

## 2019 EOA E-Poster Presentations

### **Station A**

#### **BASIC SCIENCE**

##### **Poster 1**

627 - Elevation and Simulated Swelling Affect Digital Perfusion in Casted Arms

*Brianna R. Fram, MD, Rothman Institute of Orthopedics*

##### **Poster 2**

538 - Comparison of Unicortical and Bicortical Proximal Screws and Short Plate vs. Long Plate in a Distal Femur Fracture Model

*Ardalan Sayan, MD, Marshall Orthopedics*

##### **Poster 3**

169 - Quantitative Determination of Wear Rate in Retrieved Polyethylene Glenoid Components

*Peter J. Shaughnessy, MD, Dartmouth-Hitchcock Medical Center*

#### **HAND/WRIST**

##### **Poster 4**

257 - Conventional vs. 3D-Printed Cast in Pediatric Distal Radius Fractures (A Randomized Controlled Blinded Study)

*Lauren E. Banner, BS, Rothman Orthopedics*

##### **Poster 5**

171 - Effectiveness of Corticosteroid Injections in Diabetic Patients with DeQuervain's Tenosynovitis

*Vincent Patrick Buddle, DO, Rowan School of Osteopathic Medicine*

*\*Presented by Dennis DeBernardis Jr., DO*

##### **Poster 6**

265 - Elevated BMI Predicts Increased Intra-Articular Communication in Distal Radius Fractures

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

*\*Presented by Leah Herzog, MD*

##### **Poster 7**

194 - Outcomes of a Novel Endoscopic Surgical Technique for Trigger Finger

*Ather A. Mirza, MD, Mirza Orthopedics*

*\*Presented by Justin B. Mirza, DO*

##### **Poster 8**

718 - Variations of Innervation of the Thenar Musculature

*Chika Okafor, MD, Howard University Hospital*

*\*Presented by Chukwuemeka Mbagwu, MD*

#### **TOTAL JOINT**

**Poster 9**

515 - Is Fever Unnecessarily Delaying Hospital Discharge after Total Joint Arthroplasty?

*Andres F. Duque, MD, MSc, Rothman Orthopaedics*

**Poster 10**

68 - The Utilization of Platelet Indices as a Marker of PJI

*Taylor Paziuk, MD, The Rothman Orthopaedic Institute*

**Poster 11**

787 - Which of the Recommended Tests Based on the 2018 Definition of Periprosthetic Joint Infection has the Best Performance?

*Camilo Restrepo, MD, Cooper University Hospital*

**Station B****OTHER****Poster 12**

142 - The Effect of State Legislation on Opiate Prescribing Patterns

*Fernando Aran, MD, Wake Forest Baptist Health*

*\*Presented by Kevin Y. Wang, BA*

**Poster 13**

684 - Acute Inpatient Outcomes for the Orthopedic Trauma Patient with Dementia  
Shields

*Charlotte N. Shields, BS, NYU Langone Orthopedic Hospital*

**PEDIATRICS****Poster 14**

113 - AAOS Appropriate Use Criteria: Management of Supracondylar Humerus Fractures at a Level I Trauma Center

*Diana G. Douleh, MD, University of Colorado*

**Poster 15**

175 - Compliance with Rigo-Cheneau Brace and Exercise Program Improves Idiopathic Curves

*Brian C. Lynch, BS, MS, MD, Stony Brook University Hospital*

**Poster 16**

345 - Pediatric Femur Fracture Flexible Nailing: Predicting Need for Open Reduction

*William L. Shelton, MD, Louisiana State University Health New Orleans*

**SHOULDER/ELBOW****Poster 17**

740 - Medial Calcar Bone Resorption after Anatomic Total Shoulder Arthroplasty: Does it Affect Outcomes?

*Paul DeVito, DO, Holy Cross Orthopedic Institute*

**Poster 18**

468 - Low Additional Morbidity with Open vs Arthroscopic Shoulder Stabilization Procedures

*Evan W. James, MD, Hospital for Special Surgery*

**Poster 19**

668 - Correlation of PROMIS with ASES, and Constant in Adhesive Capsulitis

*Oluwadamilola O. Kolade, MD, NYU Langone Orthopaedic Hospital*

**Poster 20**

301 - Opioid Free Rotator Cuff Repair

*Edwin G. Theosmy, DO, Rowan University School of Osteopathic Medicine*

**Poster 21**

417 - Early Clinical Outcomes of Superior Capsular Reconstruction Compared to Tendon Transfers

*Eric R. Wagner, MD, MS, Upper Extremity Center, Emory University*

**Station C**

**SPINE**

**Poster 22**

233 - Teriparatide Efficacy in Instrumented vs. Non-Instrumented Posterior Lumbar Interbody Fusion

*Jonathan R. Acosta, BS, Drexel University College of Medicine*

**Poster 23**

595 - Comparing Lumbar Spinal Fusion Perioperative Morbidity and Mortality by Approach

*Conor Dunn, MD, St. Joseph's University Medical Center*

**Poster 24**

545 - Does Hypothyroidism Increase Complications and Cost following Primary 1- to 2- Level Lumbar Fusion?

*Ajit M. Vakharia, BS, Morehouse School of Medicine*

**SPORTS MEDICINE**

**Poster 25**

446 - Tunnel Widening after ACL Reconstruction Using Different Graft Fixation Methods

*Jeansol Kang, MD, Boston Medical Center*

*\*Presented by Robert L. Parisien, MD*

**Poster 26**

460 - A Biomechanical Comparison of Intra-Articular vs. Extra-Articular Arthroscopic Knot-Tying Techniques

*Ryan Hoffman, MD, Albert Einstein Medical Center*

**Poster 27**

478 - Statistical Fragility in the Hip Arthroscopy Literature

*Robert L. Parisien, MD, University of Pennsylvania*

**Poster 28**

114 – History of Spine Surgery Predicts Poor Outcome after Hip Arthroscopy

*Jacob Feingold, BS, Hospital for Special Surgery*

**Poster 29**

594 - Hip Capsule Biomechanics: Effect of Capsulotomy and Repair on Resistive Capsular Torque

*Anil S. Ranawat, MD, Hospital for Special Surgery*

**UPPER EXTREMITY**

**Poster 30**

592 - Complications from Modifiable Risk Factors in Upper Extremity Orthopaedic Surgery

*Dominick V. Congiusta, MPH, BS, Rutgers New Jersey Medical School*

**Poster 31**

745 - Correlation and Consistency of Levine Glenoid Classification between Axillary Radiographs and Axial CT Scan

*Paul DeVito, DO, Holy Cross Orthopedic Institute*

**Poster 32**

172 - An Electrodiagnostic-Based Grading System for Cubital Tunnel Syndrome

*Cory M. Lebowitz, BS, DO, Rowan University School of Osteopathic Medicine*

**Station D**

**FOOT AND ANKLE**

**Poster 33**

729 - Early Outcomes of 3D-Printed Total Talus Arthroplasty

*Amanda N Fletcher, MD, MS, Duke University Medical Center*

*\*Presented by Daniel E. Goltz, MD, MBA*

**Poster 34**

254 - Medial Clear Space Volume as a Measure of Anatomic Reduction of Ankle Fractures

*John Marzo, MD, University Orthopaedics and Sports Medicine*

**TOTAL HIP**

**Poster 35**

534 - Deeper Central Reaming May Enhance Initial Acetabular Shell Fixation

*Thomas R Hickernell, MD, Columbia Orthopedics*

**Poster 36**

791 - Improved Component Positioning in Computer-Assisted Birmingham Hip Resurfacing

*Tyler Luthringer, MD, NYU Langone Orthopedics*

*\*Presented by Siddharth Mahure, MD*

**Poster 37**

419 - Direct Anterior Approach Total Hip Arthroplasty Using a Morphometrically Optimized Femoral Stem, a Conventional Operating Table, without Fluoroscopy

*Jorge Manrique, MD, Rothman Institute of Orthopaedics*

**Poster 38**

355 - Direct Anterior Approach for Revision Total Hip Arthroplasty

*Robert Nugent, DO, Rowan School of Osteopathic Medicine*

**Poster 39**

472 - Undersedation during Total Hip Arthroplasty Reduction Results in Worse Patient Outcomes

*Sean P. Ryan, MD, Duke University Medical Center*

**TOTAL KNEE**

**Poster 40**

477 - Fast-Track Bilateral Total Knee Arthroplasty: Associated Factors for Early Discharge

*Eric J. Buxbaum, DO, Rothman Orthopaedics*

*\*Presented by Melissa Meyer, DO*

**Poster 41**

557 - Comparing Radiographic Outcomes of Robotic Total Knee Replacement to Manual Instrumentation

*Luis Grau, MD, Inspira Health Network*

**Poster 42**

597 - Increased Utilization of Constraint in Total Knee Arthroplasty following Anterior Cruciate Ligament and Multiligament Knee Reconstruction

*Anil S. Ranawat, MD, Hospital for Special Surgery*

**Poster 43**

337 - Comparison of Spinal and General Anesthesia in Total Knee Arthroplasty

*Smitha Vellanky, MSc, Musculoskeletal Outcomes Institute*

*\*Presented by Grace McCann, BA*

**Poster 44**

158 - A CT-Based Alignment Measurement Technique for Computer-Guided Total Knee Arthroplasty

*Jingwei Zhang, PhD, MBA, Stryker*

## **Station E**

### **PRACTICE MANAGEMENT**

#### **Poster 45**

482 - Predictors of Discharge Disposition after Hip Fracture

*Katherine Li, MD, Atrium Health Musculoskeletal Institute*

#### **Poster 46**

784 - H-Index/Research Gate Score as Indices for Sports Medicine Academic Promotion

*Molly M. Vora, BA, Boston University School of Public Health*

*\*Presented by Robert L. Parisien, MD*

### **TRAUMA**

#### **Poster 47**

706 - Age Stratified Complications and Mortality following Hip Replacement vs. Hemiarthroplasty

*Alexander Lieber, BA, Drexel University College of Medicine*

#### **Poster 48**

12 - The Ankle-Ankle Index: A Valuable Vascular Assessment Tool in Lower Extremity Trauma

*David Macknet, MD, Atrium Health/Ortho Carolina*

#### **Poster 49**

144 - Long-Term Radiation Safety Profiles of X-Rays after Undergoing Femoral Intramedullary Nailing

*John M. Reynolds, MD, Temple University Hospital*

#### **Poster 50**

786 - Hardware Removal Due to Infection after Open Reduction and Internal Fixation: Trends and Predictors

*Shaun Rowe, PA, Cooper University Hospital*

#### **Poster 51**

2 - Association between Low-Energy Distal Femur Fractures and Proximal Tibia Fixation

*Garret L. Sobol, MD, Rutgers NJMS*

#### **Poster 52**

305 - Florida Legislation Successfully Decreases Narcotic Use in Orthopaedic Trauma Patients at a Level I Trauma Center

*Porter F. Young, MD, University of Florida, Jacksonville*

### **TUMOR**

**Poster 53**

689 - A Cross-Species Personalized Medicine Pipeline Identifies the CRM1 Export Pathway as a Potentially Novel Treatment for Osteosarcoma

*Alexander L. Lazarides, MD, Duke University Medical Center*

**Poster 54**

275 - A Multicentered RCT of Negative Pressure Dressings for Irradiated Soft Tissue Sarcoma Wounds

*Sophia A. Traven, MD, Medical University of South Carolina*