

## Orthopaedic Surgery

- Casale M, Raszewski J, Mohammed A, Ojard C, Kolodychuk N, Chimento G, Adams T, Waddel BS. Prospective evaluation of a noninvasive hemoglobin measurement system in total joint arthroplasty. *J Surg Orthop Adv.* 2020; 29(2): 94-98. PMID: 32584222.
- Connors J, Grossman J, Zulauf E, Coyer M. Syndesmotic ligament allograft reconstruction for treatment of chronic diastasis. *The Journal of Foot and Ankle Surgery.* 2020. PMID: 32111408.
- Elias J, Tanaka M, Jones K, Cosgarea A. Tibial tuberosity anteriomedialization vs. medial patellofemoral ligament reconstruction for treatment of patellar instability related to malalignment: computational simulation. *Clinical Biomechanics.* 2020; 74:111-117. PMID: 32171152.
- Engel J, Gabra J, Kane P, Kurtz W. Intravenous Iron May Improve Outcomes in Elderly Patients With Operative Hip Fractures. *Geriatric Orthopaedic Surgery & Rehabilitation.* 2020. PMID: 32231863.
- Lichstein P, He J, Estok D, Prather J, Dyer G, Ponce BA, and the Collaborative Orthopaedic Educational Research Group (Vrabec GA). What Is the Prevalence of Burnout, Depression, and Substance Use Among Orthopaedic Surgery Residents and What Are the Risk Factors? A Collaborative Orthopaedic Educational Research Group Survey Study. *Clinical Orthopaedics and Related Research.* 2020; (478): 1709-1718. PMID: 32732555.
- Tanaka M, Cosgarea A, Forman J, Elias J. Factors influencing graft function following MPFL reconstruction: A dynamic simulation study. *J Knee Surg.* 2020. PMID: 32143217.
- Cavanaugh M, Silantyeva E, Pylypiv K, Malekzadeh E, Lanzinger W, Willits RK, Becker ML. RGD-modified nanofibers enhance outcomes in rats after sciatic nerve injury. *J Funct Biomater.* 2019; 10(2): 24. PMID: 31146396.
- Gustafson J, Elias J, Debski R, Farrokhi S. Development and validation of a kinematically-driven discrete element model of the patellofemoral joint. *J Biomech.* 2019; 88: 164-172. PMID: 31003752.
- Kane P, Marley R, Daney B, Gabra J, Thompson T. Safety and Communication in the Operating Room: A Safety Questionnaire After the Implementation of a Blood-Borne Pathogen Exposure Checkpoint in the Surgical Safety Checklist Preprocedure Time-Out. *The Joint Commission Journal on Quality and Patient Safety.* 2019; 45(10): 662-668. PMID: 31451354.
- Matsen III F, Somerson J, Hsu J, Lippitt S, Russ S, Moni B, Neradilek. Clinical effectiveness and safety of the extended humeral head arthroplasty for selected patients with rotator cuff tear arthropathy. *J Shoulder Elbow Surg.* 2019; 28(3): 483-495. PMID: 30392935

- Morris W, Napora J, Conry K, Liu R. Capital Femoral Epiphyseal Extension May Confer Physeal Stability in Slipped Capital Femoral Epiphysis. *Journal of Pediatric Orthopaedics*. 2019; 39(3): 119-124. PMID: 30730415.
- Rezvanifar S, Flesher B, Jones K, Elias J. Lateral patellar maltracking due to trochlear dysplasia: A computational study. *Knee*. 2019; 26(6): 1234-1242. PMID: 31786000.
- Tanaka M, D'Amore T, Elias J, Thawait G, Demehri S, Cosgarea AJ. Anteroposterior distance between the tibial tuberosity and trochlear groove in patients with patellar instability. *Knee*. 2019; 26(6): 1278-1285. PMID: 31668910.
- Via G, Esterle A, Awan H, Jain S, Goyal K. Comparison of local-only anesthesia versus sedation in patients undergoing staged bilateral carpal tunnel release: a randomized trial. *Hand (N Y)*. 2019. PMID: 30880470.
- Weiner D, Guirguis J, Makowski M, Testa S, Shauver L, Morgan D. Orthopaedic manifestations of pseudoachondroplasia. *J Child Orthop*. 2019; 13(4): 409-416. PMID: 31489048.
- Chen A, Conry K, Gilmore A, Son-Hing J, Liu R. Outcomes Following Operative Treatment of Adolescent Mallet Fractures. *HSS Journal, The Musculoskeletal Journal of Hospital for Special Surgery*. 2018; 14(1): 83-87. PMID: 29399000.
- Connors J, Hardy M, Kishman L, Botek G, Verdin C, Rao NM, Kingsley JD. Charcot pathogenesis: a study of in vivo gene expression. *J Foot Ankle Surg*. 2018; 57(6): 1067-1072. PMID: 30368423.
- Elias J, Jones K, Lalonde M, Gabra J, Rezvanifar S, Cosgarea AJ. Allowing one quadrant of patellar lateral translation during medial patellofemoral ligament reconstruction successfully limits maltracking without overconstraining the patella. *Knee Surg Sports Traumatol Arthrosc*. 2018; 26(10): 2883-2890. PMID: 29128875.
- Elias J, Jones K, Copa A, Cosgarea A. Computational simulation of medial versus anteromedial tibial tuberosity transfer for patellar instability. *J Orthop Res*. 2018; 36(12): 3231-3238. PMID: 30024053.
- Elias J, Jones K, Rezvanifar S, Gabra J, Morscher M, Cosgarea AJ. Dynamic tracking influenced by anatomy following medial patellofemoral ligament reconstruction: computational simulation. *Knee*. 2018; 25(2): 262-270. PMID: 29544985.
- Godinsky R, Vrabec G, Guseila L, Filipkowski D, Elias J. Biomechanical comparison of locked versus non-locked symphyseal plating of unstable pelvic ring injuries. *Eur J Trauma Emerg Surg*. 2018; 44(2): 179-184. PMID: 27084539.
- Knecht C, Moley J, McGrath M, Granger J, Stoodley P, Dusane DH. Antibiotic loaded calcium sulfate bead and pulse lavage eradicates biofilms on metal implant materials in vitro. *Journal of Orthopaedic Research*. 2018; 36(9): 2349-2354. PMID: 29603341.
- Liu R, Streit J, Weinberg D, Shaw J, LeeVan E, Cooperman DR. No relationship between mild limb length discrepancy and spine, hip or knee degenerative disease in a

large cadaveric collection. *Orthop Traumatol Surg Res.* 2018; 104(5): 603-607. PMID: 29705080.

- Smith B, Millar E, Jones K, Elias J. Variations in tibial tuberosity to trochlear groove and posterior cruciate ligament distances due to tibial external and valgus rotations. *J Knee Surg.* 2018; 31(6): 557-561. PMID: 28743141.
- Wong M, Desai B, Bautista M, Kwon O, Kolodychuk N, Chimento G. YouTube is a poor source of patient information for knee arthroplasty and knee osteoarthritis. *Arthroplasty Today.* 2018; 5(1): 78-82. PMID: 31020028.
- Anton N, Bean E, Hammonds S, Stefanidis D. Application of mental skills training in surgery: a review of its effectiveness and proposed next steps. *J Laparoendosc Adv Surg Tech A.* 2017; 27(5): 459-469. PMID: 28225325.
- Early N, Elias J, Lippitt S, Filipkowski D, Pedowitz R, Ciccone WJ 2nd. Suture spanning augmentation of single-row rotator cuff repair: a biomechanical analysis. *J Should Elbow Surg.* 2017; 26(2): 337-342. PMID: 27720412.
- Elias J, Smith B, Daney B. Biomechanical analysis of tibial tuberosity medialization and medial patellofemoral ligament reconstruction. *Sports Med Arthrosc.* 2017; 25(2): 58-63. PMID: 28459747.
- Engel J, Gabra J, Esterle A, Lanzinger W, Elias J. In vitro comparison of two barbed suture configurations for flexor tendon repair. *J Hand Microsurg.* 2017; 9(3): 126-130. PMID: 29302136.
- Yang J, Robbins M, Reilly J, Maerz T, Anderson K. The Clinical Effect of a Rotator Cuff Retear: A Meta-analysis of Arthroscopic Single-Row and Double-Row Repairs. *Am J Sports Med.* 2017; 45(3): 733-741. PMID: 27416991.
- Bouton D, Ho C, Abzug J, Brighton B, Ritzman T. The difficult supracondylar humerus fracture: flexion-type injuries. *Instr Course Lect.* 2016; 65: 371-7. PMID: 27049205.
- Elias J, Kelly M, Smirk K, Gall K, Farr J. Dynamic simulation of the effects of graft fixation errors during medial patellofemoral ligament reconstruction. *Orthopaedic Journal of Sports Medicine.* 2016; 4(9): 2325967116665080. PMID: 27709116.
- Elias J, Soehnlen N, Guseila L, Cosgarea A. Dynamic tracking influenced by anatomy in patellar instability. *Knee.* 2016; 23(3): 450-455. PMID: 26922799.
- Gebhart J, Weinberg D, Conry K, Morris W, Sasala L, Liu RW. Hip-Spine Syndrome: Is There an Association Between Markers for Cam Deformity and Osteoarthritis of the Lumbar Spine? *Arthroscopy.* 2016; 32(11): 2243-2248. PMID: 27296870.
- Knapik D, Guraya S, Conry K, D, Liu R. Longitudinal radiographic behavior of accessory navicular in pediatric patients. *J Child Orthop.* 2016; 10(6): 685-689. PMID: 27807730.
- Saigal R, Mundis G, Nguyen S, Bagheri A, Bagheri R, Eastlack RK. 83 - Anterior Column Realignment: A Detailed Analysis of Neurologic Risk and Radiographic Outcomes. *Spine J.* 2016; 16(10): s191.

- Tanaka M, Elias J, Williams A, Demehri S, Cosgarea A. Characterization of patellar maltracking using dynamic kinematic CT imaging in patients with patellar instability. *Knee Surg Sports Traumatol Arthrosc.* 2016; 24(11): 3634-3641. PMID: 27358051.
- Vrabec G, Stevenson W, Elguizaoui S, Kirsch M, Pinkowski J. What is the intraarticular concentration of tobramycin using low-dose tobramycin bone cement in TKA: An in vivo analysis? *Clinical Orthopaedics and Related Research.* 2016; 474(11): 2441-2447. PMID: 27488378.
- Williams A, Elias J, Tanaka M, Thawait G, Demehri S, Carrino JA, Cosgarea AJ. The relationship between tibial tuberosity-trochlear groove distance and abnormal patellar tracking in patients with unilateral patellar instability. *Arthroscopy.* 2016; 32(1): 55-61. PMID: 26440373.