

## SOA E-Poster Presentations

### **Basic Science**

130 - Platelet Dysfunction in Major Pediatric Scoliosis Surgery

*Lydia McKeithan, BE, Vanderbilt University*

### **Foot & Ankle**

329 - Total Ankle Arthroplasty Adverse Events Reported to the US FDA

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

340 - Total Ankle Arthroplasty Patient-Reported Outcomes Significantly Impacted by Mental Health

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

150 - Macroscopic Changes in Sural Nerve after Gastrocnemius Recession: Anatomic Study

*Jared R. Halstrom, BS, University of Alabama at Birmingham School of Medicine*

161 - Factors Affecting Unplanned Events Within 30 Days of Ankle Surgery

*Jared R. Halstrom, BS, University of Alabama at Birmingham School of Medicine*

328 - The Association Between Core Strength Deficit and Plantar Fasciitis

*Leah Herzog, MD, Medical University of South Carolina*

227- Patient Guided Pain Protocol to Reduce Opioid Use in Outpatient Surgery

*Kenrick Lam, MD, University of Texas Medical Branch*

257- Total Ankle Arthroplasty vs. Ankle Arthrodesis: A National Database Study

*Bailey J. Ross, BA, Tulane University School of Medicine*

274 - 3D Printed Total Talus Replacement – Novel Treatment for Talar AVN

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

320 - Outcomes following Subchondroplasty in the First Metatarsal Head

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

97 - Trends in Foot and Ankle Publications

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

159 - Structures at Risk in Anteroposterior Fixation of Posterior Malleolar Fractures

*Charles Sutherland, BS, University of Alabama at Birmingham*

160 - Anatomical Structures at Risk in Proximal Fifth Metatarsal Fracture Fixation

*Charles Sutherland, BS, University of Alabama at Birmingham*

176 - Patellar Component Positioning in Total Knee Arthroplasty

*Charles Sutherland, BS, University of Alabama at Birmingham*

177 - Mini-Open vs. Lateral Approach for Ankle Arthrodesis: An Anatomic Study

*Charles Sutherland, BS, University of Alabama at Birmingham*

### **Hand & Wrist**

365 - Medial Epicondylitis: Patient Demographics, Comorbidities, Diagnosis Trends, and Surgical Trends

*Andrew D. Ardeljan, BS, Holy Cross Orthopedic Research Institute*

225 - Comparing the Efficacy of Two Suture Anchors for SL Instability

*Alireza Bahadorkhan, Hand and Microsurgery Center of El Paso*

91 - Effect of Thumb Metacarpophalangeal Joint Hyperextension on Thumb Ligament Reconstruction Tendon Interposition Results

*Jonathan D. Bryant, DO, East Tennessee State University*

327 - CMC Arthroplasty: No Standardized Nonoperative treatment protocol

*Alexander M. Dawes, BS, Emory University*

293 - Trends and Utilization of Prescription Opioid Use Following CMC Arthroplasty: How Much is Too Much?

*Corey C. Spencer, BS, Emory University*

255 - Risk Factors for Revisions and Infections Following Primary Proximal Interphalangeal Arthroplasty

*Samuel J. Swiggett, MD, Holy Cross Hospital*

### **Pediatrics**

78 - Mechanical Failure of Two Cannulated Screw Fixation for Unstable SCFE

*Jonathan B. Goodloe, MD, Medical University of South Carolina*

218 - Continuity of Diagnoses: Agreement in Anatomical Description of Elbow Fractures

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

### **Shoulder & Elbow**

275 - Medicaid Payer Status is Associated with Increased 90-Day Morbidity and Resource Utilization Following Primary Shoulder Arthroplasty

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

94 - Clinical Outcomes of Glenoid Migration after Reverse Shoulder Arthroplasty using a Through-Growth Cage: A Matched Cohort Study.

*Robert P. Frantz, BS, University of Florida*

73 - Risk Factors for Blood Transfusion after Proximal Humerus ORIF  
*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

76 - Risk Factors for Blood Transfusion after Total Shoulder Arthroplasty  
*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

95 - Publication Rates of Shoulder and Elbow Abstracts Accepted to the 2010-2015 Annual Meetings of the American Academy of Orthopedic Surgeons  
*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

356 - A Comparison of 90-Day Outcomes between Total Shoulder and Elbow Arthroplasty  
*Eliana Saltzman, MD, Duke University Medical Center*

64 - Authorship Trends in Shoulder and Elbow Surgery  
*Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center*

355 - Intramedullary Humeral Nail Placement through the Rotator Interval: An Anatomic and Radiographic Analysis  
*Eliana Saltzman, MD, Duke University Medical Center*

315 - Preoperative Cubital Tunnel Management Resource Utilization and Cost Analysis  
*Corey C. Spencer, BS, Emory University*

### **Sports Medicine**

13 - Prophylactic Intramedullary Tibial Nail in a High Level Athlete  
*Devin Collins, DO, Jack Hughston Memorial Hospital*

344 - Achilles Tendon Rupture in High Level Collegiate Athletes  
*Richard Danilkowicz, Duke University Medical Center*

376 - Achieving Meaningful Outcomes 1-Year After Microfracture Augmented with Allograft Cartilage and Autologous PRP  
*Amy P. Trammell, MD, Wake Forest Baptist*

304 - Positive Early Clinical Outcomes of Bone Marrow Aspirate Concentrate for Osteoarthritis Using a Fenestrated Trocar that Does Not Require Centrifugation  
*Nathan H. Varady, BS, Harvard Medical School / Massachusetts General Hospital*

### **Total Hip**

207 - The State of Racial and Ethnic Disparities in Primary Total Hip Arthroplasty: Analysis of a National Database from 2011 – 2017  
*Mohamad Halawi, MD, Baylor College of Medicine*

129 - Urinary Retention Infrequent After Anterior THA in the Surgery Center\  
*Matt Mathew, MD, University of Tennessee Health Science Center - Campbell Clinic*

260 - Valuing the Discrepancy in Medicare Operative Time Estimates for Total Hip Arthroplasty  
*Harold G. Moore, BS, Weill Cornell Medical College*

155 - Comparison between General and Spinal Anesthesia in Total Hip Arthroplasty  
*Akshar Patel, BS, University of Alabama at Birmingham School of Medicine*

348 - Acute Phase Response by Components Revised: Revision Total Hip Arthroplasty  
*Vaibhav R. Tadepalli, BS, Vanderbilt University School of Medicine*

354 - Handheld Navigation Improves Accuracy in Direct Anterior Total Hip Replacement  
*Bradford S. Waddell, MD, OrthoAtlanta*

### **Total Knee**

215 - Multidirectional of Titanium Total Knees with Nickel Allergy  
*Gerhard E. Maale, MD, Dallas Ft. Worth Sarcoma Group/Medical City Plano*

190 - Nationwide Analysis on the Impact of Peripheral Vascular Disease Following Primary Total Knee Arthroplasty: A Matched-Control Analysis  
*Rushabh M. Vakharia, MD, Holy Cross Hospital*

### **Trauma**

337 - Are Racial Disparities Present in Pain Management of Hip Fractures?  
*Iman Ali, BS, Johns Hopkins University*

147 - Cannabinoids in the Orthopedic Setting: A Literature Review  
*Dominic S. Carreira, MD, Peachtree Orthopedics*

345 - Mental Health Associated with Opioid Demand after Lower-extremity Fracture Surgery  
*Daniel J. Cunningham, MD, MHSc, Duke University Medical Center*

349 - National Trends in Opioid Use after Hip Fracture Surgery  
*Daniel J. Cunningham, MD, MHSc, Duke University Medical Center*

229 - Opioid Consumption Following After Ankle Fracture Surgery  
*Kenrick Lam, MD, University of Texas Medical Branch*

17 - Hardware Removal Due to Infection after Open Reduction and Internal Fixation: Trends and Predictors.  
*Alisina Shahi, MD, PhD, Marshall Orthopaedics*

285 - Risk Factors Associated With Prolonged Opioid Use Following Surgical Fixation of Acetabular Fracture

*Corey C. Spencer, BS, Emory University*

**Upper Extremity**

323 - The Cost and Resource Utilization for Patients with Carpal Tunnel Syndrome (CTS)

*Alexander M. Dawes, BS, Emory University*

359 - Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release

*Corey C. Spencer, BS, Emory University*