

## WOA 2024 Posters

### **Basic Science**

#### **Poster 1**

97 - A Novel Approach to Removal of Cemented Prosthesis Using Electro-Magnetic-Force  
*Gerhard E. Maale, MD, Dallas Ft. Worth Sarcoma Group/Medical City Plano*

### **Foot & Ankle**

#### **Poster 2**

279 - Transcalseaneal Talonavicular Fracture-Dislocation: Imaging Findings and Fracture Characteristics

*Garrett K. Berger, MD, PharmD, University of California, San Diego*

*\*Presented by Aaron Tran, MD*

#### **Poster 3**

359 - Mal Perforans Ulcers: Their Biomechanics and Pathology as Guides to Management  
*Michael B. Strauss, MD, MemorialCare Long Beach Medical Center*

### **Other**

#### **Poster 4**

148 - Outpatient Antibiotic Use in Orthopaedic Surgery Practice from 2013 – 2021

*John J. Bartoletta, MD, University of Washington*

#### **Poster 5**

355 - Medical School Ranking and 2020-2022 Orthopedic Surgery Residency Match

*Justin Perry, AB, Brown University*

### **Pediatrics**

#### **Poster 6**

248 - Demographic Factors Associated with Suicide Screenings in Outpatient Pediatric Orthopaedics

*Victoria Holm, BS, California University of Science and Medicine*

### **Practice Management/Education**

#### **Poster 7**

47- An Analysis of Venous Thromboembolism-Related Litigation in Orthopaedic Surgery

*Simon T. Moore, BS, University of California Riverside School of Medicine*

*\*Presented by Andrew M. Miner, BS*

### **Shoulder & Elbow**

#### **Poster 8**

447 - Incidence Rates of Venous Thromboembolism Following Shoulder Arthroplasty in Patients with Prior History of VTE

*Lina Elias, BS, MS, University of Arizona College of Medicine Phoenix*

### **Spine**

#### **Poster 9**

110 - Comparing Discharge Status and Surgical Outcomes Following Lumbar Fusion Surgery  
*Zachary Boozé, University of California, Davis*  
*\*Presented by Brandan Kha La*

**Poster 10**

209 - Postoperative Risk in Sickle Cell Disease Patients Following Lumbar Fusion  
*Michael Brown, BS, Keck School of Medicine at USC*

**Poster 11**

166 - Comparing Opioid Utilization and Associated Costs in Single-Level Spondylolisthesis  
*Hania Shahzad, MD, University of California, Davis*  
*\*Presented by Om Patel, MBS*

**Sports Medicine**

**Poster 12**

90 - Future of Movement: Smartphone-Driven Kinematic Analysis in Clinical Practice  
*Seth L. Sherman, MD, Stanford University*

**Total Hip**

**Poster 13**

258 - Total Hip Arthroplasty Without Custom Implants in Skeletal Dysplasia Patients  
*Rebisi Owkhonda, MD, MS, Cedars-Sinai Medical Center*

**Total Joint**

**Poster 14**

455 - Correlation of Patient Outcomes with Surgical Duration in Hip and Knee Arthroplasty  
*Songyuan Gu, MS, University of Colorado School of Medicine*

**Poster 15**

418 - Does Quantitative Nicotine Testing Impact Smoking Cessation In Joint Arthroplasty?  
*Robert Hall, MD, University of Massachusetts*

**Poster 16**

254 - Invasive Colonoscopy Within 6 Months Before Total Joint Arthroplasty Increases the Rate of Periprosthetic Joint Infection  
*Brandon E. Lung, MD, University of California, Irvine*

**Poster 17**

429 - Diversity of Participants and PROMS Used to Inform CPGs for Hip and Knee Osteoarthritis  
*Lauren M. Shapiro, MD, MS, University of California, San Francisco*  
*\*Presented by Tina Mai*

**Total Knee**

**Poster 18**

271 - Improved Stability in Robotic TKA With Controlled Medial Femoral Resections  
*Regina Chi, BS, Cedars-Sinai Medical Center*

**Poster 19**

370 - Incidence of ACL Injuries in Females by Selective Use of Oral Contraceptive Pills  
*Sydney Anne Fry, BS, University of Colorado School of Medicine*  
*\*Presented by Jason Dragoo, MD*

### **Trauma**

#### **Poster 20**

228 - Impacts of Community Distress on Tibial Shaft Fracture Fixation  
*Samuel K. Simister, MD, MBA, UC Davis*  
*\*Presented by Frank Sierra, BS*

### **Tumor**

#### **Poster 21**

440 - Is Aspirin Safe for Venous Thromboembolism Prophylaxis after Lower Extremity Neoplastic Pathologic Fractures?  
*Matthew Chen, BA, Keck School of Medicine of USC*  
*\*Presented by Brandon S. Gettleman, BS*

#### **Poster 22**

257 - Association of Postoperative Infection on Soft Tissue Sarcoma Resection Outcomes  
*Neslihan Erbas, BS, Oregon Health and Science University*

### **Upper Extremity**

#### **Poster 23**

72 - Post-operative Use of Hinged Elbow Orthosis After Terrible Triad Injuries  
*Jacquelyn P. Cruz, MD, Stanford University*

## WOA 2024 E-Poster

### STATION A

#### Basic Science

##### **E-Poster 1**

424 - iPhone Gait Metrics Benchmark Functional Recovery After Ankle Fracture  
*Daniel C. Fitzpatrick, MD, MS, Slocum Center for Orthopedics & Sports Medicine*

#### Foot & Ankle

##### **E-Poster 2**

421 - Clinical outcomes of hammertoe correction with K-wire fixation of varying duration  
*Asahi Murata, MPH, University of Arizona College of Medicine Phoenix*

##### **E-Poster 3**

350 - PROMIS Minimal Clinically Important Differences Across Foot and Ankle Procedures  
*Nathaniel E. Zona, BA, University of Colorado*

#### Other

##### **E-Poster 4**

364 - Primary Fibroblast Disorder and Wound Dehiscences  
*Michael B. Strauss, MD, MemorialCare Long Beach Medical Center*

##### **E-Poster 5**

30 - Orthopaedic Surgery in Palau – Current Capacity, Needs, and Future Directions  
*Eli M. Snyder, BS, University of Hawaii John A. Burns School of Medicine*

### STATION B

#### Shoulder & Elbow

##### **E-Poster 6**

286 - Diabetic Patients Experience Increased Early Postoperative Complications Following Revision Total Shoulder Arthroplasty  
*Rachel A. Loyst, BS, Stony Brook University*

#### Spine

##### **E-Poster 7**

167 - Assessing Medicare Advantage Trends in Lumbar Spine Surgery: Balancing Financial Appeal vs Patient Outcomes  
*Hania Shahzad, University of California, Davis*

#### Sports Medicine

##### **E-Poster 8**

384 - Exertional Compartment Syndrome: Analogical Reasoning for its Evaluation and Management  
*Katherine Wilson, BS, University of California San Diego School of Medicine*

##### **E-Poster 9**

135 - Commercial Insurance Payer Coverage Criteria for Meniscal Allograft Transplantation Fail to Reflect Modern Indications for the Procedure  
*Jacob L. Kotler, BA, University of Southern California*

*\*Presented by Cailan Feingold, BS*

**Total Hip**

**E-Poster 10**

377 - Decreased Post-Operative Opioid use following Total Hip Arthroplasty in Diabetic Patients using GLP-1 Agonists Compared to Other Glycemic Control Modalities

*Mackenzie Kelly, MD, Oregon Health & Science University*

**STATION C**

**Total Joint**

**E-Poster 11**

453 - Readability Analysis of Spanish-Language PROMs in Hip and Knee Arthroplasty

*Jorge A. Garavito, BA, BS, Warren Alpert Medical School of Brown University*

**E-Poster 12**

373 - Increasing Health Literacy in Arthroplasty Patients with Video-Based Intervention

*Sung Jun Son, MD, Harbor-UCLA Medical Center*

*\*Presented by Justin Sedgewick*

**E-Poster 13**

183 - Harms Reporting in Clinical Practice Guidelines for Management of PJI

*Mary K. Richardson, BS, Keck School of Medicine of USC*

**E-Poster 14**

320 - Evaluation of a Commonly Used Surface-Hardening TKA Femoral Component used for Nickel- Reactive and Nickel-Sensitive Patients

*Alexander P. Sah, MD, Institute for Joint Restoration*

**Hand & Wrist**

**E-Poster 15**

360 - How Representative are Patient Reported Outcome Measures for Distal Radius Fractures? A Systematic Review of Development Studies

*Zuivanna Rivas, BS, University of California, San Francisco*

**STATION D**

**Total Knee**

**E-Poster 16**

452 - Peripheral Nerve Stimulation- A Novel, Minimally Invasive Technique in Treating Painful Knees

*Earl Kilbride, MD, MHA, Austin Orthopedic Institute*

**E-Poster 17**

130 - Efficacy and Safety of Tramadol in Total Knee Arthroplasty

*Frank Sierra, BS, UC Davis*

**E-Poster 18**

322 - "The Other Partial Knee": Outcomes of 250 Consecutive Patients using a Popular Milling System Technique for Patellofemoral Unicompartmental Arthroplasty

*Alexander P. Sah, MD, Institute for Joint Restoration*

**Tumor**

**E-Poster 19**

34 - Efficacy of AI Responses to Patient Questions on Bone Sarcomas

*Kameel Khabaz, BA, University of California Los Angeles*

**E-Poster 20**

96 - A Novel Method to Predict Height at Skeletal Maturity in Pediatric Sarcoma Patients

*Brian Prigmore, Oregon Health and Science University*

**STATION E**

**Trauma**

**E-Poster 21**

428 - Surgical Care Disparities for AO/OTA 44B2 Unstable Bimalleolar Ankle Fractures

*Jacob A. Becerra, BS, Keck School of Medicine of USC*

**E-Poster 22**

16 - Outcomes of Open Ankle Fractures in the Geriatric Population

*Matthew Burgess, MD, UCSF Fresno*

**E-Poster 23**

164 - Mini-Fragment Plates Provide Superior Subchondral Rafting for Schatzker II Fractures

*Joshua Gary, MD, Keck School of Medicine of USC*

*\*Presented by Elizabeth Lechholz-Zey, BS*

**E-Poster 24**

378 - Skin Dysbiosis Increases Risk of Complications Following Femoral Shaft Fractures

*Aaron B. Epperson, MS, University of Colorado Anschutz Medical Campus*

**E-Poster 25**

158 - Hinged-Knee Brace Effect on Wound Complications following Tibial Plateau ORIF

*Stevin Lu, BS, Creighton University School of Medicine*

**E-Poster 26**

389 - Outcomes of Humerus Nonunion Surgical Treatment

Justin Lee, MS

*Chloe Oesterreich, OMS-II, Northwestern University*

**E-Poster 27**

431 - Subchondral Rafting Wires Reduce Tibial Plateau Fracture Subsidence

Daniel Rusu

*Daniel Rusu, BS, Keck School of Medicine of USC*

**E-Poster 28**

246 - Emergency Department Utilization in Cannabinoid Users

*Cole Veliky, University of California, Davis*

*\*Presented by Brandan Kha La*