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/Orthocarolina

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 Orthopedic 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/Orthocarolina*

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 Catastropizing 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

Bishoy Ameen, BA, Harvard Medical School

32 - Reducing Opioid Prescribing Lowers Consumption, Pain Scores Following Joint Arthroplasty
Ryan H. Barnes, MD, University of North Carolina at Chapel Hill

107 - General Anesthesia Increases Adverse Events Compared to Spinal Anesthesia in UKA
William M. Cregar, MD, Rush University Medical Center

216 - Radiologist Overreads of Intraoperative Radiographs - Value or Waste?
Brian M. Curtin, MD, Ortho Carolina

217 - No Difference in Patient Compliance between Full-Strength vs. Low-Dose Aspirin.
Brian M. Curtin, MD, Ortho Carolina

272 - Prosthetic Joint Infection after Dental Work: Is the Prophylaxis Effective?
Richard M. Danilkowicz, MD, MAT, Duke University Medical Center

367 - Liposomal Bupivacaine: Is it Worth the Extra Money?
Alexander M. Dawes, BS, Emory University

53 - Preoperative Hyponatremia Increases Risk of Complications in Total Joint Arthroplasty
Safa C. Fassihi, MD, George Washington University

360 - Evaluation of the Maintenance of Surgical Optimization
Patrick Gilligan, MD, West Virginia University

209 - Differential Impact of Gender on Total Joint Arthroplasty Outcomes: Analysis of a National Database from 2011-2017
Mohamad Halawi, MD, Baylor College of Medicine

210 - Combating the Opioid Epidemic: One-Week Supply of Opioids May be Plenty for Total Joint Arthroplasty
Mohamad Halawi, MD, Baylor College of Medicine

77 - Non-Orthopaedic Encounters Increase Opioid Exposure in Joint Osteoarthritis
Charles A. Johnson, MD, Medical University of South Carolina

305 - Very Low Infection Rate in an Obese, Co-morbid Arthroplasty Population
Hayden Joseph, MD, Vanderbilt University Medical Center

381 - Cost Analysis of Distal Femur Replacements for Distal Femur Fractures
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228 - Preoperative Depression Is Associated with Increased Risk Following Revision Total Joint Arthroplasty
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136 - Decreased 30-Day Complications with Regional Anesthesia in Revision Knee Arthroplasty
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244 - Impact of Depressive Disorders in Patients Undergoing Primary Total Shoulder Arthroplasty: A Matched-Control Analysis of 113,648 Medicare Patients
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