

ALICIA KERRIGAN
MD, MSc, FRCSC

CURRENT EMPLOYMENT

2021 - present Paediatric Orthopaedic Surgeon
Children's Hospital of Eastern Ontario (CHEO)
Department of Surgery, Division of Orthopaedic Surgery
401 Smyth Road, Ottawa ON, K1H 8L1
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EDUCATION

2020 – 2021 **University of Ottawa**
Children's Hospital of Eastern Ontario
Ottawa, Ontario
 Pediatric Orthopaedic Surgery Fellowship

2015 – 2020 **University of Western Ontario**
London Health Sciences Centre
London, Ontario
 Orthopaedic Surgery Residency Training Program

2017 – 2018 **University of Western Ontario**
Department of Surgery
London, Ontario
 Master's of Surgery Program

2011 – 2015 **University of Western Ontario**
Schulich School of Medicine and Dentistry
London, Ontario Doctor of
 Medicine

2007 – 2011 **McGill University**
Anatomy and Cell Biology
Montreal, Quebec
 Bachelor of Science

RESEARCH & PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

1. **Kerrigan AM**, Reeves JM, Langohr GDG, Johnson JA, Athwal GS. The influence of reverse arthroplasty humeral component design features on scapular spine strain. *J Shoulder Elbow Surg.* 2021;30(3):572-579. doi:10.1016/j.jse.2020.06.011
2. **Kerrigan AM**, Reeves J, Langohr GDG, Johnson JA, Athwal GS. Reverse shoulder arthroplasty glenoid lateralization influences scapular spine strains. *Shoulder Elbow.* 2021;13(6):610-619. doi:10.1177/1758573220935567
3. **Kerrigan A**, Ayeni OR, Kishta W. Developmental Dysplasia of the Hip in Patients with Connective-Tissue Disorders. *JBJS Rev.* 2019;7(4):e5. doi:10.2106/JBJS.RVW.18.00092

NON-PEER REVIEWED PUBLICATIONS

1. **Kerrigan A**, Kishta W. Radiographic Analysis of Surgically Treated Flatfoot Deformity in Children with Cerebral Palsy. *Foot & Ankle Orthopaedics.* 2018;3(3). doi:[10.1177/2473011418S00285](https://doi.org/10.1177/2473011418S00285)

VIDEO JOURNAL PUBLICATIONS

1. **AM Kerrigan**, M Petrera, H Livock, K Koujok, S Carsen. Multi-Ligamentous Knee Injury in an Adolescent Male Treated with Combined Repair and Reconstruction Procedure. *AAOS Orthopedic Video Theater, Published January 2022.*
https://www.aaos.org/videos/video-detail-page//25434_Videos

WEBSITES, DATABASES & NEWSLETTERS

1. **AM Kerrigan**, D Bartley. Clinical Features & Debates: Paediatric Femoral Shaft Fracture Management – Rigid Nailing. *Canadian Orthopaedic Association Bulletin - Spring 2018*

CLINICAL RESEARCH COLLABORATION

- 2022 – present **Computational assessment of dynamic patellofemoral cartilage loading in adolescent patients with and without patellofemoral instability**
Coordinating Site: CHEO, RGA grant funding
Role: Principal Investigator

- 2022 – present **Development of a new patient reported outcome measure for children with lower limb deformities – Field Testing of LIMB-Q Kids**
 Coordinating Site: BC Children’s Hospital, Unfunded
 Role: Principal Investigator
- 2022 – present **Post-free traction provides safe surgical exposure in adolescent lower extremity fracture and deformity surgery**
 Coordinating Site: CHEO, Unfunded
 Role: Co-Investigator
- 2022 – present **Elucidating the Discoid Meniscus with Proposed New Classification System**
 Coordinating Site: UC Davis, Unfunded
 Role: Site Co-Investigator for CHEO
- 2022 - present **Functional capacity of the pediatric and adolescent female and male knee joint: Preventing anterior cruciate ligament injury, optimizing post-operative recovery, and preventing re-injury**
 Coordinating Site: CHEO
 Funded by: University of Ottawa Department of Surgery Junior Faculty Research Grant (2018), ConMed Clinical Research Category (2018), Arthroscopy Association of North America (2020), CHEO CHAMO Innovation Fund (2020-2022), University of Ottawa Department of Surgery Research Program Grant (2021-2023)
 Role: Co-Investigator
- 2022 – present **Biomarkers of knee joint healing in adolescents with anterior cruciate ligament injuries**
 Coordinating Site: CHEO, Unfunded
 Role: Co-Investigator
- 2022 – present **Soft-tissue Quadriceps autograft ACL-reconstruction in the Skeletallyimmature vs. Hamstrings (SQUASH): A Multi-Centre Pilot Randomized Controlled Trial**
 Coordinating Site: McMaster University/ Hamilton Health Sciences
 Funded by: PSI Young Investigator Award (2020-2023)
 Role: Site Co-Investigator for CHEO/Ottawa
- 2022 – present **A prospective multicenter observational registry of pediatric orthopedic trauma and health outcomes in skeletally immature children**
 Coordinating Site: BC Children’s Hospital
 Sponsor: AO Foundation

Role: Site Co-Investigator for CHEO/Ottawa

CONFERENCE POSTERS & PRESENTATIONS

L Beaton, S Carsen, K Smit, A Tice, A Kerrigan – **“Post-Free Traction Provides Safe Surgical Exposure in Adolescent Lower Extremity Fracture and Deformity Surgery”**

- Poster Presentation: COA Meeting (Quebec City, QC), June 2022

K Smit, H Livock, A Tice, S Carsen, J Jarvis, A Kerrigan, A Seth – **“Outcomes Following the Treatment of Displaced Paediatric Olecranon Fractures: Pins In or Pins Out?”** •

- Paper Presentation: COA Meeting (Quebec City, QC), June 2022

A Kerrigan, C Walker, K Kontio, K Smit – **“The Pediatric Orthopaedic Surgery Burden: Can Modification of Referral Criteria Help Alleviate Departmental Strain?”**

- Poster Presentation: Collins Research Day (Ottawa, ON), May 2021
- Podium presentation: COA Meeting (virtual), June 2021 (highlight podium presentation)

A Kerrigan, M Robinson, L Ward, K Smit, S Dover, F Rauch, R Willis, L Lawton, J Jarvis, A Tice, S Carsen. – **“Recurrent Low-Energy Fractures in Otherwise Healthy Children May Indicate Bone Fragility.”**

- Poster Presentation: HKU Day (virtual), June 2021
- Podium presentation: COA Meeting (virtual), June 2021

A Kerrigan, W Alrammaal, K Smit, S Carsen – **“Hip Arthroscopy in Children 14 and Under: A Descriptive Analysis.”**

- Poster Presentation: HKU Day (virtual), June 2021
- Poster Presentation: COA Meeting (virtual), June 2021

A Kerrigan, J Reeves, D Langohr, J Johnson, G Athwal - **“The Effect of Coracoacromial Ligament State on Acromial Strain Following Reverse Total Shoulder Arthroplasty”**

- Podium Presentation: Western Resident Research Day (London, ON), October 2019
- Poster Presentation: COA Meeting (virtual), June 2020

A Kerrigan, J Reeves, D Langohr, J Johnson, G Athwal - **“The Role of Glenoid and Humeral Lateralization on Acromial Strain Following Reverse Total Shoulder Arthroplasty”**

- Podium Presentation: Western Resident Research Day (London, ON), October 2018 (winner of Harvey Bailey Award for best scientific research paper)
- Poster Presentation: COA Meeting (Montreal, QC), June 2019

A Kerrigan, K Willits - **“Magnetic Resonance Imaging Assessment of Acute Achilles Tendon Rupture Healing in Non-Operative Patients”**

- Podium Presentation: Western Resident Research Day (London, ON), October 2017 (winner of Sandy Kirkley Award for best clinical research paper)
- Podium Presentation: OMA Sport Medicine Conference (Toronto, ON), January 2018
- Podium Presentation: COA Meeting (Victoria, BC), June 2018

A Kerrigan, M Cashin, D Bartley, T Carey, W Kishta - “**Radiographic Analysis of Surgically Treated Flatfoot Deformity in Children with Cerebral Palsy**”

- Poster Presentation: Western Resident Research Day (London, ON), October 2016
- Podium Presentation: Western Pediatric Surgery Research Day (London, ON), February 2017
- Poster Presentation: AOFAS Meeting (Boston, MA), July 2018
- Podium Presentation: SICOT Orthopaedic World Congress (Montreal, QC), October 2018

RESEARCH GRANT SUPPORT

July 2022 – July 2023 Research Growth Award
 CHEO Research Institute
 \$29,996.77
A Kerrigan, A Clouthier, D Benoit, S Carsen
 “Computational assessment of dynamic patellofemoral cartilage loading in adolescent patients with and without patellofemoral instability”

RESEARCH INTEREST GROUPS

2022 – present Patellofemoral Instability – PRiSM Research Interest Group

2022 – present Tibial Spine Fractures – PRiSM Research Interest Group

MEDICAL EDUCATION

UNDERGRADUATE MEDICAL EDUCATION

Nov 2022 – present Foundations Unit (MS1)

- Lecture: Radiology - Lower Extremity Fractures
- Lecture: Radiology: Upper Extremity Fractures
- TBL – Pediatric Musculoskeletal/Orthopaedics Part 1
- TBL – Pediatric Musculoskeletal/Orthopaedics Part 2

POST-GRADUATE MEDICAL EDUCATION

Feb 2022 Pediatric Orthopaedic Skills Lab – External Tibial Frame Application

Sept 2021 - Bi-weekly morning rounds and Wednesday morning teaching topics present

INVITED LECTURES

Sept 2022 National Capital Knee Symposium, Ottawa ON

- Panelist: ACL Treatment Options
- Panelist: ACL Rehabilitation
- Panelist: Meniscus and Articular Cartilage Restoration
- Panelist: Patellofemoral Instability

June 2022 COA ICL: The adolescent Athlete’s Knee: Updates on Injury Prevention, Treatment, and Rehabilitation

HONOURS AND AWARDS

2021 **International Pediatric Orthopedic Symposium – Scholarship Recipient**

2021 **Dr. Stephen Tredwell Award**
COA Annual Meeting

2021 **Collins Day Outstanding Poster Presentation**
CHEO Department of Surgery Research Day

2018 **Harvey Bailey Award – Best scientific research paper presentation** UWO Resident Research Day

2017 **Sandy Kirkley Award – Best clinical science research paper presentation** UWO Resident Research Day

2013 **Hippocratic Council Club Executive Award**

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| April 2022 | AOSSM/POSNA Pediatric Surgical Skills Course – Chicago, IL |
| June 2021 | COA Annual Meeting (virtual) |
| May 2021 | POSNA Annual Meeting (virtual) |
| June 2020 | COA Annual Meeting (virtual) |
| June 2019 | American Orthopedic Association C. McCollister Evarts Resident Leadership Forum – San Diego, CA |
| June 2019 | COA Annual Meeting – Montreal, QC |
| Oct 2018 | SICOT Orthopaedic World Congress – Montreal, QC, |
| July 2018 | AOFAS Annual Meeting – Boston, MA |
| June 2018 | COA Annual Meeting – Victoria, BC |
| Jan 2018 | OMA Sport Medicine Conference – Toronto, ON |
| Dec 2017 | IPOS Annual Meeting – Orlando, FL |
| May 2016 | AO North America, Principles of Fracture Management, Basic Course – Chicago, IL |

VOLUNTEERING & LEADERSHIP

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| 2019 | Operation Walk – Cuenca, Ecuador |
| 2019 | Canadian Association of Medical Teams Abroad – Quito, Ecuador |
| 2010-2011 | Global Health Projects Database Surveying, McGill University |
| 2009 | Global Action Health Database Input, University of Ottawa |
| 2008 | Volunteer Abroad, Ghana, Africa |

LANGUAGES

English – native language

French – speak and read at high proficiency, write at an intermediate level