cy Frank Lectureship Series via Zoom – Monday, September 14, 4:00-5:30 pm, "Osteoarthritis: A-Not-So-Silent-Killer" a presentation by Dr. Gillian Hawker, Professor and Chair, Department of Medicine, University of Toronto (register via <https://cyfrank2020.eventbrite.ca> or for more information please contact kirstyn.macgillivray@ucalgary.ca).

Kudos Korner – Congratulations go to

Awards/Honours:

Neil White and Martina Vergouwen were awarded the PURE Award for their FROST Study (Factors Predicting Orthopaedic Trauma Volumes) Richard Buckley was the recipient of the Canadian Orthopaedic Association's "Service to Orthopaedic Education Award", which recognizes outstanding service and contributions to orthopaedic education and training at the national and regional level

Grants:

Roman Krawetz received funding in the NSERC Discovery Grant competition for his project "Synovial Stem Cell Biology" Daniel You received a \$20,000.00 (USD) research award for 2020-21 by the Orthopaedic Trauma Association for his project "Hypercoagulability in Patients with Metastatic Bone Disease as Determined by Thrombelastography: A Prospective Pilot Study"

Other:

Prism Schneider and Kaitlyn Dillabough (Master's student) intimate partner violence (IPV) research was highlighted in the McCaig Institute's Spring 2020 Research in Motion newsletter as well as in the University's UToday on March 19

Academic Promotions effective July 1st: Andrew Dodd – Clinical Assistant Professor; Alex Rezanoff – Clinical Assistant Professor; Iain Russell – Clinical Associate Professor; and Ken Thomas – Clinical Professor

Daniel You successfully defended his MSc thesis entitled "Studying Hypercoagulability in Patients with Hip Fracture as Determined by Thrombelastography" and he was also our first Orthopaedic Resident to complete the Royal College Clinician Investigator Program

McCaig Weekly Seminar series presentors have been: Ganesh Swamy on March 11th - "Research in progress: (1) Acute sciatica biomarkers; and (2) Degenerative scoliosis & spondylolisthesis – Investigating sexual dimorphism"; and Murray Wong on May 27th (via Zoom) – "Dynamic CT shows improved motion after flexible fixation for syndesmosis injuries"

Kayla Marritt, from Michael Monument's lab, successfully defended her Master's thesis: "STING Activation as an Immunotherapeutic Strategy for Soft Tissue Sarcoma"

Peter Lewkonja accepted the position of Assistant Program Director for the University of Calgary Orthopaedic Surgery Residency Program

Kevin Hildebrand was the presenter for the McCaig Institute's June 23rd Summer Science Show-and-Tell where he showed some shoulder/wrist/elbow surgery footage and explained the surgical techniques

Karys Hildebrand from Mike Monument's lab was selected for a Fredrick Banting and Charles Best CGS-M award

Sophia Shah from Roman Krawetz's lab advanced to the UCalgary 3 Minute Thesis (3MT) finals! Sophia won her heat with her presentation "Epidural fat stem cells: Do not discharge"

Nick Mohtadi was featured in the McCaig Institute's Research In Motion Summer 2020 Newsletter in an article focusing on "Avoiding injury in a pandemic – Will COVID-19 lead to an increase in musculoskeletal injuries?"; this item also appeared in University's UToday on July 13th.

Some recent publications:

R Saini, J Powell, R Sharma, S Puloski, S Mahdavi, C Smith, K Johnston: "One-stage versus 2-stage bilateral total joint arthroplasty: A matched cohort study". Can J Surg 2020;63(2):E167-E173. DOI: 10.1503/cjs.001019

NL Bradley, AM DiPasquale, K Dillabough, PS Schneider: "Health care practitioners' responsibility to address intimate partner violence related to the COVID-19 pandemic". CMAJ May 01, 2020 cmaj.200634; DOI: <https://doi.org/10.1503/cmaj.200634>

I Abdulla, S Mahdavi, H Khong, R Gill, J Powell, KD Johnston, R Sharma: "Does body mass index affect the rate of adverse outcomes in total hip and knee arthroplasty? A retrospective review of a total joint replacement database". Can J Surgery 2020; 63(2):E142-E149

J Bourget-Murray, BJ Heard, R Bansal, AS Johnson, J Powell: "Postoperative fever in the time of COVID-19". Can J Surg 2020;63(3):E231-E232 DOI: 10.1503/cjs.004720

BS Borys, T So, J Colter, T Dang, EL Robert, T Revay, L Larijani, R Krawetz, I Lewis, B Argiropoulos, DE Rancourt, S Jung, Y Hashimura, B Lee, MS Kallos: "Optimized serial expansion of human induced pluripotent stem cells using low-density inoculation to generate clinically relevant quantities in vertical-wheel bioreactors". STEM CELLS Transl Med. 2020;1–17. <https://doi.org/10.1002/sctm.19-0406>

N Abughazaleh, Z Abusara, R Krawetz, W Herzog: "The influence of maximal and submaximal cyclic concentric and eccentric exercise on chondrocyte death and synovial fluid proteins in the rabbit knee". Clinical Biomechanics, Volume 78, 2020, 105095, ISSN 0268-0033, <https://doi.org/10.1016/j.clinbiomech.2020.105095>

Jason Werle had an article in the Spring 2020 COA Bulletin, pages 21-22: "Robotics in arthroplasty – Is it in the future or just a fad"

An abbreviated paper by various authors within the Canadian Shoulder and Elbow Society (CSES), including Aaron Bois, was featured in the Spring 2020 COA Bulletin on page 27: "Improved complex skill acquisition by immersive virtual reality training: A randomized controlled trial".

The full citation for this manuscript is: R Lohre, AJ Bois, GS Athwal, DP Goel (on behalf of the Canadian Shoulder and Elbow Society [CSES]): "Improved complex skill acquisition by immersive virtual reality training: A randomized controlled trial". JBJS Am, March 18, 2020;102(6):e26 doi:10.2106/JBJS.19.00982

S Kooner, C Hewison, S Sridharan, J Lui, G Matthewson, H Johal, M Clark: Waste and recycling among orthopedic subspecialties. Can J Surg 2020;63(3):E278-E283

A Stratton, E Wai, S Kingwell, P Phan, D Roffey, M El Koussy, S Christie, P Jarzem, P Rasoulinejad, S Casha, J Paquet, M Johnson, E Abraham, H Hall, G McIntosh, K Thomas, R Rampersaud, N Manson, C Fisher: Opioid use trends in patients undergoing elective thoracic and lumbar spine surgery. Can J Surg 2020;63(3):E306-E312

For our faculty and past and current residents, the celebration of **50 Years of Calgary Orthopaedic Surgery Residency which was originally scheduled for this July has been postponed due to the COVID-19 pandemic. Our new event date is July 9-10, 2021!!** On-line registration will be available early in 2021 – watch for future emails. The general schedule is: Friday July 9 a Welcome Reception in the evening at the Cumming School of Medicine; Saturday July 10 will be our Symposium in the morning at the Cumming School of Medicine, and then a dinner at Hotel Arts in the later afternoon and the evening! We hope that all of you will be able to attend.

Also a reminder for those that were former residents in the program or are current residents, please submit your memory page to Judy Crawford at acortho@ucalgary.ca as soon as possible.

For more details, or if you have any questions, contact Judy Crawford at acortho@ucalgary.ca.

Jonathan Bourget-Murray and Ariana Frederick welcomed Tessa Rey Murray to their family. She was born Sunday June 7, 2020. She weighed in at 8 lbs 10 ozs. Congratulations!

