

WOA 2024 Posters

Basic Science

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

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

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

**Presented by Aaron Tran, MD*

359 - Mal Perforans Ulcers: Their Biomechanics and Pathology as Guides to Management

Michael B. Strauss, MD, MemorialCare Long Beach Medical Center

Other

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

John J. Bartoletta, MD, University of Washington

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

Justin Perry, AB, Brown University

Pediatrics

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

Victoria Holm, BS, University of Kentucky

Practice Management/Education

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

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

110 - Comparing Discharge Status and Surgical Outcomes Following Lumbar Fusion Surgery

Zachary Boozé, University of California, Davis

209 - Postoperative Risk in Sickle Cell Disease Patients Following Lumbar Fusion

Michael Brown, BS, Keck School of Medicine at USC

166 - Comparing Opioid Utilization and Associated Costs in Single-Level Spondylolisthesis

Hania Shahzad, MD, University of California, Davis

Sports Medicine

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

Total Hip

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

Total Joint

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

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

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

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

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

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

280 - Laser-Assisted Indocyanine Green Angiography Aids in the Prediction of Soft Tissue Viability in Pilon Fractures
Avinaash Korrapati, MD, University of California, San Diego

228 - Impacts of Community Distress on Tibial Shaft Fracture Fixation
Samuel K. Simister, MD, MBA, UC Davis

Tumor

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*

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

Upper Extremity

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

WOA 2024 E-Poster

Basic Science

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

Foot & Ankle

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

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

Hand & Wrist

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

Other

458 - Periacetabular Osteotomy: Determining Common Questions Asked on Social Media
John M. Gaddis, BS

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

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

Shoulder & Elbow

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

Spine

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

Sports Medicine

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

135 - Commercial Insurance Payer Coverage Criteria for Meniscal Allograft Transplantation Fail to Reflect Modern Indications for the Procedure

Jacob L. Kotlier, BA, University of Southern California

**Presented by Eric H. Lin, BA*

Total Hip

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

Total Joint

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

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

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

Sung Jun Son, MD, Harbor-UCLA Medical Center

**Presented by Justin Sedgewick*

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

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

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

262 - Comparing Arthroplasty Outcomes in Rural and Urban Patients: A Web-Based Study

Jeremiah Taylor, BS, UCLA

Total Knee

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

Earl Kilbride, MD, MHA, Austin Orthopedic Institute

130 - Efficacy and Safety of Tramadol in Total Knee Arthroplasty

Frank Sierra, BS, UC Davis

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

Trauma

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

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

16 - Outcomes of Open Ankle Fractures in the Geriatric Population

Matthew Burgess, MD, UCSF Fresno

164 - Mini-fragment plates provide superior subchondral rafting for Schatzker II fractures.

Joshua Gary, MD, Keck School of Medicine of USC

378 - Skin Dysbiosis Increases Risk of Complications Following Femoral Shaft Fractures
Aaron B. Epperson, MS, University of Colorado Anschutz Medical Campus

158 - Hinged-Knee Brace Effect on Wound Complications following Tibial Plateau ORIF
Stevin Lu, BS, Creighton University School of Medicine

389 - Outcomes of Humerus Nonunion Surgical Treatment
Justin Lee, MS
Chloe Oesterreich, OMS-II, Northwestern University
**Presented by Connor Fritz, MS*

431 - Subchondral Rafting Wires Reduce Tibial Plateau Fracture Subsidence
Daniel Rusu
Daniel Rusu, BS, Keck School of Medicine of USC

74 - T-Shaped Mini-Fragment Plating of Patella Fractures: a Retrospective Cohort Study
Mackinzie A. Stanley, BA, California University of Science and Medicine

246 - Emergency Department Utilization in Cannabinoid Users
Cole Veliky, University of California, Davis

Tumor

34 - Efficacy of AI Responses to Patient Questions on Bone Sarcomas
Kameel Khabaz, BA, University of California Los Angeles

96 - A Novel Method to Predict Height at Skeletal Maturity in Pediatric Sarcoma Patients
Brian Prigmore, Oregon Health and Science University

Upper Extremity

70 - Outcomes in Dorsal Spanning Plates in Managing Distal Radius Fractures
Yusuf Mufti, BS, UTHSCSA