

Curriculum Vitae

MICHAEL A. PICKELL MD.

The Ottawa Hospital – General Campus
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EMPLOYMENT

2017 Assistant Professor of Orthopedic Surgery
University of Ottawa/The Ottawa Hospital
Ottawa, Ont.

EDUCATION

2010 Doctor of Medicine
Queen's University- Kingston, ON

2015 – 2018 Masters of Anatomy and Education Queen's
University – Kingston, ON

2006

Bachelor of Medical Science, Physiology, With Distinction
University of Western Ontario- London, ON

POST GRADUATE EDUCATION

2016-2017

Orthopedic Sports Medicine Fellowship
Hospital for Joint Disease, NYU Langone Medical Center – NYC, NY

2015 – 2016 Orthopedic Trauma Surgery Fellowship Queen's
University – Kingston, ON

2010 - 2015 Orthopedic Surgery Resident, FRCSC Queens
University- Kingston, ON

PROFESSIONAL SOCIETY MEMBERSHIPS

2016 – present American Orthopedic Society for Sports Medicine

2016 - present Arthroscopy Association of North America

2018-present Arthroscopy Association of Canada

2010 - present Canadian Medical Association

2010 – present Ontario Medical Association

2010 – present College of Physicians and Surgeons of Ontario

2011 – present American Academy of Orthopedic Surgeons

TEAM COVERAGE

2020 – present
Ottawa Senators – NHL Team
Physician

2018 – present
University of Ottawa Varsity Athletics Head
Orthopedic Surgeon

2016-2017
Jacksonville Jaguars – NFL Assistant
Team Physician

2016-2017
New York Riveters – WNHL hockey team Assistant
Team Physician

TEACHING EXPERIENCE

2018 – present
Director of MSK Undergraduate Education
University of Ottawa, Medical School

2022
Co-organizer Ottawa Knee Symposium University
of Ottawa

2022 Visiting Professor
Queen's University, Division of Orthopedics

2016 NYU CME Hockey Course
Independent content reviewer

2015-2016 Lecturer Undergraduate Department of Anatomy
Queen's University, Dept. of Anatomy

COMMITTEES

2022 – present Board Member – Treasurer
Arthroscopy Association of Canada

2019 – present Residency Competency Committee
Dept. Orthopedics, University of Ottawa

2019 – present Alternative Funding Program
Dept. Orthopedics, University of Ottawa

2019 – present Ottawa knee Symposium
Planning committee

2020 – present Canadian Orthopedic Association General Meeting Sports Day
Planning committee

2014-2015 Administrative Chief Resident
Dept. of Orthopedics, Queen's University

2010-2015 Resident Program Committee, Queen's University
Resident representative

2012-2015 Resident Advisory Committee, Kingston General Hospital
Resident representative

2012 – 2014 Canadian Orthopedic Association
Resident representative

HONORS AND AWARDS

- 2014 William Ersil Research Day, Best Research Award:
Awarded to the best resident research presented
Queen's University Dept. of Surgery
- 2012 William Ersil Research Day, Best Research Award:
Awarded to the best resident research presented
Queen's University Dept. of Surgery
- 2010 Edward Mundell Prize in Orthopedic Surgery:
Awarded on the basis of academic excellence to students in the School of Medicine who have been
accepted to a Canadian residency program in Orthopedics
Queen's University
- 2007 - 2010 Canadian Millennium Scholarship:
Scholarship based on merit, leadership, innovation, and academic achievement
- 2006 Dr. Richard H Gray Memorial Award:
Awarded to a first year medical student on the basis of academic excellence
- 2006 Bronze W Award:
Awarded to Varsity athletes at the University of Western Ontario excelling
athletically at the national level
- 2003, 2004, Academic All-Canadian:
2005, 2006 Awarded to varsity athletes competing at the national level that maintain a GPA of 80% or higher

GRANTS

TOHAMO Junior Staff Fund
Novel tissue analysis technique for cartilage
June 2019, \$20000
Lead investigator

AANA Research Fund
T1rho for follow up analysis of cartilage relaxation following meniscal transplant
June 2018, \$10000
Lead investigator

TOHAMO Resident Research Fund
Comparison of post-operative pain control methods following ACL surgery

June 2019, \$10000
Lead investigator

Departmental Developmental and Innovation Fund
The design, engineering, and experimental testing of a novel medial portal ACL femoral guide June
2014 – June 2015, \$10000
Co-investigator

South Eastern Ontario Medical Association Grant
The value of simulation training in arthroscopic surgery a randomized control trial.
April 2013-April 2014, \$15000
Co-investigator

PUBLICATIONS AND PRESENTATIONS

I. Publications

Caines A, Adamczyk A, Mahaffey R, Pickell M. Open reduction internal fixation versus distal femoral replacement for treatment of distal femur fracture: A review of functional outcomes and cost analysis. *Journal of Traumatology*. 2022 (In print)

Swift B, Pickell M. Posterolateral corner reconstruction: A novel single tendon technique. *Techniques in Orthopedics*. 2022

Cambell A, Thompson K, Pham H, Pickell M, Begly M, Wolfson T, Youm T. The incidence and pattern of iliopectoral tendonitis following hip arthroscopy. *Hip International*. 2021, 31(4) <https://doi.org/10.1177/1120700020908845> Pham H, Pickell M, Yagnatovsky M, Kramarchuk M, Alaia M, Strauss E, Jazrawi L, Campbell K. The utility of oral non-steroidal anti-inflammatory drugs compared with standard opioids following arthroscopic meniscectomy: a prospective observational study. *Arthroscopy*. 2019, 35(3): 864-870.

Venne G, Pickell M, Ellis R, Bicknell R. Reliability of a novel 3-dimensional computed tomography method for reverse shoulder arthroplasty postoperative evaluation. *JSES*. 2019, 3(3):168-173.

Paoli A, Pickell M, Mahure S, McAllister S, Mai D, Alaia M, Virk M, Campbell K. Trends and risk factors for 1-year revision of the laterjet procedure: the new York State experience during the past decade. *Orthopedics*. 2019 41(3); <https://doi.org/10.3928/01477447-20180320-07>

Pickell M, Jejurikar N, Anil U, Salata M, Davidson PA, Jazrawi LM, Strauss EJ. Management of Meniscal Pathology: From Partial Meniscectomy to Transplantation. *Instructional Course Lectures*. 2018 Feb 1;67:489-500.

Venne G, Pickell M, Pichora D, Bicknell R, Ellis R. CT image registration for evaluating reverse shoulder arthroplasty placement. *Orthopedic Proceedings*. 2018;96.

Banaszek D, You D, Pickell M, Hesse D, Borschneck D, Bardana D. Virtual reality versus bench top simulation in the acquisition of surgical skills. *Journal of Bone and Joint Am*. 2017, 99(7): e34

Pickell M, Strauss E. The management of meniscal pathology: A review. *AAOS Instructional Course Lectures*. 2017; Volume 67, ebook.

Dai A, Phen H, Pickell M, Strauss E. Adipose to muscle area ratio at the knee is superior to BMI in predicting postoperative outcome following arthroscopic meniscectomy. *Arch Orthop Trauma Surg*. DOI 10.1007/s00402-018-3030x.

Banaszek D, Pickell M, Wilson E, Bardana D. Anatomic evaluation of the proximity of neurovascular structures during arthroscopy assisted acromioclavicular joint reconstruction: A cadaveric study. *Arthroscopy*. 2017; 33(1): 75-81

Pickell M, Mann S, Borchneck D. Surgeon-Driven Neurophysiologic monitoring in Spinal Surgery Population: A Prospective Case Series. *Journal of Spine Surgery*. 2016; 2(3): 173-177.

Banaszek D, Pickell M, Wood G, Campbell A. Injected versus oral venous thromboembolism prophylaxis: a patient satisfaction study. *International Journal of Bone and Rheumatology Research*. 2016: 3(2); 28-32.

North, LR. Pickell, M. Hetzler, M. Bryant, JT. Deluzio, KJ. Bicknell, RT. Effect on implant geometry on range of motion and adduction deficit in reverse shoulder arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2015; 24(9): 1359-1366

Forbes, A. Pickell, M. Foroughian, M. Yao, L. Lewis, J. Veldhuizen, R. Alveolar macrophage depletion is associated with increased surfactant pool sizes in adult rats. *J Appl Physiol*. 2007; 103:637-645.

McCormack R, Pickell M, Willis A, Kummer F, Montgomery K, McHugh M, Alaia M. The effect of bone density on suture anchor function: cyclic and ultimate load to failure testing of all-suture and solid anchors in a sawbones model. (Article submitted KSSTA 2017)

II. Podium Presentations

2022 Hans Uttoff Day, University of Ottawa. Utilizing ramen spectrometry for analysis of cartilage, a proof of concept.

2021 Canadian Orthopedic Association Annual Meeting, Halifax NS. An economic comparison of distal femoral fixation versus distal femoral replacement for femur fracture.

- 2021 Han Utoff Research Day, University of Ottawa. An economic comparison of distal femoral fixation versus distal femoral replacement for femur fracture.
- 2018 American Academy of Orthopedic Surgeons Annual Meeting. A prospective observational study of the use of narcotics versus NSAIDs pain medication after routine arthroscopic knee meniscectomy.
- 2017 Eastern Orthopedic Association. Adipose tissue area better than BMI at predicting post-operative outcome following arthroscopic meniscectomy.
- 2015 International Conference of on Surgical Education and Training. Virtual reality versus bench-top simulation in the acquisition of surgical skills.
- 2015 Canadian Orthopedic Association Annual Meeting, Vancouver BC. A novel 3D CT image registration technique for evaluating glenoid baseplate and screw placement in reverse shoulder arthroplasty.
- 2015 Canadian Orthopedic Association Annual Meeting, Vancouver BC. Determining the effect of implant design variables on impingement and range of motion in reverse shoulder arthroplasty.
- 2015 Canadian Orthopedic Association Annual Meeting, Vancouver BC. Injected versus oral deep vein thrombosis prophylactic therapy: A patient satisfaction study.
- 2015 American Shoulder and Elbow Society, Las Vegas NV. Determining the effect of implant design variables on impingement and range of motion in reverse shoulder arthroplasty.
- 2014 World Congress of Biomechanics, Boston MA. In vitro detection of impingement in reverse shoulder arthroplasty.
- 2014 Computer Assisted Radiology and Surgery, Fukuoka Japan. A novel 3D method for evaluating glenoid implant and screw positioning for reverse shoulder arthroplasty.
- 2014 William Ersil Research Day, Kingston Ont. Injected versus oral deep vein thrombosis prophylactic therapy: A patient satisfaction study.
- 2014 William Ersil Research Day, Kingston Ont. Determining the effects of implant design and range of motion in reverse shoulder arthroplasty.
- 2014 Charles Sorbie Day, Kingston, Ont. A comparison of computer-assisted and conventional surgery baseplate and screw placement in reverse shoulder arthroplasty.
- 2014 Canadian Orthopedic Association Annual Meeting, Montreal, QC. Assessing the accuracy of femoral tunnel placement in anatomic ACL reconstruction.
- 2014 Canadian Orthopedic Resident Association Annual Meeting, Montreal, QC. Anatomic coracoclavicular ligament reconstruction: A novel surgical technique.
- 2014 Canadian Orthopedic Resident Association Annual Meeting, Montreal, QC. The development of an arthroscopic skills curriculum: validation of a global rating scale in a virtual reality and bench-top simulator.
- 2013 William Ersil Day, Kingston, ON. Accuracy of radiographic and CT scan methods for assessment of glenoid inclination and screw position in reverse shoulder arthroplasty.

2013 William Ersil Day, Kingston ON. Assessing the accuracy of femoral tunnel placement in anatomic ACL reconstruction.

2013 William Ersil Day, Kingston, ON. The development of an arthroscopic skills curriculum: Validation of a global rating scale in a virtual reality and bench-top simulator.

2013 William Ersil Day, Kingston, ON. Anatomic coracoclavicular ligament reconstruction: A novel surgical technique.

III. Poster Presentations

2014 Canadian Orthopedic Association Annual Meeting, Montreal, QC. The development of an arthroscopic skills curriculum: validation of a global rating scale in a virtual reality and bench-top simulator. (Poster presentation)

2014 American Academy of Orthopedic Surgeons Annual Meeting, New Orleans, LA. Accuracy of radiographic and CT scan methods for assessment of glenoid inclination and screw position in reverse shoulder arthroplasty.

(Poster presentation)

2013 Canadian Orthopedic Association Annual Meeting, Winnipeg, MB. Dislocation by impingement in reverse shoulder arthroplasty.

(Poster presentation)

2013 Canadian Orthopedic Association Annual Meeting, Winnipeg, MB. Accuracy of radiographic, CT scan, and 3D reconstruction methods for assessment of glenoid inclination and screw position in reverse shoulder arthroplasty.

(Poster presentation)

2013 William Ersil Day, Kingston, ON. In vitro detection of impingement in reverse shoulder arthroplasty. (Poster presentation)

2011 William Ersil Day, Kingston, ON. Does total ankle replacement have an affect on the development of peritalar joint arthritis.

(Poster presentation)

III. Multimedia Publications

Lui, J. Zacchilli, M. Pickell, M. Dai, A. Rokito, A. Jazrawi, L. Arthroscopic bony bankart repair for traumatic shoulder dislocation. Orthopedic Video Theatre, AAOS, New Orleans, NV.

Pickell, M. Dai, A. Meislin R. Proximal patellar realignment: Trochleoplasty, MPFL reconstruction and biologic patellar resurfacing. Vumedi.

Pickell, M. Pham, H. Sherman, O. Superior capsular reconstruction. Vumedi.

IV. Invited Lectures

- 2021 Asian Arthroscopy Association General meeting – Thailand
All inside ACL reconstruction
- 2021 Canadian Orthopedic Association General meeting – Virtual
Panelist ACL reconstruction
- 2020 Canadian Orthopedic Association General meeting – Virtual
All inside ACL reconstruction
- 2020 Canadian Orthopedic Association General meeting – Virtual
Osteochondral Allograft Transplantation
- 2019 Canadian Orthopedic Association General meeting – Virtual
Panelist ACL reconstruction
- 2019 Toronto Knee Symposium – Toronto Ontario
Panelist and lab instructor
- 2019 Florida West Sports Medicine Conference – Florida
Osteochondral defects treatment algorithm
- 2019 Canadian Arthroscopy Meeting – Clear water Florida
Lab instructor
- 2019 Ottawa Knee Symposium – Ottawa Ontario
Panelist and lab instructor
- 2019 Arthroscopy Association of North America
Panelist – hamstring repairs
- 2018 Canadian Arthroscopy Meeting – Clear water Florida
Lab instructor

V. Book Chapters

Pickell M, Swift B , Youm T. Epidemiology, Biomechanics, and Classification of Proximal Hamstring Tears. In: Proximal Hamstring Tears: From Endoscopic Repair to Open Reconstruction. 2020. (pp. 115-121). Springer, Cham. DOI: 10.1007/978-3-030-56025-6_2