WOA E-Poster Presentations

**Basic Science**

Characterization Of Human Pluripotent Stem Cell Pericytes In Murine Model Of Massive Rotator Cuff Tear  
*Gina M. Mosich, MD, University of California, Los Angeles*

In Vitro Inhibition Of Fibroadipogenic Progenitor Cells In A Murine Model Of Rotator Cuff Tears  
*Brandon Vu, BS, University of California, Los Angeles*

**Foot & Ankle**

Relationship Between Hemoglobin A1c Value And Bone Healing In Diabetic Ankle Fractures Treated Operatively Vs Non-Operatively  
*Jessica Hughes, MD, Baylor Scott and White*

Comparative Outcomes For Treatment Of Articular Cartilage Lesions In The Ankle With Particulated Juvenile Cartilage Allograft: Open Versus Arthroscopic Treatment  
*Robert Turner, MD, Tripler Army Medical Center*

**Other**

Is The Internet A Reliable Source For Patient Education? A Systematic Review Of Online Resources In Orthopaedic Surgery  
*Jason H. Ghodasra, MD, MSCI, University of California, Los Angeles*

Anatomic Knowledge And Perceptions Of The Adequacy Of Anatomic Education Amongst Applicants To Orthopedic Residency  
*Jeremy D. Shaw, MD, University of California, San Francisco*

**Pediatrics**

Association Between Femoroacetabular Impingement Morphology And Adolescent Pelvic Avulsion Fractures  
*Derek Axibal, MD, MS, University of Colorado*

Epidemiology Of Anterior Tibial Spine Fractures In Young Patients  
*Derek Axibal, MD, MS, University of Colorado*

Similar Outcomes: Operative vs Non-Operative Medial Epicondyle Fractures In Athletes  
*Derek Axibal, MD, MS, University of Colorado*
Avascular Necrosis With Modified Dunn In SCFE Patients: A Meta-Analysis
Julio Jauregui, MD, University of Maryland

The Risk Of Curve Progression In African Americans With AIS
Taylor R. Lara, MD, Oregon Health & Science University

Change In Radiographic Displacement Of Non-Operatively Treated Displaced Medial Humeral Epicondyle Fractures In Pediatric Patients
Gina M. Mosich, MD, University of California, Los Angeles

Meta-Analysis Of Isolated Pediatric Meniscus Injury
Gina M. Mosich, MD, University of California, Los Angeles

Rigid Nail Fixation In Children Ages Six To Twelve Years Old: A Systematic Review
Brielle Kimberly Payne, MD, University of New Mexico

Medial Patellofemoral Augmentation In Adolescent Patella Dislocations
Nicolas Vardiabasis, DO, Riverside University Health System

The Typical Resting Position Of The Adolescent Scapula
Nicolas Vardiabasis, DO, Riverside University Health System

Mischievous Metaphyseal Metal: An Argument For Removing Implants In Children
Chason Ziino, MD, Stanford University

Spine

A Prospective, Randomized Study Of Patient Controlled Epidural Analgesia Versus Patient Controlled Intravenous Analgesia For Postoperative Pain Control After 1- And 2-Level Lumbar Fusions
Alexander Arzeno, MD, Stanford University

Incidence Of Lumbar Disc Herniation In Military Helicopter Pilots
CPT J. Banks Deal Jr., MD, Tripler Army Medical Center

Long Term Clinical Outcomes In Patients With Type-II Odontoid Fractures
Ryan Martyn, MD, Geisinger Medical Center

Sports Medicine

Effect Of Graft Proudness On OCA Contact Forces
Peter Z. Du, BS, University of California Los Angeles
Coracoclavicular Ligament Reconstruction: Early Outcomes Of A Novel Reconstruction Technique  
*Michael H. French, DO, Riverside University Health System Medical Center*

Return To Play Following Shoulder Stabilization: A Systematic Review  
*Marc N. Ialenti, MD, University of California, San Francisco*

Comparative Effectiveness Of Cartilage Repair With Respect To Minimal Clinically Important Difference (MCID)  
*Benjamin V. Kelley, MD, University of California, Los Angeles*

Management Of Arm Pump: Chronic Exertional Compartment Syndrome Of The Forearm  
*Zachary C. Lum, DO, Valley Orthopaedic Surgery Residency*

Wearable Sensors Allow Measurement Of Resident Improvement In Arthroscopic Simulation  
*Peters T. Otlans, MD, MPH, Oregon Health & Science University*

Glenoid Track Comparison To 13-Year Clinical Outcomes Following Shoulder Stabilization  
*Liang Zhou, MD, Tripler Army Medical Center*

**Total Knee**

Unicompartmental Knee Arthroplasty For Spontaneous Osteonecrosis Of The Knee: A Meta Analysis  
*Julio Jauregui, MD, University of Maryland*

Effects Of Corticosteroids On Periarticular Infiltration Analgesia In Knee Arthroplasty; A Systematic Review And Meta-analysis Of RCTs  
*Samer Kakish, FRCS (Tr and Orth), University of New Mexico*

**Trauma**

Civilian Gunshot Wounds of the Innominate Bone  
*Meghan A. Brown, MD, University of Southern California*

Dismounted Complex Blast Injuries: Patterns Of Contralateral Limb Injuries In Patients With Lower Extremity Amputations  
*John Dupaix, MD, University of Hawaii*

Civilian Gunshot Wounds of the Sacrum  
*Mary Kate Erdman, MD, University of Southern California*

Effect Of Mental Health Conditions On Complications, Revision Rates And Readmission Rates Following Lower Extremity Trauma
Brock Foster, MD, Keck School of Medicine of University of Southern California

Acetabular Fractures: Emergence Of Total Hip Arthroplasty As Index Procedure
John Garlich, MD, Cedars Sinai Medical Center

Practice Patterns In The Treatment Of Posterior Pelvic Ring Injuries
Jacob D. Gire, MD, Stanford University

Distal Femur Replacement versus Fixation For Geriatric Distal Femur Fracture
Michael Githens, MD, Harborview Medical Center

A Management Protocol For Acute Knee Dislocations With Associated Vascular Injury
Thomas Githens, DO, Texas Tech University

Use Of 3D Printed Models To Improve Acetabulum Fracture Identification
Philip K. Lim, MD, University of California, Irvine

Scapula-Shoulder, Humerus , Elbow Through Forearm Reconstruction; A Case Report
Gerhard E. Maale III, MD, Medical City Hospital

Are Retrograde Nails Better For Distal Femur Fractures In Obese Patients?
Kevin Murr, MD, Harborview Medical Center

Nail Or Plate? Supracondylar Distal Femur Fractures In The Elderly
Motasem Refaat, MD, Harborview Medical Center

Accuracy Of Assessing Reduction In Intertrochanteric Hip Fractures Using Fluoroscopy
Evan E. Vellios, MD, University of California, Los Angeles

Retrograde Tibial Nailing For Shaft Fractures Below A Total Knee Arthroplasty And Internal Fixation, A Novel Technique
Chason Ziino, MD, Stanford University

Femoral Neck Displacement Is Underestimated Using Fluoroscopy: Pilot Sawbones Study
Stephen Zoller, MD, University of California, Los Angeles

Upper Extremity

Carbon Fiber Implants In Distal Radius Fractures: A Prospective Study
Sonia Chaudhry, MD, Denver Health Medical Center

Effects Of Chronic Opioid Use On Perioperative Shoulder Arthroplasty Outcomes
Jonathan Cheah, MD, University of California, San Francisco

Effect Of Mental Health On Readmissions And Complications Following Shoulder Arthroplasty
Brock Foster, MD, Keck School of Medicine of University of Southern California

The Assessment Of Quality, Accuracy And Readability Of Internet Queries For Dupuytren’s Contracture: Are They Reliable Resources For Patient Education?

Jason H. Ghodasra, MD, MSCI, University of California, Los Angeles

Anatomic Anterior Proximal Ulnar Angle Differences Based On Arm Position And A Case Report Of Its Use

Ian Hasegawa, MD, University of Hawaii

Aggression Related Injuries Of The Hand In The United States

Joshua W. Hustedt, MD, MHS, University of Arizona

The Effect Of Preoperative Modifiable Risk Factors On Postoperative Complications In Hand Surgery

Joshua W. Hustedt, MD, MHS, University of Arizona

Collagenase, Aponeurotomy And Application Of Digit Widget For Dupuytren’s Disease

Jesua Law, DO, Valley Orthopaedic Surgery Residency

Surgical Degloving For The Treatment Of Necrotizing Fasciitis

Jesua Law, DO, Valley Orthopaedic Surgery Residency

A Comparison Of Outpatient Versus Inpatient Shoulder Arthroplasty – A Single Hospital Experience

Chima Nwankwo, MD, St. Mary’s Medical Center

Cost-Effectiveness Analysis Of Open Versus Endoscopic Carpal Tunnel Release

Gabrielle M. Paci, MD, Stanford Hospital and Clinics

Association Of Lunate Morphology With Carpal Mechanics In Scapholunate Ligament Injury

Eric Q. Pang, MD, Stanford University

Tensile And Torsional Structural Properties Of The Native Scapholunate Ligament And Structural Properties Of The Palmaris Longus And Brachioradialis Tendons As Potential Grafts For Scapholunate Ligament Reconstruction

Eric Q. Pang, MD, Stanford University