

## SOA Abstract Presentations

### **Basic Science**

133 - Identifying the Targeting End Point for Distal Tibia Intramedullary Nailing: A Cadaveric Study

*Arun Aneja, MD, PhD, Wake Forest University School of Medicine*

268 - Biomechanical Effect of Labral Augmentation vs. Reconstruction on the Hip Stability

*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

296 - Biomechanical Comparison of Contact Pressures Between Partial vs. Complete Femoral Osteoplasty

*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

332- The Utility of DEXA Scans in Matched Pair Cadaveric Research

*Jie Chen, MD, MPH, Duke University Medical Center*

351 - Stem Cell Conditioned Media Promotes Schwann Cell Proliferation and Viability

*Chukwuweike U. Gwam, MD, Wake Forest School of Medicine*

326 - Foot and Ankle Surgery using Cellular Bone Allograft Augmentation

*Thomas E. Moran, MD, University of Virginia*

195 - A Biomechanical Comparison between Fully and Partially Threaded Sacroiliac Screws

*Huai M. Phen, MBBS, Emory University*

### **Foot & Ankle**

231 - Was Mark Reiley Right? An Outcome Analysis of Intramedullary Total Ankle Arthroplasty vs. Non-Intramedullary Total Ankle Implants

*Craig C. Akoh, BS, Duke University*

120 - Evaluation of the impact of syndesmotic injury on lateral ankle stability using Dynamic Ultrasound

*Rohan Bhimani, MBBS, DNB, Massachusetts General Hospital*

121 - Evaluation of the impact of syndesmotic injury on lateral ankle stability using Dynamic Fluoroscopy

*Rohan Bhimani, MBBS, DNB, Massachusetts General Hospital*

124 - Utility of Weightbearing Computed Tomography to detect Lisfranc Instability

*Rohan Bhimani, MBBS, DNB, Massachusetts General Hospital*

125 - Detection of Syndesmotic Instability using 3D Volume Measurements on Weight-Bearing CT Scan

*Rohan Bhimani, MBBS, DNB, Massachusetts General Hospital*

35 - Cavovarus Hindfoot Is Associated with Peroneal Tendon Pathology  
*Hallie Bradley, MD, UT Southwestern*

333 - Biomechanical Tricortical Kirschner Wire vs. Traditional Fixation for Chevron Osteotomy  
*Jie Chen, MD, MPH, Duke University Medical Center*

288 - Does Plate Pin-site Overlap Increase Infection Risk in Pilon Fractures  
*Alex Dombrowsky, BS, University of Alabama at Birmingham*

382 - Post-Operative Risk Following Total Ankle Arthroplasty in Patients with Depression  
*Kevin X. Farley, BS, Emory University School of Medicine*

108 - Elevated BMI is Associated with Increased Ankle Fracture Severity and Syndesmotic Fixation  
*Jonathan B. Goodloe, MD, Medical University of South Carolina*

153 - Comparison of Subtalar Joint Preparation in Arthroscopic and Open Approaches  
*Jared R. Halstrom, BS, University of Alabama at Birmingham School of Medicine*

162 - Factors Affecting Care Amongst Medicaid-Insured Foot and Ankle Surgery Patients  
*Jared R. Halstrom, BS, University of Alabama at Birmingham School of Medicine*

173 - Hypoalbuminemia is Predictive of Postoperative Complications Following Ankle Fracture Fixation  
*Nathan Kukowski, MD, Emory University*

385 - Outcomes of Hindfoot and Ankle Arthrodesis in Neuropathic Patients  
*David Macknet, MD, Atrium Health/Orthocorolina*

118 - Determination of the Inter- and Intra-Rater Reliability of Fusion Assessment in 1st TMT Joint Arthrodesis  
*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

151 - Effect of Insurance Status on Ankle Fracture Patients  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

152 - Level of Evidence and Fellowship Trends in Foot-Ankle Trauma Publications  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

154 - Predictors of Malreduction in Zone II and III 5th Metatarsal Fractures  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

157 - Joint Preparation and Ray Shortening in First MTP Fusion  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

158 - Mini-Open Approach in Supine Position vs. Prone in Achilles Repair  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

223 - Medical Malpractice Trends in Foot and Ankle Surgery  
*Akhil Sharma, BS, Duke University Medical Center, Department of Orthopaedic Surgery*

186 - Resident Involvement In Patient Care in Revision Total Hip Arthroplasty  
*Charles Sutherland, BS, University of Alabama at Birmingham*

63 - Anatomic Considerations Regarding The Placement Of An Intramedullary Fibular Screw  
*Amy P. Trammell, MD, Wake Forest Baptist*

30 - Foot Width Reduction with Triplanar Tarsometatarsal Arthrodesis for Hallux Valgus  
*Justin Vaida, MD, West Virginia University*

### **Hand & Wrist**

12 - Intramedullary Kirschner Wire Fixation For Transverse Metacarpal Shaft Fractures  
*Devin Collins, DO, Jack Hughston Memorial Hospital*

192- Tendon Rupture in Distal Radius Fractures Using Volar Locking Plates  
*Andrew K. Ence, MD, Medical University of South Carolina*

352 - Do Therapeutic Steroid Injections Increase Post-Operative Complications in Carpal Tunnel Release?  
*Kevin X. Farley, BS, Emory University School of Medicine*

361 - Biomechanical Evaluation of Scapholunate Reconstruction Techniques  
*Thomas Neustein, MD, Emory University*

353 - Treatment of First Carpometacarpal Osteoarthritis with Arthroscopy: A Systematic Review  
*Brianna L. Siracuse, MD, Emory University School of Medicine*

286 - The Influence of Modifiable and Nonmodifiable Variables on CMC Arthroplasty Complications  
*Corey C. Spencer, BS, Emory University*

### **Other**

279 - Evaluating Outcomes, Survivorship and Complication Between Different Pelvic Osteotomy Techniques  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

144 - Concomitant Acetabular Articular Cartilage Lesions in Hip Arthroscopy: A Multi-Center Investigation

*Dominic S. Carreira, MD, Peachtree Orthopedics*

145 - A Multicenter Comparative Analysis of Labral Degeneration in Hip Arthroscopy

*Dominic S. Carreira, MD, Peachtree Orthopedics*

146 - Microinstability in Hip Arthroscopy: Patient Presentation, Surgical Management, and Outcomes

*Dominic S. Carreira, MD, Peachtree Orthopedics*

380 - The True Cost of Maintenance of Certification

*Caleb LaVigne, BS, Mercer University School of Medicine*

303 - Serum and Synovial Fluid Neutrophil-to-Lymphocyte Ratio (NLR): Novel Biomarkers for the Diagnosis and Prognosis of Native Septic Arthritis

*Nathan H. Varady, BS, Harvard Medical School / Massachusetts General Hospital*

### **Pediatrics**

325 - Radiographic Fat Thickness as a Surrogate for BMI in Pediatric Spinal Fusion

*Samuel AbuMoussa, MD, MS, Medical University of South Carolina*

26 - Fixation of Gartland III Supracondylar Humerus Fractures: Stability of All Lateral vs. Cross Pinning Techniques

*Kivanc Atesok, MD, MSc, Childrens Hospital New Orleans*

114 - Resident Self-Assessment and Faculty Evaluation after a Pediatric Orthopaedic Rotation

*Connor D. Burke, BS, Medical University of South Carolina*

378 - Short vs. Long Leg Casts in Pediatric Tibia Fractures

*Bailli S. Fontenot, BS, Louisiana State University School of Medicine*

19 - Spinal Balance and Lumbar Curve Stability after Selective Thoracic Fusion in Idiopathic Scoliosis

*Aaron S. Gebrelul, MD, Texas Scottish Rite Hospital for Children*

246 - Blount's Disease and Obstructive Sleep Apnea: An Underrecognized Association?

*Shawn Gilbert, MD, University of Alabama at Birmingham*

247 - Closed Reduction in the Treatment of Tibial Tubercle Fractures

*Shawn Gilbert, MD, University of Alabama at Birmingham*

251 - Length Unstable Femur Fractures: A Misnomer?

*Shawn Gilbert, MD, University of Alabama at Birmingham*

- 259 - Prognostic Power of a New Classification System for Blount's Disease  
*Shawn Gilbert, MD, University of Alabama at Birmingham*
- 264 - Webril-Only Soft Spica Cast for Pediatric Femoral Fractures: Preliminary Study  
*Shawn Gilbert, MD, University of Alabama at Birmingham*
- 62 - Rib-Based Anchors can Induce Proximal Translational Deformity in EOSD Patients  
*Jonathan B. Goodloe, MD, Medical University of South Carolina*
- 308 - Documentation of Neurovascular Status in Supracondylar Humerus Fractures: The “Dot Phrase” Era of Medicine  
*Alexandra Johnson, DO, MHA, East Tennessee State University Orthopaedic Surgery Residency*
- 100 - Trends and Complications in Operative Treatment of Adolescent Patellar Instability  
*Michelle E. Kew, MD, University of Virginia*
- 31 - Complications with Implant Removal after Femoral Shaft Fractures in Pediatrics  
*Daniel J. Liechti, MD, West Virginia University*
- 386 - Liposomal Bupivacaine for Adolescent Idiopathic Scoliosis Does Not Effectively Decrease Post-Operative Pain  
*David Macknet, MD, Atrium Health/Orthocorolina*
- 372 - Does the Fixation Strategy Affect Pain in Pediatric Femur Fractures?  
*Ryan Mayer, MD, University of Kentucky*
- 110 - Core Decompression with Injection of Autograft for Pediatric Hip Osteonecrosis  
*Tyler C. McDonald, MD, The University of Mississippi Medical Center*
- 111 - The Effect of Obesity on Outcomes in Children with Legg-Calvé-Perthes Disease  
*Tyler C. McDonald, MD, The University of Mississippi Medical Center*
- 112 - Does Obesity Affect Shoulder Balance in Adolescent Idiopathic Scoliosis?  
*Tyler C. McDonald, MD, The University of Mississippi Medical Center*
- 113 - Utilization of Two Surgeons in Scoliosis Surgery for Cerebral Palsy  
*Tyler C. McDonald, MD, The University of Mississippi Medical Center*
- 249 - Intraoperative Navigation for Adolescent Idiopathic Scoliosis Appears Safe to Consider  
*Harold G. Moore, BS, Weill Cornell Medical College*
- 266 - Short-Term Outcomes after Common Pediatric Orthopedic Procedures: A Five-Year Comparison  
*Harold G. Moore, BS, Weill Cornell Medical College*

363 - Does Early Mobilization Decrease Length Of Stay In Pediatric Scoliosis?

*Matthew E. Nungesser, BS, Louisiana State University Health Science Center*

364 - Does Immobilization Inhibit Return to Daycare Following Pediatric Fractures?

*Matthew E. Nungesser, BS, Louisiana State University Health Science Center*

366 - What Financial Incentives Are Created by Pediatric Femur Fracture Reimbursements?

*Matthew E. Nungesser, BS, Louisiana State University Health Science Center*

179 - Pediatric Elbow Injuries at Academic, Tertiary Hospitals: Guiding Resource Allocation

*Andrew B. Rees, BS, Vanderbilt University School of Medicine*

205 - Medial Pinning in Pediatric Supracondylar Humerus Fractures: Safer Than Thought?

*Andrew B. Rees, BS, Vanderbilt University School of Medicine*

20 - A Postoperative Protocol Reduces Opioids Prescribed after Pediatric Orthopaedic Surgery

*Kirsten E. Ross, MD, Vanderbilt University School of Medicine*

171 - Displacement Matters: Identifying Neurovascular Injury in Supracondylar Humerus Fractures

*Jacob D. Schultz, BA, Vanderbilt University School of Medicine*

221 - Two Paths Diverge: Agreement in Typing of Supracondylar Humerus Fractures

*Jacob D. Schultz, BA, Vanderbilt University School of Medicine*

99 - Sugar Tong Splinting vs. Casting: Proximal Pediatric Forearm Fractures

*Brian Sleasman, MD, Medical University of South Carolina*

185 - Physeal-Sparing Rigid Tibial Intramedullary Nailing in Adolescents

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

28 - Pediatric Musculoskeletal Tissue Culture Sensitivity: What Matters and What Doesn't?

*Colby Wollenman, BS, Vanderbilt University School of Medicine*

29 - CRP Rate of Rise Predicts Pediatric Musculoskeletal Infection Severity

*Colby Wollenman, BS, Vanderbilt University School of Medicine*

219 - Does the Song Classification Predict Outcomes in Lateral Condyle Fractures?

*Lucas C. Wollenman, BS, Vanderbilt University School of Medicine*

### **Practice Management/Education**

273 - Postoperative Opioid Use and 2-year Patient-Reported Outcomes in Knee Surgery

*Ali Aneizi, BS, University of Maryland School of Medicine*

276 - Preoperative Opioid Use and 2-year Patient-Reported Outcomes in Knee Surgery

*Ali Aneizi, BS, University of Maryland School of Medicine*

82 - Surgeon Reimbursement Unchanged as Hospital Charges and Reimbursements Increase for Surgical Fixation of Femoral Neck Fractures

*Dennis Chen, MD, University of Virginia*

324 - Legislation has Minimal Impact on Opioid Prescribing in Orthopaedic Trauma

*Daniel J. Cunningham, MD, MHSc, Duke University Medical Center*

80 - Outcomes following Total Hip Arthroplasty for Osteonecrosis in Patients on Hemodialysis

*Timothy M. Hoggard, MD, University of Virginia*

51 - Difficulty in Diagnosing Septic Arthritis in Setting of Crystalline Arthropathy

*T. David Luo, MD, Wake Forest Baptist Medical Center*

269 - ICD-10 in Pediatric Spinal Deformity: Are We Taking Advantage of Increased Coding

*Harold G. Moore, BS, Weill Cornell Medical College*

204 - Survivorship Until First Recall of Orthopedic Devices Undergoing Pre-Market Notification

*Kirsten Norrell, MD, Truman Medical Center*

263 - A Prospective Randomized Blinded Study Evaluating Virtual Reality for Orthopaedic Surgery Training

*Michael E. Seem, MD, Wake Forest Baptist Medical Center*

301 - Electronic Patient Portal Use is Associated with Disparities, Improved Satisfaction, and Lower No-Show Rates in Orthopaedic Surgery

*Nathan H. Varady, BS, Harvard Medical School / Massachusetts General Hospital*

310 - Association Between Surgeon Academic Productivity and Operative Outcomes: An Analysis of 110,671 Total Hip Arthroplasties

*Nathan H. Varady, BS, Harvard Medical School / Massachusetts General Hospital*

143 - Orthopedic Surgeon Time Allocation During the Clinical Encounter

*Andrew D. Wohler, MD, Atrium Health*

### **Shoulder & Elbow**

75 - Corticosteroid Injections in Rotator Cuff Repair: A Systematic Review

*Addison Cimino, BS, University of Alabama at Birmingham*

196 - Single vs. Double Incision Distal Biceps Repair Cost Analysis

*Daniel J. Cognetti, MD, Brooke Army Medical Center*

137 - Post-Operative Glucocorticoid Use in Shoulder Arthroplasty: Early Results of a Randomized-Control Trial

*Alexander M. Dawes, BS, Emory University*

199 - Prevalence of Shoulder Arthroplasty in the United States

*Kevin X. Farley, BS, Emory University School of Medicine*

200 - Hospital Volume Thresholds in Reverse Shoulder Arthroplasty: A Nationwide Analysis

*Kevin X. Farley, BS, Emory University School of Medicine*

188 - Results of Superior Capsular Reconstruction for Irreparable Rotator Cuff Tears

*Cody L. Hightower, MD, University South Carolina Orthopedics at Prisma Health*

98 - The Infection Risk Following Intra-Articular Corticosteroid Injection After Shoulder Arthroplasty

*Michelle E. Kew, MD, University of Virginia*

116 - Surgeon Reimbursements Declining Compared to Hospital Payments for Shoulder Arthroplasty

*Michelle E. Kew, MD, University of Virginia*

117 - Vitamin D Deficiency and Total Shoulder Arthroplasty Outcomes

*Michelle E. Kew, MD, University of Virginia*

119 - Postoperative Opioid Usage Following Hemiarthroplasty for Proximal Humerus Fractures

*Michelle E. Kew, MD, University of Virginia*

331 - Preoperative Depression: Increased Complications and Cost Following Total Shoulder Arthroplasty

*Matthew P. Lunati, MD, Emory University Orthopedic Residency Program*

261 - Modified Anteromedial Portals in Elbow Arthroscopy: Safety Profile in a Cadaveric Model

*Leland C. McCluskey, MD, Tulane University*

92 - Immediate Pain Relief After Injection for Idiopathic Adhesive Capsulitis is Not Predictive of the Need for Surgery

*Thomas E. Moran, MD, University of Virginia*

106 - Social Media Utilization Amongst Shoulder and Elbow Surgeons

*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

140 - Does Resident Involvement Have an Impact on Postoperative Complications after Open Reduction and Internal Fixation of Proximal Humerus Fractures?

*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*



373 - Influence of Thoracic Kyphosis on Reverse Total Shoulder Arthroplasty Outcomes  
*Christian Reintgen, BA, BS, University of Florida*

24 - Intraoperative Navigation and Increased Glenoid Baseplate Screw Length in rTSA  
*Gregory R. Sprowls, MD, Baylor Scott & White Health, Texas A&M Health Science Center*

250 - Comparison Study of Patient Demographics and Risk Factors for Peri-Prosthetic Joint Infections Following Primary Total Elbow Arthroplasty  
*Samuel J. Swiggett, MD, Holy Cross Hospital*

254 - A Nationwide Analysis on the Effects of Iron Deficiency Anemia on Primary Total Shoulder Arthroplasty  
*Samuel J. Swiggett, MD, Holy Cross Hospital*

280 - Biomechanical Strength of Triceps Tendon Repairs  
*Saisanjana Vattigunta, BA, Johns Hopkins University*

283 - Opioid Consumption Following Orthopedic Shoulder Surgery: A Retrospective Analysis  
*Saisanjana Vattigunta, BA, Johns Hopkins University*

287 - Anchored vs. Anchorless Arthroscopic Transosseous Rotator Cuff Repair: Clinical Outcomes and Structural Integrity of a Matched Cohort  
*Saisanjana Vattigunta, BA, Johns Hopkins University*

291 - Optimizing Fixation for Distal Biceps Tendon Repairs: A Systematic Review and Meta-Regression of Cadaveric Biomechanical Testing  
*Saisanjana Vattigunta, BA, Johns Hopkins University*

230 - Preoperative Opioid Use Influences Outcomes Following Primary Total Shoulder Arthroplasty  
*Jacob M. Wilson, MD, Emory University*

206 - Pre-Operative Predictors of Failure in Stemless Total Shoulder Arthroplasty  
*Mark Wu, MD, Duke University Hospital*

48 - Adolescent Osteochondritis Dissecans: Long-Term Outcomes After Non-Reconstructive Elbow Arthroscopy  
*Andrey Zuskov, MD, Wake Forest Baptist Medical Center*

## **Spine**

83 - Hypogonadism: A Predictor of Increased Morbidity and Reoperation Following Posterior Lumbar Fusion  
*Dennis Chen, MD, University of Virginia*

52 - Risk Factors for Blood Transfusion in Anterior Lumbar Interbody Fusion

*Safa C. Fassihi, MD, George Washington University*

141 - Lumbopelvic Postural Differences in Adolescent Idiopathic Scoliosis

*Matthew P. Jamison, BS, Wake Forest Baptist Health*

43 - Short-Term Outcomes Following Occipitocervical Fusion for Complex Suboccipital Spine Trauma

*Daniel C. Kim, MD, MS, University of South Alabama*

135 - Lowest Instrumented Vertebra in Posterior Cervicothoracic Fusion: Does LIV Predict Mechanical Failure?

*Joseph T. Labrum, MD, Vanderbilt Medical Center*

68 - Cortical Bone Trajectory Instrumentation Provides Favorable Outcomes in Comparison to Pedicle-Screws in Laminectomy and Posterolateral Fusion

*Nandakumar Menon, MD, Anne Arundel Medical Center*

271 - Risk Stratification Model of Early Complications After Posterior Lumbar Fusion

*Harold G. Moore, BS, Weill Cornell Medical College*

258 - Clinical and Radiographic Outcomes of Surgical Management for Lumbar Degenerative Spondylolisthesis

*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

270 - Prospective Evaluation of Degenerative Cervical Myelopathy In Asymptomatic Patients Over 60

Years

*Ryan M. Schiedo, MD, University of Massachusetts Memorial Medical Center*

178 - A Novel Pain Control Protocol for Elective Cervical Spine Surgery

*Michael Spitnale, MD, University of South Carolina - Prisma Health Midlands Orthopedics*

375 - Higher Rates of Medical Complications and Costs of Care Following Delayed Surgical Intervention for Cauda Equina Syndrome: A Matched-Control Analysis

*Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University*

383 - Rating Spine Surgeons: Patient Reported Outcomes vs. Physician Review Websites

*John P. Wanner, MD, Vanderbilt University Medical Center Department of Orthopaedics*

### **Sports Medicine**

265 - Borderline Hip Dysplasia Patients Achieve Meaningful Outcomes 5-years after Arthroscopic Surgery for FAIS

*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

267 - Effect of Prolonged Postoperative Opioid Use and 2-year Outcomes After FAIS Surgery  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

298 - Prevalence and Effect of Postoperative Opioid Prescription Refills after Arthroscopy for FAIS  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

300 - Effect of Complete vs. Partial Capsule Closure On Outcomes 5-years After FAIS Surgery  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

23 - Performance and Return to Play Following ACL Reconstruction in NFL Wide Receivers  
*Colin Burgess, DO, Hofstra at Northwell Health*

295 - Utilization of Physical Therapy Following Anterior Cruciate Ligament Reconstruction  
*LCDR Patrick J. Burroughs, BS, Yale School of Medicine*

180 - Hip Arthroscopy in Obese Patients: Is there a Functional Difference in Outcomes?  
*David Buzas, MD, Ochsner Health Sports Medicine*

182 - Hip Arthroscopy in Patient's with Childhood Hip Conditions: Is There a Functional Difference in Outcomes?  
*David Buzas, MD, Ochsner Health Sports Medicine*

197 - Changes in Isometric Shoulder Strength in Collegiate Baseball Players  
*David Buzas, MD, Ochsner Health Sports Medicine*

358 - UCL Repair and Reconstruction: Factors Associated with Postoperative Neuropathy  
*Alexander M. Dawes, BS, Emory University*

235 - Pain Catastrophizing, Postoperative Pain, and Opioid Utilization Following ACL Reconstruction  
*Emily L. DeMaio, BSN, Emory University School of Medicine*

44 - Relationship Between Lower Extremity Biomechanics, Ground Forces, and Pitching Velocity  
*Carl Edge, BS, Wake Forest University School of Medicine*

226 - High Variability in Acetabular Coverage and Femoral Deformity in Borderline Dysplasia  
*Graesser J. Elizabeth, MD, Washington University School of Medicine*

131 - Effect Of Insurance Status On Pediatric Access To Sports Medicine  
*Michael L. Golden, BA, MD, University of North Carolina Orthopedic Surgery*

181 - Cadaveric Validation of MRI and CT-based Formulas for Estimating Glenoid Width  
*Jonathan B. Goodloe, MD, Medical University of South Carolina*

302 - Defining Maximum Outcome Improvement 1-year After Arthroscopic Rotator Cuff Repair

*Anirudh K. Gowd, MD, Wake Forest Baptist Health*

184 - Smartphone Cognitive-Motor Test Performance and Survey Identify Persistent Concussion Effect

*Neal Huang, MD, University of Tennessee College of Medicine Chattanooga*

174 - Increased Surgical Site Infections, Hardware Complications, and VTE following the Latarjet Procedure

*Charles A. Johnson, MD, Medical University of South Carolina*

167 - Novel Technique to Assess Glenoid Bone Loss Using Anterior CoracoGlenoid Line

*Patrick W. Joyner, MD, OrthoCollier*

115 - Treatment Trends in Platelet-Rich Plasma Therapy in Medicare Beneficiaries

*Michelle E. Kew, MD, University of Virginia*

93 - Small (3.2 mm), Short, Oblique Patellar Tunnels for Patellar Fixation Do Not Increase Fracture Risk in MPFL Reconstruction

*Thomas E. Moran, MD, University of Virginia*

330 - Percutaneous MCL Release for Improved Medial Compartment Access During Knee Arthroscopy

*Thomas E. Moran, MD, University of Virginia*

202 - Characterizing the Effect of Opioid Tablet Strength on Post-Operative Opioid Consumption Following ACL Reconstruction

*Ehab Nazzal, BS, Emory University School of Medicine*

224 - Development and External Validation of the Borderline Hip Instability Score

*Maria Schwabe, BS, Washington University School of Medicine*

277 - Outcomes and Return to Play following Unique Mini-Open Achilles Repair

*Akhil Sharma, BS, Duke University Medical Center, Department of Orthopaedic Surgery*

34 - Impact of the Helmet-Lowering Rule on Regular Season NFL Injuries

*Erik J. Stapleton, DO, MS, Northwell Health*

306 - Patient Specific Variables and Pain Catastrophizing on IHOT-33

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

311 - Pain Catastrophizing Influence on Patient Reported Outcomes after Hip Arthroscopy

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

314 - Simple Hip Score Correlation with Hip Specific Patient Reported Outcomes

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

316 - Mental Health Disorders in Hip Arthroscopy

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

318 - Factors Associated with Pain Catastrophizing in Patients Undergoing Hip Arthroscopy

*Zachary Thier, BS, Prisma Health - USC Orthopedics*

101 - Oral Contraceptive Pills Double the Risk for VTE after Knee Arthroscopy and ACL Reconstruction

*Sophia A. Traven, MD, Medical University of South Carolina*

65 - Postoperative Outcomes of Patients Undergoing Fasciotomy for Exercise Induced Compartment Syndrome: A Case Series

*Justin Turcotte, MBA, Anne Arundel Medical Center*

70 - Opioid Prescribing Guidelines for Arthroscopic Partial Meniscectomy Based on Patient-Reported Opioid Consumption

*Justin Turcotte, MBA, Anne Arundel Medical Center*

347 - Comparison Study of Patient Demographics, Causes, and Risk-Factors Following Primary Reverse Shoulder Arthroplasty

*Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University*

357 - Comparative Study on Patient Demographics, Trends of Service Location, and Ninety-Day Costs for Anterior Cruciate Ligament Reconstruction

*Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University*

370 - Quadratus Lumborum Block Reduces Opioid Consumption After Hip Arthroscopy

*Shane K. Woolf, MD, Medical University of South Carolina*

183 - Effect of Graft Choice on 6-Year Outcomes of Revision ACL Reconstruction in the MARS Cohort

*Rick W. Wright, MD, Vanderbilt University Medical Center*

242 - Factors Associated with Two-Year Survey Completion after Orthopaedic Knee Surgery

*Tina Zhang, BS, MS, University of Maryland School of Medicine*

245 - Predictors of Two-Year Patient Satisfaction Following Orthopaedic Knee Surgery

*Tina Zhang, BS, MS, University of Maryland School of Medicine*

148 - Two-Year Outcomes for Knee Osteochondral Allograft Transplantation with Osteotomy

*Bradford Zitsch, BS, University of Missouri*

## **Total Hip**

213 - Comparison of Femoral Component Subsidence in Smokers Undergoing Primary THA  
*Kyle Boden, MD, University of Kentucky*

79 - Hypogonadism is Associated with Increased Risks of Postoperative Complications Following Total Hip Arthroplasty  
*Dennis Chen, MD, University of Virginia*

81 - Is Tramadol a Safe Alternative to Opioids Prior to Total Hip Arthroplasty?  
*Dennis Chen, MD, University of Virginia*

214 - Rate of Hip Osteoarthritis in Spine Patients  
*Brian M. Curtin, MD, Ortho Carolina*

54 - Risk Factors for Transfusion in Aseptic Revision Total Hip Arthroplasty  
*Safa C. Fassihi, MD, George Washington University*

87 - Insulin-Dependence Independently Increases Postoperative Complications in Aseptic Revision Hip Arthroplasty  
*Safa C. Fassihi, MD, George Washington University*

103 - Neural Network Prediction of Mortality Following Primary Total Hip Arthroplasty  
*Safa C. Fassihi, MD, George Washington University*

343 - Demographic and Socioeconomic Determinants in the Utilization of Hip Arthroplasty  
*Chukwuweike U. Gwam, MD, Wake Forest School of Medicine*

211 - The Missing Link: Defining the Normal Three-Dimensional Parameters of Pelvic Orientation  
*Mohamad Halawi, MD, Baylor College of Medicine*

89 - BMI and ASA Score Predict Delays in Total Hip Arthroplasty  
*Zoe Hinton, BS, Duke University School of Medicine*

109 - MDM Acetabular Components in Revision Total Hip Arthroplasty: An Update  
*Zoe Hinton, BS, Duke University School of Medicine*

169 - Outcomes of Total Hip Arthroplasty for Osteonecrosis in Solid Organ Transplant Patients  
*Nicole D. Quinlan, MD, MS, University of Virginia Health System*

292 - Effects of Schizophrenia Following Primary Total Hip Arthroplasty  
*Karim Sabeh, MD, Holy Cross Hospital*

189 - Time to Conversion Total Hip Arthroplasty Following Acetabular Fracture Operative Fixation and Associated Cost and Complications

*Karim Sabeh, MD, Holy Cross Hospital*

201 - Evidence-Based Hospital Procedural Volumes as Predictors of Outcomes after Revision Total Hip Arthroplasty

*Andrew M. Schwartz, MD, Emory University Orthopaedics and Spine Hospital*

15 - Direct Anterior Total Hip, Significantly Lower Rates of Deep Venous Thrombosis and Pulmonary Embolism

*Alisina Shahi, MD, PhD, Marshall Orthopaedics*

61 - A Specific Capsular Repair Technique Lowered Dislocations in Primary Total Hip Arthroplasty through a Posterior Approach

*John Steele, MD, Duke University Medical Center*

69 - Preoperative Predictors of Patients Requiring Inpatient Admission for Total Hip Arthroplasty Following Removal from the Medicare Inpatient Only List

*Justin Turcotte, MBA, Anne Arundel Medical Center*

346 - Comparing Acute Phase Responses: Primary and Revision Total Hip Arthroplasties

*Bronson C. Wessinger, BS, Vanderbilt University School of Medicine*

282 - Preoperative Opioid Use Negatively Impacts Outcomes Following Revision Total Hip Arthroplasty

*Jacob M. Wilson, MD, Emory University*

### **Total Joint**

49 - Spinal Anesthesia and Post-Operative Urinary Retention Following Total Joint Arthroplasty

*Carolyn G. Ahlers, BS, Vanderbilt University School of Medicine*

50 - Effect of BMI on Revision Rate of Unicompartmental Knee Arthroplasty

*Jeffrey D. Almand, PhD, Mississippi Sports Medicine and Orthopaedic Center*

128 - Urinary Self-Catheterization is Not Associated with Increased Risk of Major Complications Following Total Hip and Knee Arthroplasty

*Alyssa D. Althoff, MD, University of Virginia*

379 - Persistent Racial and Ethnic Disparities in Utilization Rates and Perioperative Metrics in Total Joint Arthroplasty in the United States: A Comprehensive Trends Analysis from 2006-2015

*Bishoy Ameen, BA, Harvard Medical School*

32 - Reducing Opioid Prescribing Lowers Consumption, Pain Scores Following Joint Arthroplasty

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