

OUR RESEARCH IS GOING GLOBAL!

• **DR. TIM DWYER WILL BE ATTENDING THE 2021 AUSTRALIAN ORTHOPAEDIC ASSOCIATION IN NOVEMBER AND WILL PRESENT FOUR ABSTRACTS:**

Use of an Artificial Intelligence System for Enhancing Post-Operative Recovery in Hip Arthroscopy Patients: A Quality Improvement Pilot Study

Injection of Bone Marrow Aspirate (BMA) for Glenohumeral Joint Osteoarthritis: A Pilot Randomized Control Trial

0 vs 30 Degrees For Tibial Graft Fixation During Anatomic Single-bundle Anterior Cruciate Ligament Reconstruction With Bone-patellar Tendon Bone Autograft – A Randomized Controlled Trial

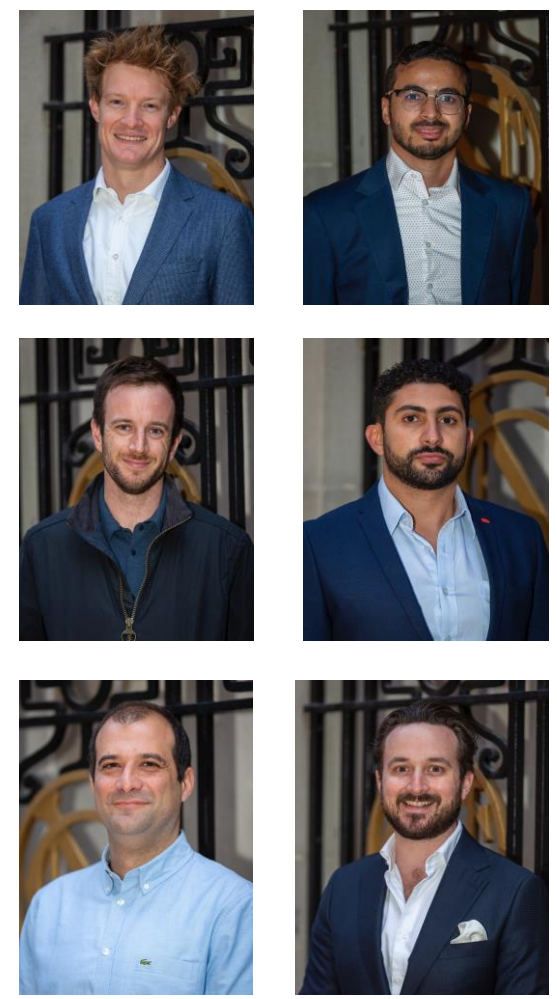
Incidence of graft-tunnel mismatch in anatomic anterior cruciate ligament reconstruction using bone-patella tendon-bone autograft

FELLOWS

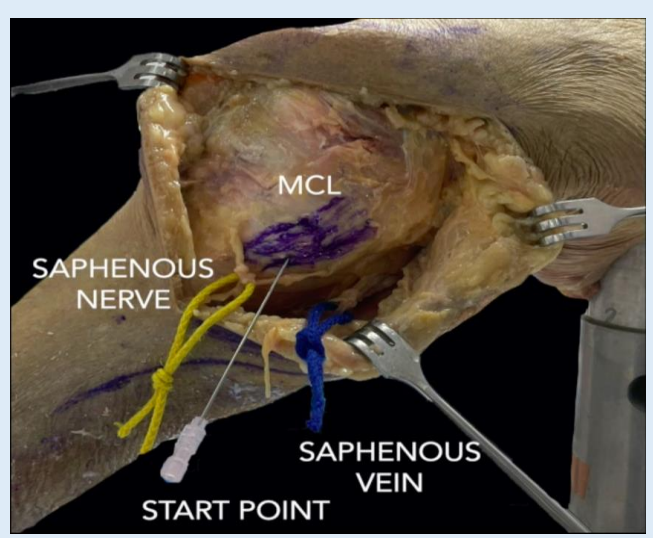
A WARM WELCOME TO OUR 2021-2022 FELLOWS!

This year's UTOSM fellows have some exciting research projects in the works:

- **DR. FALKO DAHM** – The Use of Computed Tomography in FAI
- **DR. FAHAD AL HULAIBI** – Post-operative Laxity Assessment and Clinical Outcomes Using Stress Radiographs
- **DR. IAN WHATLEY** – The Impact of Psychological Factors on the Outcome of Surgical Repair for Rotator Cuff Tears
- **DR. BANDAR AHMED** – Proportionate Lengthening – Developing a Novel Measurement of the Acutely Ruptured Achilles Tendon and a Potential Correlate of Function
- **DR. EVANGELOS TOURVAS** – Qualitative Study Exploring Recovery and Anterior Knee Pain After ACLR with Patellar, Hamstring, and Quadriceps Tendon Autografts
- **DR. TODD MASON** – Validity and Reliability of Axial View Radiographs to Objectively Measure PCL Laxity



NEW PROJECTS



Dr. Danny Whelan demonstrating a cadaveric MCL release

- **MCL RELEASE** – An RCT evaluating the safety and efficacy of releasing the MCL during medial meniscal surgery
- **SECURE** – A pharma trial exploring the efficacy of microfracture plus Geistlich Chondro-Gide® Articular Cartilage Cover in the treatment of large lesions, versus microfracture (by itself) in the treatment of small lesions
- **CIRCUT** – An open cohort study assessing functional and patient-reported outcomes in those with cartilage defects undergoing various cartilage restoration procedures
- **SQuASH** – An RCT comparing outcomes among pediatric ACLR patients who have received either the hamstring or quadriceps tendon

2021 PUBLICATIONS

1. [Development of an intervention to manage knee osteoarthritis risk and symptoms following anterior cruciate ligament injury](#) – Dwyer, T., Ogilvie-Harris, D., Chahal, J.
2. [Editorial Commentary: Patients Who Achieve a Minimal Clinically Important Difference \(Feel Better\) Early After Hip Arthroscopy Have the Highest Rates of Long-Term Satisfaction](#) – Chahal, J., Dwyer, T.
3. [Injection of Bone Marrow Aspirate for Glenohumeral Joint Osteoarthritis: A Pilot Randomized Control Trial](#) – Dwyer, T., Hoit, G., Henry, P., Leroux, T., Veillette, C., Theodoropoulos, J., Ogilvie-Harris, D., Chahal, J.
4. [What is the Importance of Psychological Measures to Determine Readiness to Return to Sports After Anterior Cruciate Ligament Reconstruction?](#) – Dwyer, T., Whelan, DB., Chahal, J., Theodoropoulos, J.
5. [The Effects of Blood Flow Restriction in Patients Undergoing Knee Surgery: A Systematic Review and Meta-analysis](#) – Theodoropoulos, J., Leroux, T., Chahal, J.
6. [Postoperative Pain Is Associated With Psychological and Physical Readiness to Return to Sports One-Year After Anterior Cruciate Ligament Reconstruction](#) – Hoit, G., Dwyer, T., Whelan, DB., Theodoropoulos, J., Ogilvie-Harris, D., Chahal, J.
7. [The accuracy of routine knee MR imaging in detection of acute neurovascular injury following multiligamentous knee injury](#) – Whelan, DB.
8. [Conversion to Total Hip Arthroplasty After Hip Arthroscopy: A Cohort-Based Survivorship Study With a Minimum of 2-Year Follow-up](#) – Hoit, G., Whelan, DB.
9. [Posterolateral Corner Injuries](#) – Whelan, DB.
10. [In Situ Placement Versus Anterior Transposition of the Ulnar Nerve for Distal Humerus Fractures Treated With Plate Fixation: A Multicenter Randomized Controlled Trial](#) – Nauth, A
11. [A Comparison of Acute Complications and Mortality Between Geriatric Knee and Hip Fractures: A Matched Cohort Study](#) – Nauth, A.
12. [Distal Humerus Fractures](#) – Nauth, A.
13. [Periprosthetic Fractures: Knee](#) – Nauth, A.
14. [The Epidemiology of Stress Fractures in Sport](#) – Wasserstein, D.
15. [Risk factors for the development of degenerative changes among patients undergoing rotator cuff repair: A systematic review](#) – Abouali, J., Sheth, U.
16. [Posterior Cruciate Ligament Injuries](#) – Abouali, J., Theodoropoulos, J.
17. [Systematic Arthroscopic Treatment of Synovial Chondromatosis of the Knee](#) – Theodoropoulos, J.
18. [Femoral Antegrade Starting Tool \(FAST\) for intramedullary nailing](#) – Tomescu, S.
19. [Analysis of the relationship between surgeon procedure volume and complications after total knee arthroplasty using a propensity-matched cohort study](#) – Tomescu, S.
20. [How much is enough for total knee arthroplasty?](#) – Tomescu, S.
21. [Editorial Commentary: Management of First-Time Anterior Shoulder Instability Requires Risk Stratification and Surgery for Many, But Not All](#) – Sheth, U.
22. [Early outcomes of augmented glenoid components in anatomic total shoulder arthroplasty: a systematic review](#) – Sheth, U., Henry, P.
23. [Isolated Acetabuloplasty for Femoroacetabular Impingement: Favorable Patient-Reported Outcomes and Sustained Survivorship at Minimum 5-Year Follow-up](#) – Sheth, U.
24. [Are two plates better than one? A systematic review of dual plating for acute midshaft clavicle fractures](#) – Sheth, U.
25. [Scapular Notching Following Ipsilateral Traumatic Clavicle Fracture in Reverse Total Shoulder Arthroplasty: A Case Report](#) – Sheth, U.
26. [A lower Instability Severity Index score threshold may better predict recurrent anterior shoulder instability after arthroscopic Bankart repair: a systematic review](#) – Sheth, U.
27. [Entrustable Professional Activities in Orthopaedics](#) - Dwyer, T., Leroux, T., Ogilvie-Harris, D., Murnaghan, L.
28. [The Use of Telehealth for Orthopedic Consultations and Assessments: A Systematic Review](#) – Veillette, C., Leroux, T.
29. [Update on all-arthroscopic vs. mini-open rotator cuff repair: A systematic review and meta-analysis](#) - Leroux, T.
30. [A meta-analysis of level I evidence comparing tenotomy vs tenodesis in the management of long head of biceps pathology](#) - Leroux, T.
31. [Prevention and Treatment of Nerve Injuries in Shoulder Arthroplasty](#) - Leroux, T., Paul, R.
32. [What Goes Bump in the Night: An Evaluation of Emergency Department Visits Following Total Joint Arthroplasty](#) - Leroux, T.
33. [Is There a Disadvantage to Early Physical Therapy After Multiligament Surgery for Knee Dislocation? A Pilot Randomized Clinical Trial](#) - Hoit, G., Chahal, J., Whelan, D.
34. [Perioperative Pain and Addiction Interdisciplinary Network \(PAIN\): consensus recommendations for perioperative management of cannabis and cannabinoid-based medicine users by a modified Delphi process](#) - Leroux, T.
35. [Arthroscopic Bankart Repair With Remplissage in Comparison to Bone Block Augmentation for Anterior Shoulder Instability With Bipolar Bone Loss: A Systematic Review](#) - Leroux, T.
36. [Update on all-arthroscopic vs. mini-open rotator cuff repair: A systematic review and meta-analysis](#) - Leroux, T.
37. [A profile of patient response across surgical end-stage hip, knee and spine osteoarthritis](#) - Veillette, C., Ogilvie-Harris, D.
38. [The Clinically Important Difference and Patient Acceptable Symptomatic State for Commonly Used Patient-Reported Outcomes After Knee Cartilage Repair](#) - Chahal, J.
39. [Case Studies AAOS Clinical Practice Guideline: Management of Rotator Cuff Injuries](#) - Chahal, J.
40. [QUADRICEPS TENDON RUPTURES: CURRENT LANDSCAPE OF TREATMENT IN CANADA](#) - R. Paul, T. Dwyer, D.B. Whelan, J. Chahal
41. [Editorial Commentary: Injections for Knee Osteoarthritis: Doc, You Gotta Help Me!](#) - Dwyer, T., Chahal, J.
42. [Differential microrna profile of mesenchymal stromal cells identifies target genes which improve therapeutic efficacy in the context of osteoarthritis](#) - Chahal, J.
43. [Risk of Total Hip Arthroplasty after Acetabular Fracture Fixation: The Importance of Age](#) - Hoit, G., Henry, P., Wasserstein, D.
44. [Fixation using Alternative Implants for the Treatment of Hip Fractures \(FAITH-2\): The Exploratory Health-Related Quality of Life and Patient-Reported Functional Outcomes of a Multi-Centre 2 × 2 Factorial Randomized Controlled Pilot Trial in Young Femoral Neck Fracture Patients](#) - FAITH Study, Nauth, A.
45. [Polytrauma: update on basic science and clinical evidence](#) - Nauth, A.
46. [In Site Placement vs. Anterior Transposition of the Ulnar Nerve for Distal Humerus Fractures Treated with Plate Fixation: A Multi Centre Randomized Controlled Trial](#) - Nauth, A.
47. [Systemically impaired fracture healing in small animal research: A review of fracture repair models](#) - Nauth, A.
48. [The induced membrane technique for bone defects: Basic science, clinical evidence, and technical tips](#) - Nauth, A., Hoit, G.
49. [Regional anesthesia and acute compartment syndrome: principles for practice](#) – Dwyer, T. Nauth, A.
50. [Preoperative MRI Accurately Detects the Arthroscopic Comma Sign in Subscapularis Tears](#) – Dwyer, T. Theodoropoulos, J.
51. [Implementation of the Good Life with osteoarthritis in Denmark \(GLA:D\) Program across Canada for the Management of Hip and Knee Osteoarthritis](#) – Veillette, C.
52. [Acute Postoperative Pulmonary Embolism Detected at Home by a Patient's Personal Activity Monitor: A Case Report](#) – Leroux, T.
53. [Psychological interventions to reduce postoperative pain and opioid consumption: a narrative review of literature](#) – Leroux T.
54. [Arthroscopic Medial Meniscal Posterior Root Repair With Transtibial Luggage-Tag and Horizontal Mattress Sutures](#) – Whelan, DB
55. [Operative vs. Non-operative Treatment of Acute Displaced Distal Clavicle Fractures: A Multicentre Randomized Controlled Trial](#) – Nauth A.
56. [Lower body mass index and age are predictive of improved pain and health utility scores following arthroscopic management of femoroacetabular impingement](#) – Whelan, DB.
57. [Femoroacetabular impingement surgery leads to early pain relief but minimal functional gains past 6 months: experience from the FIRST trial](#) – Whelan, DB.
58. [Excellent Functional Outcomes and Low Complication Rates Following Knotless Arthroscopic Bankart Repair: A Systematic Review of Clinical and Biomechanical Studies](#) – Abouali, J.
59. [Gouty tophus presenting as an anterior cruciate ligament mass in the knee: Case report and brief review of relevant literature](#) – Abouali, J.
60. [Primary arthroscopic repair of massive rotator cuff tears results in significant improvements with low rate of re-tear](#) – Leroux, T., Henry, P.
61. [Acute Fifth Metatarsal Tuberosity Fractures: A Systematic Review of Nonoperative Treatment](#) – Paul, R., Henry, P.
62. [Basketball vs. Hockey-The Changing Face of Sport-Related Injuries in Canada](#) – Marks, P., Wasserstein, D.
63. [A Comparison of Quadriceps Tendon Autograft With Bone-Patellar Tendon-Bone Autograft and Hamstring Tendon Autograft for Primary Anterior Cruciate Ligament Reconstruction: A Systematic Review and Quantitative Synthesis](#) – Dwyer, T., Whelan, DB., Theodoropoulos, J., Murnaghan, L., Ogilvie-Harris, D., Chahal, J.
64. [The Effects of Pistol Grip Power Tools on Median Nerve Pressure and Tendon Strains](#) – Tomescu, S.
65. [Effects of hospital funding reform on wait times for hip fracture surgery: a population-based interrupted time-series analysis](#) – Wasserstein D.
66. [Osteochondroplasty and Labral Repair for the Treatment of Young Adults With Femoroacetabular Impingement: A Randomized Controlled Trial](#) – Whelan DB.