

SOA 2026 E-Poster Presentations

Basic Science

8 - Biomechanical Performance of Locally Manufactured Orthopaedic Plate Constructs in Iraq: A Cadaveric FEM and In Vitro Comparison Study
Hashim Manea, MD, Oregon Health and Science University

Foot & Ankle

278 - Do Interval PROMIS Scores Correlate with Recovery Expectations Following Achilles Tendon Debridement with Flexor Hallucis Longus Tendon Transfer?
Simon Lalehzarian, MD, MHA, MS, University of Alabama at Birmingham

77 - Complications and Patient Reported Outcome Measures after Minimally Invasive vs. Open Calcaneal Osteotomy: A Retrospective Study
Sarah Hall Kiriluk, MD, Walter Reed National Military Medical Center

222 - Multiplanar External Fixation as Definitive Management in Neuropathic Ankle Fractures
Jasmine N. Tran, BS, University of Texas Medical Branch

225 - Clinical Outcomes of Citrefix Suture Anchors in Haglund Correction
Jasmine N. Tran, BS, University of Texas Medical Branch

78 - Evaluation of Minimally Invasive Hindfoot Nails for the Treatment of Complex and Fragility Acute Ankle Fractures
Sarah Hall Kiriluk, MD, Walter Reed National Military Medical Center

Pediatrics

231 - CPT Code Prediction Using Large Language Models in Pediatric Orthopedics
Krishi S Manem, BS, McGovern Medical School (UTHealth Houston)

Practice Management/Education

319 - Insurance Type as Predictor of Tibial Plateau Fracture Recovery Outcomes
Grace Chong, BS, Albert Einstein College of Medicine

Shoulder Elbow

381 - Are the Most Cited Shoulder Arthroplasty Studies Transparent? A Review of Implant Reporting and Industry Disclosures
Aghdas Movassaghi, BS, Orthopaedic Center of Palm Beach County

371 - A Cost-Effectiveness Analysis of Surgical Treatment Options for Irreparable Rotator Cuff Tears
Aghdas Movassaghi, BS, Orthopaedic Center of Palm Beach County

276 - Coronal Plane Alignment Variation Using the Advita Equinoxe Short Stem
Dan McMahon, PA-C, MBA, Mayo Clinic Florida

374 - Neuromuscular Compensation Strategies in Patients with Supraspinatus Pathology: Systematic Review

Michael P. Ternoway, BS, Sidney Kimmel Medical College

29 - What Threshold in Preoperative Range of Motion is Associated with Achievement of Maximal Range of Motion after Total Shoulder Arthroplasty?

Bradley S Schoch, MD, Mayo Clinic Florida

386 - Readmission, Mortality, and Complications Following Primary vs. Revision Total Shoulder Arthroplasty: A National Cohort Analysis

Connor J. Donley, MD, HCA JFK Florida Hospital

109 - Risk Factors Predicting Conversion to Arthroplasty after Proximal Humerus Fixation

Theodore Dowd, BS, UAB

388 - Resilience as a Psychiatric Factor Affecting Outcomes after Shoulder Surgery: A Systematic Review and Meta-Analysis

Roya Osswald, University of Tampa

Spine

409 - A Propensity-Matched Comparison of Cervical Disc Arthroplasty and Cervical Fusion

Aidan Gillespie, BS, Medical University of South Carolina

252 - Postoperative Outcomes following Lumbar Fusion in Postmenopausal Women Receiving Estrogen

Farhad A. Marzook, MS, University of Texas Medical Branch

Sports Medicine

320 - Pain Flares After Hip Arthroscopy Do Not Impair One-Year Functional Outcomes

Rachel Poutre, BS, Massachusetts General Hospital

311 - Comparing the Efficacy of Minimal Clinically Important Difference Thresholds using Distribution-Based or Anchor-Based Estimations: A Systematic Review and Meta-Analysis

Brandon J. Allen, BA, Mass General Brigham

114 - Effects of a Bioactive Knee Sleeve on Knee Osteoarthritis

Caleb Berta, BS, University of Alabama at Birmingham

290 - Built Environment Impacts Hip Arthroscopy Patients at Two-Year Follow-Up

Rishi Earla, BA, Mass General Brigham

90 - Clicks and Cartilage: Tracking Patient Interest in Cartilage Repair Procedures

Irfan A. Khan, MD, ATC, Louisiana State University Health Sciences Center

194 - Lower Extremity Injuries in Youth and Adults: 10-Year NEISS Analysis

Kiera Lunn, BS, UPMC

295 - Retear Rates after Augmented ACL Repair vs. Autograft Reconstruction: A Meta-Analysis
Charles T Martin, MD, University of Tennessee College of Medicine Chattanooga

157 - Obesity and Two-Year Patient-Reported Outcomes after Anterior Cruciate Ligament Reconstruction
Michael McCurdy, BS, University of Maryland School of Medicine

132 - Risk Factors for Infection following Arthroscopy: Systematic Review and Meta-Analysis
Anouska Saraf, BS, Vanderbilt University School of Medicine

34 - The Effectiveness of Allograft for Bone Tunnel Grafting in Two-Stage Revision Anterior Cruciate Ligament Reconstruction: A Single-Center Experience
Alexander B. White, MD, Atrium Health Carolinas Medical Center

104 - Medicare Insurance Associated with Reduced Hip Arthroscopy Patient-Reported Outcome Measures
Mason Haller, BS, University of Alabama at Birmingham

88 - Knee-Deep in Search: Increasing Virtual Patient Interest in Meniscus Surgery
Irfan A. Khan, MD, ATC, Louisiana State University Health Sciences Center

74 - Disparities in Time to Surgery for ACL and Meniscus Injuries
Gatkek Kueth, BS, Quillen College of Medicine, East Tennessee State University

161 - Impact of Obesity on Two-Year PROs after Arthroscopic Partial Meniscectomy
Aneesh Patankar, MD, University of Maryland School of Medicine - Department of Orthopaedics

169 - Return to Play following Capsular Management in Hip Arthroscopy
Aziz T. Shittu, MD, University of Miami

367 - Postconcussion Syndrome in Adults with Concussion With and Without Depression: A TriNetX Cohort Study
Abdul Muhaymin Zia, MBBS, Hamilton Medical Center

175 - Accuracy of Ultrasound and MRI for Hip Abductor Tendon Tears
Kiera Lunn, BS, UPMC

Total Hip

220 - Long-Term Revision Rates Following Total Hip Arthroplasty in Celiac Disease
Campbell Dopke, George Washington University

Total Joint

17 - Is Total Joint Arthroplasty Really an Outpatient Procedure? Outcomes Analysis of the First 1278

Daniel E Matthews, MD, FAAOS, Alabama Orthopedic Sports Medicine / University of South Alabama College of Medicine

Total Knee

15 - BMI, Age, and Radiographic Outcomes in Cementless Total Knee Arthroplasty
Blake C. Martin, BS, University of Texas Rio Grande Valley School of Medicine

32 - Semaglutide May Reduce Knee Arthroplasty Risk After Meniscectomy in Type-2 Diabetic Patients
Roha Phadke, BS, Baylor College of Medicine

Trauma

150 - Comparative Effectiveness of Antibiotic Delivery Devices in Tibial Fractures: Stimulan, Antibiotic-Coated Intramedullary Nails, and Antibiotic Bone Cement Spacers
Hudson D. Tate, BS, UAB Heersink School of Medicine

92 - Cost-Saving Innovation: Talon Distal Locking Speeds Humeral Procedures
Romney Andersen, MD, Riverside Health System

16 - Predicting Bipolar Head Dissociation: The Role of the O-Sign Elliot Forst UTMB
Elliot Forst, School of Medicine

111 - Does Immobilization Method Affect Alignment in Pilon Fractures?
Katherine Snipes, MD, OrthoCarolina

Upper Extremity

289 - Evaluation of Inter and Intra-Observer Reliability of Modified Walch Classification
Russell Edafetanure-Ibeh, MLS, MPH, MS, Johns Hopkins University

328 - Reliability of Published Severe Glenoid Bone Loss Classification Systems
Russell Edafetanure-Ibeh, MLS, MPH, MS, Johns Hopkins University

298 - Return to Golf After Arthroplasty
Dan McMahon, PA-C, MBA, Mayo Clinic Florida