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, MHS, 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

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