

2023 SOA E-Posters

FOOT & ANKLE

124 - A Review of Placental Tissues in Foot and Ankle Surgery Kian Bagheri
Albert Anastasio, MD, Duke University School of Medicine

127 - Charcot Neuroarthropathy: Collaboration between Emergency Medicine and Orthopaedic Practitioners Kian Bagheri
Albert Anastasio, MD, Duke University School of Medicine

20 - MIS Utilizing a Shannon Burr for Hallux Valgus Deformity Rodrigo Encinas
Rodrigo Encinas, University of South Carolina School of Medicine

86 - Association of Psychiatric Diagnosis and Insurance in Chronic Ankle Instability Joshua Morningstar
Christopher E. Gross, MD, Medical University of South Carolina

99 - Preoperative Dehydration Associated with Increased Complications Following Ankle Fracture Surgery Joshua Morningstar
Daniel J. Scott, MBA, MD, Medical University of South Carolina

PEDIATRICS

206 - Risk Factors for Early Post-Operative Complications in Supracondylar Humerus Fractures
Lauren Luther, MD, Vanderbilt University Medical Center

160 - Range of Motion and Functional Outcomes After Pediatric Forearm Fractures: A Prospective Cohort Study
Micah L. MacAskill, MD, MA, Marshall University

15 - Pediatric Fractures following Implant Removal: A Systematic Review
Anthony M. Padgett, BS, University of Alabama at Birmingham

141 - Time and Travel Burden Associated with Hexapod-assisted correction of Lower Extremity Deformity
Jonathan Pire, BS, Medical University of South Carolina

113 - Nationwide Impact of COVID-19 on Cases Performed During Pediatric Orthopedic Surgery Fellowship Training
Jason Silvestre, MD, Howard University Hospital

344 - A Multi-Center Evaluation of Fellow's Spinal Fusion Case Volumes During the Pandemic
Shane F. Strom, MD, Texas Scottish Rite Hospital For Children

SHOULDER & ELBOW

268 - Elbow Arthroplasty Trends in Patients with Rheumatoid Arthritis with DMARDS
Uzoma Ahiarakwe, MS, Johns Hopkins University School of Medicine

137 - Impact of BMI Cutoffs on Complication Rates Following Primary TSA
Marissa Boettcher, Medical University of South Carolina

338 - Shoulder Arthroplasty Infection Presents Substantial Economic Burden in the US
Karen J. Carter, BS, University of Alabama at Birmingham

38 - Factors that Influence Blood Loss Requiring Transfusion Following Elbow Arthroplasty
Parker K. Chenault, BA, Carilion Clinic Institute for Orthopaedics and Neurosciences

278 - Scapulohumeral Rhythm Changes in Serratus Palsy and Scapular Dyskinesia
Zaamin Hussain, MD, EdM, Emory University

220 - Predictors of PROMIS Physical Function 2 Years After Latarjet Surgery
Antoan Koshar, BS, University of Maryland

296 - Use of Custom Glenoid Components for Reverse Total Shoulder Arthroplasty
Piotr Lukaszewicz, MD, PhD, Johns Hopkins University

349 - Anterior Shoulder Instability: Angled Suspensory Fixation Biomechanically Superior to Screws
John N. Manfredi, BS, University of Alabama at Birmingham

352 - Subjective and Objective Function Before and After Total Shoulder Arthroplasty
Christopher D. Morgan, University of Alabama at Birmingham

373 - Utilizing Three-Dimensional Reconstructive Software for Pre-Operative Planning: a Systematic Review
Christopher D. Morgan, University of Alabama at Birmingham

334 - Impact of Sling Use on Functional Mobility in Geriatric Population
Akash Pandey, University of Alabama at Birmingham

273 - Mortality and Predictor Rates of Inpatient ATSA or RTSA
Sribava Sharma, MD, Johns Hopkins School of Medicine

276 - Trends and Predictors in Costs for Anatomic and Reverse TSA
Sribava Sharma, MD, Johns Hopkins School of Medicine

389 - Biomechanical Stability of Hand vs. Instrument Tensioning of Glenoid Grafts
David M. Sylvester, BS, University of Alabama at Birmingham Heersink School of Medicine

172 - Shoulder Arthroplasty in Patients with Multiple Sclerosis: Complications by Arthroplasty Type
Brian C. Werner, MD, University of Virginia

119 - The Effects of Obstructive Sleep Apnea Risk on Post-Operative Recovery following Rotator Cuff Repair
Benjamin Wharton, BA, University of Colorado School of Medicine

SPINE

205 - Non-Operative Management of Chance Fractures: A Single-Center Retrospective Cohort Study

Connor J. Donley, MD, University of Alabama at Birmingham

48 - Safety, Pharmacokinetics, and Analgesic Activity of HTX-011 in Spinal Surgery
Paul Geibel, MD, Heron Therapeutics, Inc

207 - Post-operative Decadron Increases Complications in Diabetic Patients Undergoing Lumbar Fusion
Douglass C. Johnson, MS, MD, Medstar Georgetown University Hospital

110 - Comparing Case Volume Between Neurological and Orthopaedic Spine Surgery Training in the United States
Jason Silvestre, MD, Howard University Hospital

55 - Efficient Utilization of Resources and Safe Overlapping Surgery in a Spinal Deformity Practice
Patrick G. Young, MD, USA Health, University of South Alabama College of Medicine

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Jeannie Buckner, MD, UF Jacksonville COM

123 - Publicly-Obtained Data in Sports Medicine Research
Andrew W. Kuhn, MD, Washington University in St. Louis

225 - Factors Associated with Satisfaction and Met Expectations After Hip Arthroscopy
Seyedeh Zahra Mousavi, BS, University of Maryland

TOTAL HIP

324 - Technology versus Conventional Instrumentation in 1,372,300 Primary Total Hip Arthroplasties
David S. Constantinescu, MD, University of Miami Miller School of Medicine

213 - Hip Resurfacing Indicates More Favorable Gait Parameters Post-Operatively as Compared to Total Hip Arthroplasty: A Systematic Review
Benjamin G. Domb, MD, American Hip Institute

59 - Free Hip Arthroplasty Templating Software - Does it Work?
Alex Jouffas, MD, University of Louisville

67 - Defining the Patient Acceptable Symptomatic State for the Modified Harris Hip Score, the Nonarthritic Hip Score, the Hip Outcome Score, the Visual Analog Scale for Pain, and the International Hip Outcome Tool-12 in Revision Hip Arthroscopy
David R. Maldonado, MD, American Hip Institute

70 - Defining the Substantial Clinical Benefit Following Revision Hip Arthroscopy
David R. Maldonado, MD, American Hip Institute

252 - Decreasing Insurance Disparity in Arthroplasty Type for Femoral Neck Fractures
Alex Gu, MD

Philip M. Parel, BS, The George Washington University School of Medicine and Health Sciences

105 - Cost Analysis of Surgical Approach in Total Hip Arthroplasty

Taylor P. Stauffer, BS, Duke University

TOTAL JOINT

323 - Adverse events in robotic assisted arthroplasty reported to the FDA

Joseph P. Costello, BS, University of Miami Miller School of Medicine

341 - Variability in Physical Therapy Protocols Following Total Shoulder Arthroplasty

Abdias Girardi, BS, University of Alabama at Birmingham

182 - Implant Survivorship Among Sickle Cell Patients Following Total Hip Arthroplasty

Alex Gu, MD, The George Washington University School of Medicine and Health Sciences

358 - Cement Type Comparisons in Total Knee Arthroplasty

Cole M. Howie, BS, University of Alabama at Birmingham

208 - Prednisone is Associated with Early Complications Following Total Joint Arthroplasty

Brian P. McCormick, MD, MedStar Union Memorial Hospital

209 - Cushing's Syndrome is Associated with Increased Complications following Total Joint Arthroplasty

Brian P. McCormick, MD, MedStar Union Memorial Hospital

361 - Feasibility Study to Assess An Interactive Voice Response Intervention in the Follow-up of Primary Total Joint Arthroplasty

Sameer Naranje, MD, MS, MBBS, University of Alabama at Birmingham

348 - Review of NIS Data Study Quality for Total Joint Arthroplasty

Kevin Orton, BS, University of Miami Department of Orthopaedic Surgery

46 - Total Knee and Hip Arthroplasty Outcome Disparities in Native Americans

Albert J. Rechenmacher, BS, Duke University School of Medicine

TOTAL KNEE

327 - Is Robotic Total Knee Arthroplasty Here to Stay?

David S. Constantinescu, MD, University of Miami Miller School of Medicine

45 - Lateral Subvastus Total Knee Arthroplasty: Two-Year Follow-Up

Eden Crowsey, MS, Optimotion Orthopaedics

204 - Comparison of Patient Outcomes in Image-Free Robotic UKA vs. TKA

Caitlin Grant, BS, Duke University Medical Center

156 - Cementless Metal-Backed Patella in TKA - Average 7-Year Follow-Up

Alex Joufflas, MD, University of Louisville

328 - Femoral Pin Placement Safe Zones in Robotic Total Knee Arthroplasty

Juan D. Lopez, MD, University of Miami Hospital

96 - Multi-Directional Instability Associated with Metal-Ion Allergies Mimicking Periprosthetic Joint Infections

Gerhard E. Maale, MD, Dallas Ft. Worth Sarcoma Group/Medical City Plano

97 - Should LTT Testing be Done in Patients with Multiple Allergies?

Gerhard E. Maale, MD, Dallas Ft. Worth Sarcoma Group/Medical City Plano

7 - Sex Differences in the Relationship Between Hand and Leg Dominance and Knee Osteoarthritis Laterality

Bryce W. Polascik, BS, Wake Forest University School of Medicine

53 - Risk Factors for Readmission following Uncemented Total Knee Arthroplasty

Eric Roth, MD, SUNY Downstate Health Science University

261 - Novel Polymer Femoral Component as a Metal-Free Alternative for TKA

Asit Shah, MD, PhD, Maxx Orthopaedics

TRAUMA

228 - Risk Factors for Avascular Necrosis following Proximal Humerus Fracture Dislocations

Nicholas A. Andring, MD, Wake Forest Baptist Medical Center

318 - Using the Contralateral Ankle to Determine Need for Syndesmotic Fixation

Joseph Geller, MD, University of Miami

290 - Complications of Removing Antibiotic Impregnated Cement Nails

John M. Kopriva, MD, Emory University

32 - IMN Length and Loss of Reduction in IT Fractures

Patrick Naeger, MD, University of Texas Medical Branch

118 - Persistent Racial Disparities in Complications and Delay to Surgery in Hip Fracture Patients: Data from the ACS NSQIP Targeted Hip Fracture Series 2016-2020

Christian Pean, MD, Duke University School of Medicine

388 - Opportunistic CT – A Novel Opportunity for Osteoporosis Screening

Jared J. Reid, MD, Medical University of South Carolina

36 - The Incidence of S1S2 Sacral Kyphosis in an Adult Population

Timothy Westbrooks, MD, University of Kentucky