

2021 YEAR IN REVIEW

University of Tennessee Health Science Center - Campbell Clinic Department of Orthopaedic Surgery & Biomedical Engineering

ADULT RECONSTRUCTION

- **Calkins T, McClatchy SG, Rider C, Toy PC.** Mepivacaine versus Bupivacaine Spinal Anesthesia in Total Hip Arthroplasty at an Ambulatory Surgery Center. *J Arthroplasty.* 2021 Nov;36(11):3676-3680. doi: 10.1016/j.arth.2021.07.014. Epub 2021 Jul 30. PMID: 34392991
- **Calkins TE, Hannon CP, Fillingham YA, Culver CC, Berger RA, Della Valle CJ.** Fixed-bearing Medial Unicompartmental Knee Arthroplasty in Patients Younger Than 55 Years of Age at 4-19 Years of Follow-up: A Concise Follow-up of a Previous Report. *J Arthroplasty.* 2021 Mar;36(3):917-921. doi: 10.1016/j.arth.2020.09.042. Epub 2020 Sep 28. PMID: 33051122
- **Calkins TE, Suleiman LI, Culvern C, Alazzawi S, Kazarian GS, Barrack RL, Haddad FS, Della Valle CJ.** Hip Resurfacing Arthroplasty and Total Hip Arthroplasty in the Same Patient: Which Do they Prefer? *Hip Int.* 2021 May;31(3):328-334. doi: 10.1177/1120700019882922. Epub 2019 Oct 15. PMID: 31615288
- **Derefinco KJ, Bong Z, Bursac Z, Hand SB, Johnson KC, Mihalko WM.** Opioid Use Patterns After Primary Total Knee Replacement. *Orthop Clin North Am.* 2021 Apr;52(2):103-110. PMID: 33752831. Review
- **Grupp TM, Schilling C, Schwiesau J, Pfaff A, Altermann B, Mihalko WM.** Response to the Letter to the Editor on: "Tibial Implant Fixation Behavior in Total Knee Arthroplasty: A Study with Five Different Types of Bone Cements". *J Arthroplasty.* 2021 May;35(5):e32-e33. doi: 10.1016/j.arth.2020.11.002. PMID: 33931148
- **Mascioli AA, Shaw ML, Boykin S, Mahadeva P, Wilder JH, Bell JW, Dabov GD, Toy PC.** Total Knee Arthroplasty in Freestanding Ambulatory Surgery Centers: 5-Year Retrospective Chart Review of 90-Day Postsurgical Outcomes and Health Care Resource Utilization. *J Am Acad Orthop Surg.* 2021 Dec 1;29(23):e1184-e1192. doi: 10.5435/JAAOS-D-20-00934. PMID: 33443387
- **Mathew M, Ragsdale TD, Pharr ZK, Rider CM, Mihalko WM, Toy PC.** Risk Factors for Prolonged Time to Discharge in Total Hip Patients Performed in an Ambulatory Surgery Center due to Complaints of the Inability to Void. *J Arthroplasty.* 2021 Nov;36(11):3681-3685. doi: 10.1016/j.arth.2021.06.010. Epub 2021 Jun 24. PMID: 34215461
- **McClatchy SG, Cline JT, Rider CM, Pharr ZK, Mihalko WM, Toy PC.** Blood Management in Outpatient Total Hip Arthroplasty. *Orthop Clin North Am.* 2021 Jul;52(3):201-208. doi: 10.1016/j.ocl.2021.03.004. Epub 2021 May 6. PMID: 34053565. Review

- **McClatchy SG, Rider CM, Mihalko WM, Pharr ZK, Toy PC.** Defining Outpatient Hip and Knee Arthroplasty: A Systematic Review. *J Am Acad Orthop Surg.* 2021 Apr 15;29(8):e410-e415. doi: 10.5435/JAAOS-D-19-00636. Online ahead of print. PMID: 32925385
- **Mihalko WM, Urish K.** Optimal Designs and Surgical Technique for Hip and Knee Joint Replacement: The Best is Yet to Come! *J Orthop Res.* 2021 Sep;39(9):1851-1859. doi: 10.1002/jor.24873. Epub 2020 Oct 13. PMID: 33002224
- **Mihalko WM.** In Vitro Cell Induced Corrosion of Macrophages on CoCrMo Alloy. Pending publication in *J of Arthroplasty.*
- **Pharr ZK, Rider C, Toy PC.** Outpatient Hip Safety in an Ambulatory Surgery Center is Independent of Approach. *J Arthroplasty.* 2021 Jan;36(1):231-235. doi: 10.1016/j.arth.2020.07.068. Epub 2020 Jul 31. PMID: 32826145
- **Sauer A, Kebbach M, Maas A, Mihalko WM, Grupp TM.** The Influence of Mathematical Definitions on Patellar Kinematics Representations. *Materials (Basel).* 2021 Dec 11;14(24):7644. doi: 10.3390/ma14247644. PMID: 34947239
- **Suthon S, Lin J, Perkins R, Crockarell JR, Miranda-Carboni GA, Krun SA.** Estrogen receptor alpha and NFATc1 bind to a bone mineral density-associated SNP to repress WNT5B in Osteoblasts. *Am J Hum Genet.* 2021 Dec 2:S0002-9297(21)00438-9. doi: 10.1016/j.ajhg.2021.11.018. Online ahead of print. PMID: 34906330
- **Wodowski AJ, Throckmorton TW, Mihalko WM, Toy PC.** Anterior Supine Intermuscular Total Hip Arthroplasty at an Ambulatory Surgery Center versus Hospitalization: Cost and Adverse Events. *Orthop Clin North Am.* 2021 Jul;52(3):209-214. doi: 10.1016/j.ocl.2021.03.011. PMID: 34053566

FOOT AND ANKLE

- **Fram B, Corr DO, Rogero RG, Pedowitz DI, Tsai J.** Short-term Complications and Outcomes of the Cadence Total Ankle Arthroplasty. *Foot Ankle Int.* 2021 Sep 22:10711007211043853. doi: 10.1177/10711007211043853. Online ahead of print. PMID: 34549617
- **Friedmann EM, Sims LM, Pattisapu N, Bettin CC.** Early Failure of the Paragon28 Phantom Hindfoot Fusion Nail: A Case Report. *JBJS Case Connect.* 2021 Jul 8;11(3). doi: 10.2106/JBJS.CC.20.01004. PMID: 34237036
- **Hartnett DA, Walsh DR, Richardson DR, Hsu RY.** The Weekend Warrior: Common Foot and Ankle Injuries in Recreational Athletes. *R I Med J (2013).* 2021 Dec 1;104(10):26-30. PMID: 34846379

- **Lindsey BB, Bakshi NK, Holmes JR, Talusan PG, Walton DM, Hearty TM.** Percutaneous Fixation of a Fifth Metatarsal Base Fracture. *J Orthop Trauma.* 2021 Aug 1;35(Suppl 2):S58-S59. doi: 10.1097/BOT.0000000000002165. PMID 34227615
- **Sarfani S, Stone CA Jr., Murphy GA, Richardson DR.** Understanding Penicillin Allergy, Cross-reactivity, and Antibiotic Selection in the Preoperative Setting. *J Am Acad Orthop Surg.* 2021 Oct 15. doi: 10.5435/JAAOS-D-21-00422. Online ahead of print. PMID: 34669610
- **Sims M, Foropoulos L, Bettin CC.** Bilateral Charcot Arthropathy Treated with Bolt-Beam Constructs in Settings of Unilateral Foot Ulcers: A Report of Two Cases. *JBJS Case Connect.* 2021 Jul 9;11(3). doi: 10.2106/JBJS.CC.20.00661. PMID: 34242208
- **Stevens TT, Hartline JT, Ojo O, Grear BJ, Richardson DR, Murphy GA, Bettin CC.** Race and Insurance Status Association With Receiving Orthopedic Surgeon-Prescribed Foot Orthotics. *Foot Ankle Int.* 2021 Jul;42(7):894-901. doi: 10.1177/1071100721990343. Epub 2021 Feb 16. PMID: 33588617
- **Yeoh JC, Ruta DJ, Murphy GA, Richardson DR, Ishikawa SN, Grear BJ, Bettin CC, Smith RA.** Analysis of Wheeled Knee Walker Use Following Foot and Ankle Surgery or Injury. *JJ Foot Ankle Surg.* 2021 Sep-Oct;60(5):946-949. doi: 10.1053/j.fjas.2021.04.001. Epub 2021 Apr 9. PMID: 33994082

GENERAL

- **Azar FM.** Hot Topics in Orthopedics. *Orthop Clin North Am.* 2021 Apr;52(2):xv-xvi. PMID: 33752843
- **Azar FM.** Preface. *Orthop Clin North Am.* 2021 Jan;52(1):xi. PMID: 33222988
- **Azar FM.** Preface. *Orthop Clin North Am.* 2021 Jul;52(3):xi. doi: 10.1016/j.ocl.2021.03.012. Epub 2021 May 7. PMID: 34053575
- **Azar FM.** Preface. *Orthop Clin North Am.* 2021 Oct;52(4):xv. doi: 10.1016/j.ocl.2021.06.001. Epub 2021 Jul 29. PMID: 34538356
- **Dooley JH, Bettin KA, Bettin CC.** The Current State of the Residency Match. *Orthop Clin North Am.* 2021 Jan;52(1):69-76. doi: 10.1016/j.ocl.2020.08.006. Epub 2020 Oct 27. PMID: 33222986 Review
- **Gu Y, Yao L, Meng X, Graff JC, Thomason D, Li J, Dong W, Jiao Y, Aleya L, Maida M, Wang CY, Zangerl B, Genini S, Ray K, Goldman E, Ji J, Alexandrov AV, Sun D, Gu W, Wang Y.** A Cost-effective Plan for Global Testing - An Infection Rate Stratified, Algorithm Guided, Multiple-level, Continuously Pooled Testing Strategy. *Sci Total Environ.* 2021 Apr 15;765:144241. doi: 10.1016/j.scitotenv.2020.144251. Epub 2020 Dec 24. PMID: 33387925
- **Gu T, Wang L, Xie N, Meng X, Li Z, Postlethwaite A, Aleya L, Howard SC, Gu W, Wang Y.** Toward a Country-Based Prediction Model of COVID-19 Infections and Deaths Between Disease Apex and End: Evidence From Countries With Contained Numbers of COVID-19. *Front Med (Lausanne).* 2021 Jun 10;8:585115. doi: 10.3389/fmed.2021.585115. PMID: 34179029

- **Ma L, Yu Z, Jiao Y, Lin L, Zhong W, Day SW, Postlethwaite A, Chen H, Li Q, Yin H, Wang G.** Capacity of transportation and spread of COVID-19-an ironical fact for developed countries. *Environ Sci Pollut Res Int.* 2021 Jul;28(28):37498-37505. doi: 10.1007/s11356-021-12765-5. Epub 2021 Mar 13. PMID: 33713261
- **Yin H, Sun T, Yao L, Jiao Y, Ma L, Lin L, Graff JC, Aleya L, Postlethwaite A, Gu W, Chen H.** Association Between Population Density and Infection Rate Suggests the Importance of Social Distancing and Travel Restriction in Reducing the COVID-10 Pandemic. *Environ Sci Pollut Res Int.* 2021 Aug;28(30):40424-40430. doi: 10.1007/s11356-021-12364-4. Epub 2021 Jan 13. PMID: 33442802
- **Yu Z, Wang G, Goldman E, Zangerl B, Xie N, Cao Y, Chen J, Day SW, Howard SC, Maida M, Ray K, Jablonski MM, Ji J, Postlethwaite A, Gu W, Sun D, Aleya L.** Covid-19 Vaccine: Call for Employees in International Transportation Industries and International Travelers as the First Priority in Global Distribution. *Open Med (Wars).* 2021 Jan 11;16(1):134-138. PMID: 33521319

HAND

- **Doering TA, Mauck BM, Calandruccio JH.** Hot Topics in Hand Surgery. *Orthop Clin North Am.* 2021 Apr;52(2):149-155. PMID: 33752836
- **Holbrook HS, Doering TA, Mauck BM.** Common Complications in the Treatment of Distal Radius Fracture. *Orthop Clin North Am.* 2021 Jul;52(3):241-250. doi: 10.1016/j.ocl.2021.03.009. Epub 2021 May 7. PMID: 34053569. Review
- **Johnson E, Stelzer J, Romero AB, Erntz JR.** Recognizing and Treating Trigger Finger. *J Fam Pract.* 2021 Sep;70(7):334-340. PMID: 34818165
- **Thompson NB.** Complication of Volar Plating of Distal Radial Fractures: A Review. *Orthop Clin North Am.* 2021 Jul;52(3):251-256. doi: 10.1016/j.ocl.2021.03.010. Epub 2021 May 7. PMID: 34053570. Review

PEDIATRICS

- **Brown DW, Iorio TJ, Mosher ZA, Beaty, JH, Warner WC, Sawyer JR, Spence DD, Sheffer BW, Kelly DM.** Intra-observer and Inter-observer Reliability of the Peritubercle Lucency Sign in Slipped Capital Femoral Epiphysis. 2021 Mar 1;41(3):159-163. doi: 10.1097/BPO .0000000000001733. PMID: 33332871
- **Kelly DM, Mahmoud K, Mauck BM.** Polydactyly of the Foot: A Review. *J Am Acad Orthop Surg.* 2021 May1;39(9):361-369. Online ahead of print. PMID: 33443388
- **Kelly DM.** A Foot to Last a Lifetime-Is Hindfoot Fusion Ever Appropriate for Pediatric Orthopaedic Conditions? *J Pediatr Orthop.* 2021 July1;41(Suppl1):S39-S46. doi: 10.1097/BPO.0000000000001777. PMID: 34096536
- **Laine JC, Novotny SA, Tis JE, Sankar WN, Martin BD, Kelly DM, Gilbert SR, Shah H, Joseph B, Kim HKW; International Perthes Study Group.** Demographics and Clinical

Presentation of Early-Stage Legg-Calve-Perthes Disease: A Prospective, Multicenter, International Study. *J Am Acad Ortho Surg.* 2021 Jan15;29(2):e85-e91. doi: 10.5435/JAAOS-D-19-00379. PMID: 32868700

- **McDonald TC, Heffernan MJ, Ramo B, Haber L, Sheffer B, Murphy J, Murphy R, Fletcher N, Coyne K, Lubicky J, Bumpass DB, Crawford C 3rd, Carreon L, Toner S, Stafford WH, Poppino K, Adams T, Song BM, Gidwani S, Taillac H, Cornaghi M, Sukkarieh H, Wright PB, Conklin M, Gilbert S, Thimothée J, Bhanat E, Brooks JT; Pediatric Orthopaedic Obesity Research Consortium.** Surgical Outcomes of Obese Patients From Endemic Areas of Obesity in the United States. *J Pediatr Orthop.* 2021 Nov-Dec 01;41(10):e865-e870. doi: 10.1097/BPO.0000000000001958. PMID: 34469396
- **Mir H, Downes K, Chen AF, Grewal R, Kelly DM, Lee MJ, Leucht P, Dulai SK.** Physician Wellness in Orthopaedic Surgery: A Multinational Survey Study. *Bone Jt Open.* 2021 Nov;2(11):932-939. doi: 10.1302/2633-1462.211.BJO-2021-0153. PMID: 34766825
- **Pattisapu N, Elrod R, Piana L, Sheffer BS, Sawyer JR, Spence DD, Beaty JH, Warner WC, Kelly DM.** Infection Trends After Open Fractures in Pediatric Patients: A Study of Data Over 11 Years. Publication pending in JSOA
- **Pennock AT, Heyworth BE, Bastrom T, Bae DS, Boutelle KE, Busch MT, Edmonds EW, Ellis HB, Hergott K, Kocher MS, Li Y, Liotta ES, Pandya NK, Perkins C, Sabatini CS, Spence DD, Willimon SC, Wilson PL; FACTS Study Group, Nepple JJ.** Changes in superior displacement, angulation, and shortening in the early phase of healing for completely displaced midshaft clavicle fractures in adolescents: results from a prospective, multicenter study. *J Shoulder Elbow Surg.* 2021 Dec;30(12):2729-2737. doi: 10.1016/j.jse.2021.05.006. Epub 2021 Jun 2. PMID: 34089880
- **Rambo A, McGee TS, Spence DD, Sheffer BW, Kelly DM, Beaty JH.** "RAMBO" Lesions: Radiographic Anomalies Missed By Orthopaedists. *JPOSNA.* Vol 3, No 1: pp. 1-8. (2021):February 2021
- **Rambo A, Rhodes L, Lomax JL, Cao X, Steele J, Romer KR, Spence DD, Sheffer BW, Warner WC, Sawyer JR, Kelly DM.** Factors That Influence Acquisition of Lower Extremity Braces in the Pediatric Orthopaedic Population. *J Pediatr Orthop.* 2021 Nov 1. doi: 10.1097/BPO.0000000000001998. Online ahead of print. PMID: 34723893
- **Roye B, Marciano G, Matsumoto H, Fields MW, Campbell M, White KK, Sawyer J, Smith JT, Luhmann S, Sturm P, Sponseller P, Vitale MG; Growing Spine Study Group, Children's Spine Study Group.** Author's Response to Letter to the Editor Regarding "Is Rod Diameter Associated with the Rate of Rod Fracture in Patients Treated with Magnetically Controlled Growing Rods?" *Spine Deform.* 2021 May 31. doi: 10.1007/s43390-021-00355-x. Online ahead of print. PMID: 34057702
- **Sawyer JR.** Radiation Reduction Strategies in Pediatric Orthopaedics. *J Pediatr Orthop.* 2021 Jul 1;41(Suppl1):S75-S79. doi: 10.1097/BPO.0000000000001822. PMID: 34096542
- **Sheffer BW, Kelly DM, Spence DD, Walker KL, Westbrooks TJ, Palm PH, Nolan VG, Sawyer JR.** Can Pediatric Orthopaedic Surgery Be Done Safely In a Freestanding Ambulatory Surgery Center? Review of 3780 Cases. *J*

Pediatr Orthop. 2021 Jan;41(1):385-e89. doi: 10.1097/BPO.0000000000001670. PMID: 32852367

- **Shore B, Mulpuri K, Spence DD, Shrader W.** Radiographic Hip Screening in Cerebral Palsy: Developing POSNA Wide Consensus. *JPOSNA.* Vol 3/ No1; pp. 1-13. (2021):February 2021
- **Stewart RJ, Strickland CD, Sawyer JR, Kumar P, Gungor B, Longjohn M, Kelly DM, Kink RJ.** Hunger Games: Impact of Fasting Guidelines for Orthopaedic Procedural Sedation in the Pediatric Emergency Department. *J of Emerg Med.* 2021 Apr;60(4):436-443. doi: 10.1016/j.jemermed.2020.10.038. PMID: 33323292

PHYSICAL MEDICINE

- **Beard NM.** Nerve Ablation in the Foot and Ankle. *Phys Med Rehabil Clin N Am.* 2021 Nov;32(4):803-818. doi: 10.1016/j.pmr.2021.05.014. Epub 2021 Jul 29. PMID: 34593145
- **Martinez SF.** Dance is Art. *Phys Med Rehabil Clin N Am.* 2021 Feb;32(1):xiii. PMID: 33198902
- **Martinez SF.** Foreword. *Phys Med Rehabil Clin N Am.* 2021 Nov;32(4):xiii-xiv. doi: 10.1016/j.pmr.2021.07.001. Epub 2021 Sep 15. PMID: 34593146
- **Martinez SF.** Innovation and Adaptation. *Phys Med Rehabil Clin N Am.* 2021 May;32(2):xv. doi: 10.1016/j.pmr.2021.02.002. PMID: 33814070 No abstract available
- **Martinez SM.** Foreword. *Phys Med Rehabil Clin N Am.* 2021 Aug;32(3):xi-xii. doi: 10.1016/j.pmr.2021.05.002. PMID: 34175018

SHOULDER AND ELBOW

- **Aibinder W, Schoch B, Parsons M, Watling J, Ko J, Gobbato B, Throckmorton TW, Routman H, Fen W, Simmons C, Roche CP.** Risk Factors for Complications and Revision Surgery after Anatomic and Reverse Total Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2021 Nov;30(11):e689-e701. doi: 10.1016/j.jse.2021.04.029. Epub 2021 May 5. PMID: 33964427
- **Baessler AM, Joyce MR, Easton RR, Azar FM, Brolin TJ, Throckmorton TW.** Reliability Testing of the Mayo Elbow Performance Score in Postoperative Patients. Publication pending in JSOA
- **Baessler AM, Smith PJ, Brolin TJ, Neel R, Sen S, Zhu R, Bernholt DL, Azar FM, Throckmorton TW.** Preoperative Opioid Usage Predicts Markedly Inferior Outcomes Two Years After Reverse Total Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2021 Aug 30;S1058-2746(21)00643-1. doi: 10.1016/j.jse.2021.07.027. Online ahead of print. PMID: 34474138
- **Baessler AM, Brolin TJ, Azar FM, Sen S, Chang M, Zmistowski BM, Routman HD, Namdari S, Gulotta LV, Throckmorton TW.** Development and Validation of a Predictive Model for Outcomes in Shoulder Arthroplasty: A Multicenter Analysis of Over 2000 Patients. *J Shoulder Elbow Surg.* 2021 Dec;30(12):2698-2702. doi: 10.1016/j.jse.2021.06.007. Epub 2021 Jul 17. PMID: 34284093

- **Calkins TE, Mosher Z, Throckmorton TW, Brolin TJ.** Safety and Cost-Effectiveness of Outpatient Total Shoulder Arthroplasty: A Systematic Review. *J Am Acad Orthop Surg.* 2021 Oct 7. doi: 10.5435/JAAOS-D-21-00562. Online ahead of print. PMID: 34644715
- **Diltz Z, Baessler AM, Brolin TJ.** Tension Hydrothorax After Attempted Arthroscopic Fixation of Greater Tuberosity Fracture in a Trauma Patient: A Case Study. *JBJS Case Connect.* 2021 Nov 4;11(4). doi: 10.2106/JBJS.CC.21.00512. PMID: 34735376
- **Fournier MN, Azar FM, Brolin TJ, Bernholt DL, Throckmorton TW.** Preoperative Comorbidities Predict Lower Physical Therapy Compliance After Shoulder Arthroplasty. *SIA:JSES.* 2021;1-5. <https://doi.org/10.1053/j.sart.2021.09.006>
- **Fryberger CT, Azar FM, Bernholt DL, Brolin TJ, Throckmorton TW.** Failure Rates and Outcomes After Anatomic Total Shoulder Arthroplasty are Equivalent Irrespective of Subscapularis Repair Technique. *SIA:JSES.* 13 Oct 2021. <http://doi.org/10.1053/j.sart.2021.08.002>
- **Fryberger CT, Oh S, Azar FM, Bernholt DL, Throckmorton TW, Brolin TJ.** Single-dose Antibiotic Regimens in Total Shoulder Arthroplasty are Safe in an Outpatient Surgery Setting. *SIA:JSES.* 5 June 2021. <https://doi.org/10.1053/j.sart.2021.05.009>
- **Hartline JT, Nelson CG, Eads RB, Smith RA, Azar FM, Brolin TJ, Throckmorton TW.** Tobacco Use is Associated with Increased Post-operative Pain and Opioid Use After Reverse Total Shoulder Arthroplasty: A Retrospective Cohort Study. *Curr Orthop Pract.* 32(6):559-554, November/December 2021. doi: 10.1097/BCO.0000000000001046
- **Hillesheim RA, Kumar P, Brolin TJ, Bernholt DL, Sethi PM, Kowalsky MS, Azar FM, Throckmorton TW.** Periarticular Liposomal Bupivacaine Mixture Injection versus Single Shot Interscalene Block for Post-operative Pain in Arthroscopic Rotator Cuff Repair: A Prospective Randomized Controlled Trial. *J Shoulder Elbow Surg.* 2021 Dec;30(12):2691-2697. doi: 10.1016/j.jse.2021.08.012. Epub 2021 Sep 16. PMID: 34537339 *Clinical Trial*
- **Hopkins C, Mulligan R, Azar FM, Brolin TJ, Throckmorton TW.** Computed Tomography and Magnetic Resonance Imaging are Similarly Reliable in the Assessment of Glenohumeral Arthritis and Glenoid Version. *Arch Bone & Joint Surg.* 2021 Jan.9(1):64-69. PMID: 33778117
- **Mahendraraj K, ASES Acromial Stress Fracture Group, Brolin TJ, Knack MC, Throckmorton TW, Jawa A.** Predictors of Acromial and Scapular Stress Fracture after Reverse Shoulder Arthroplasty: An ASES Multicenter Study from the Complications of Reverse Arthroplasty Group. *J Shoulder Elbow Surg.* 2021 Oct;30(10):2296-2305. doi: 10.1016/j.jse.2021.02.008. Epub 2021 Mar 4. PMID: 33677115
- **Marigi EM, Lenartowicz KA, Jennewine B, Throckmorton TW, Sperling JW.** Clinical and Radiographic Outcomes of Hybrid Glenoid Fixation with a Central Porous Titanium. Publication pending in JSOA
- **Marigi EM, Duquin TR, Throckmorton TW, Sperling JW.** Hybrid Fixation in Anatomic Shoulder Arthroplasty: Surgical

Technique and Review of the Literature. *JSES: Reviews, Reports & Techniques.* February 25, 2021. <https://doi.org/10.1016/j.xrrt.2021.01.005>

- **Marois A, Azar FM, Bernholt DL, Brolin TJ, Throckmorton TW.** GRIT Score is Predictive of Increased Risk for Opioid Prescription Refill Following Primary Arthroscopic Rotator Cuff Repair. Publication pending in JSOA
- **Marois A, Azar FM, Bernholt DL, Throckmorton TW, Brolin TJ.** An In Depth Assessment of Candidacy for Ambulatory Outpatient Shoulder Arthroplasty. *SIA:JSES.* 18 July 2021. <https://doi.org/10.1053/j.sart.2021.05.016>
- **Namdari S, Nicholson T, Brolin TJ, Lu J, Abboud JA, Lazarus MD.** Healing and Functional Results of Dermal Allograft Augmentation of Complex and Revision Rotator Cuff Repairs. *Am J. Sports Med.* 2021 Jul;49(8):2042-2047. doi: 10.1177/03635465211015194. Epub 2021 May 20.. PMID: 34015245
- **Ochsner MG, Azar FM, Brolin TJ, Bernholt DL, Throckmorton TW.** Reverse Total Shoulder Arthroplasty for Fractures and Post-traumatic Sequelae is Associated with Inferior Forward Elevation strength: A Retrospective Cohort Study. Publication pending in COP
- **Pharr ZK, Walters JD, Walsh RN, Smith RA, Brolin TJ, Azar FM, Brolin TJ, Throckmorton TW.** Outcomes of Reverse Total Shoulder Arthroplasty are Similar in Rotator Cuff-intact and Rotator Cuff-deficient Shoulder. *SIA:JSES.* 4 May 2021; 31(4):662-667. <https://doi.org/10.1053/j.sart.2021.04.003>
- **Pharr AK, Brolin TJ, Azar FM, Bernholt DL, Throckmorton TW.** Frozen Shoulder Manipulation with the FEAR Technique: A Retrospective Case Series with Minimum Two-Year Follow-up. Publication pending in JSOA

SPINE

- **Campion CE, Crawford CH, Berkay F, Mkorombindo T, Carreon LY.** 137. Correction, maintenance of cervical alignment and revision rates: three-level ACDF versus corpectomy ACDF hybrid procedures, *The Spine Journal*, Volume 21, Issue 9, Supplement, 2021, Pages S68-S69, <https://doi.org/10.1016/j.spinee.2021.05.165>
- **Chambers JS, Kropp RG, Gardocki RJ.** Reoperation Rates, and Patient-reported Outcomes of Single and Two-level Anterior Cervical Discectomy and Fusion. *Arch Orthop Trauma Surg.* 2021 Jul 9. doi: 10.1007/s00402-021-04056-y. Online ahead of print. PMID: 34244874

SPORTS

- **Bernholt DL, DePhillipo NN, Aman ZS, Samulesen BT, Kennedy MI, LaPrade RF.** Increased Posterior Tibial Slope Results in Increased Incidence of Posterior Lateral meniscal Root Tears in ACL Reconstruction Patients. *Knee Surg Sports Traumatol Arthrosc.* 2021 Nov;29(11):3883-3891. doi: 10.1007/s00167-021-06456-4. Epub 2021 Feb 1. PMID: 33527197
- **Bernholt DL, Lamplot JD, Bick AM, Nepple.** Utility of the Merchant View Radiograph for Assessment of Tibial Tubercle-Trochlear Groove Distance: A Comparison to MRI in Pediatric and Adolescent Patients. *J Pediatr*

Orthop. 2021 Sep 1;41(8):e628-e634. doi: 10.1097/BPO.0000000000001890. PMID: 34238867

- **Hendrickson BS, Stephens RE, Chang JV, Amburn JM, Pierotti LL, Johnson JL, Hyden JC, Johnson JN, Philip RR.** Cardiovascular Evaluation After COVID-19 in 137 Collegiate Athletes: Results of an Algorithm-Guided Screening. *Circulation.* 2021 May 11;143(19):1926-1928. doi:10.1161/CIRCULATIONAHA.121.053982. Epub 2021 May 10
- **Minaie A, Bernholt DL, Block AM, Patel RM, Wright RW, Matava MJ, Nepple JJ.** Normative PROMIS Scores in Healthy Collegiate Athletes: Establishing a Target for Return to Function in the Young Adult Athlete. *Orthop J Sports Med.* 2021 Aug 13;9(8):23259671211017162. doi: 10.1177/23259671211017162. eCollection 2021 Aug. PMID: 34409111
- **Tasaki A, Morita W, Nozaki T, Yonekura Y, Saito M, Phillips BB, Kiamura N.** Arthroscopic Bankart Repair and Open Bristow Procedure in the Treatment of Anterior Shoulder Instability With Osseous Glenoid Lesions in Collision Athletes. *Orthop J Sports Med.* 2021 May 28;9(5):23259671211008274. doi: 10.1177/23259671211008274. eCollection 2021 May. PMID: 34104661

TRANSLATIONAL

- **Bedingfield SK, Colazo JM, Di Francesco M, Yu F, Liu DD, Di Francesco V, Himmel LE, Gupta MK, Cho H, Hasty KA, Decuzzi P, Duvall CL.** Top-Down Fabricated microPlates for Prolonged, Intra-articular Matrix Metalloproteinase 13 siRNA Nanocarrier Delivery to Reduce Post-Traumatic Osteoarthritis. *ACS Nano.* 2021 Sep 28;15(9):14475-14491. doi: 10.1021/acsnano.1c04005. Epub 2021 Aug 19. PMID: 34409835
- **Bedingfield SK, Colazo JM, Yu F, Liu DD, Jackson MA, Himmel LE, Cho H, Crofford LJ, Hasty KA, Duvall CL.** Amelioration of Post-Traumatic Osteoarthritis via Nanoparticle Depots Delivering Small Interfering RNA to Damaged Cartilage. *Nat Biomed Eng.* 2021 Sep;5(9):1069-1083. doi: 10.1038/s41551-021-00780-3. Epub 2021 Aug 19. PMID: 34413494
- **Bhatti FU, Karydis A, Lee BS, Deguchi T, Kim DG, Cho H.** Understanding Early-stage Posttraumatic Osteoarthritis for Future Prospects of Diagnosis: From Knee to Temporomandibular Joint. *Curr Osteoporos Rep.* 2021 Apr;19(2):166-174. doi: 10.1007/s11914-021-00661-3. Online ahead of print. PMID: 33523424

TRAUMA

- **Kuripla C, Tornetta P 3rd, Foote CJ, Koh J, Sems A, Shamaa T, Vallier H, Sorg D, Mir HR, Streufert B, Spitler C, Mullis B, McGowan B, Weinlein JC, Cannada L, Charlu J, Wagstrom E, Westberg J, Morshed S, Cortez A, Krause P, Marcantonio A, Soles G, Lipof J.** Timing of Flap Coverage With Respect to Definitive Fixation in Open Tibia Fractures. *J Orthop Trauma.* 2021 Aug 1;35(8):430-436. doi: 10.1097/BOT.0000000000002033. PMID: 34267149
- **Major Extremity Trauma Research Consortium (METRC), Weinlein JC.** Effect of Intrawound Vancomycin Powder in Operatively Treated High-risk Tibia Fractures: A Randomized

Clinical Trial. *JAMA Surg.* 2021 May 1;156(5):e207259. doi:10.1001/jamasurg.20207259. Epub 2021 Mar 12. PMID: 33760010

- **McKnight RR, Ruffolo M, Wally MK, Seymour RB, Jeray K, Matuszewski P, Weinlein JC, Hsu JR.** Traumatic Arthrotomies: Do They All Need the Operating Room? *J Orthop Trauma.* 2021 Nov 1;35(11):612-618. doi: 10.1097/BOT.0000000000002093. PMID: 34387570

BOOK CHAPTERS

Editors

- **Azar FM, Editor.** Orthopaedic Knowledge Update: Sports Medicine 6 Print + Ebook with Multimedia. 13Jan2021. Wolters Kluwer.
- **Azar FM, Editor.** Orthopaedic Knowledge Update: Sports Medicine 6. Wolters Kluwer, 2021.
- **Beaty JH, Azar FM.** Campbell's Operative Orthopaedics 14th edition, 2021

Book Chapters - Campbell's Operative

- **Azar FM.** Traumatic Disorders. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Beebe MJ.** Fractures of the Acetabulum and Pelvis. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Bettin CC.** Ankle Arthrodesis. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Bettin CC.** Diabetic Foot. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Bettin CC.** Fractures and Dislocations of the Foot. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Brolin TJ, Throckmorton TW.** Salvage Procedures of the Shoulder and Elbow. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Calandruccio JH, Jobe MT.** Tumors and Tumor Conditions of the Hand. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Calandruccio JH, Mauck BM.** Amputations of the Hand. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Calandruccio JH.** Arthritic Hand. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Calandruccio JH.** Dupuytren Contracture. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Calandruccio JH.** Fractures, Dislocations, and Ligamentous Injuries of the Hand and Wrist. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Cannon DL.** Acute Hand Injuries. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
- **Cannon DL.** Basic Surgical Technique and Postoperative Care. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)

- **Cannon DL.** Flexor and Extensor Tendon Injuries. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
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- **Crenshaw AH.** Soft-tissue Procedures and Osteotomies about the Knee. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
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- **Mascioli AA.** Arthrodesis of the Knee. In Campbell's Operative Orthopaedics 14th edition, 2021. Beaty JH, Azar FM (eds.)
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Book Chapters

- **Bernholt DL, Brolin TJ, Azar FM.** The Elbow-Patient Positioning and Portal Placement. In Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine, 3rd edition, Cole BJ, Chahla J eds. 2021.

- **Brolin TJ, Throckmorton TW.** Revision for Instability After Reverse Shoulder Arthroplasty. In Reverse Shoulder Arthroplasty: A Comprehensive Case-Based Approach. Abboud JA (ed). SLACK, Inc., 2021, p. 277-286.
- **Brolin TJ, Throckmorton TW.** Outpatient Shoulder Arthroplasty. In Shoulder Arthroplasty: Principles and Practice. Wolters Kluwer, 2021
- **Champion CE.** Comprehensive Guide to Adult Deformity, Chapter 24: Combined Techniques, Co-author
- **Cline JT, Mihalko WM.** Cement Technique Matters! In The Technique of Total Knee Arthroplasty, 2nd edition. Mihalko WM, Mont M, eds. Elsevier, 2021
- **Eason T, Mihalko WM.** Setting Up An Outpatient or Same-day Discharge Total Knee Arthroplasty Program. In The Technique of Total Knee Arthroplasty, 2nd edition, Mihalko WM, Mont M, eds. Elsevier, 2021