WOA 2021 Virtual Presentations

Basic Science
73 - Donor Health Influences Osteogenic Potential of Transduced Mesenchymal Stem Cells
Kevin Collon, MD, USC Keck School of Medicine

94 - Platelet Deficiency Represents a Reversible Risk Factor for Periprosthetic Joint Infection in a Mouse Model
Danielle E. Greig, MD, University of California, Los Angeles

119 - Novel Antibody Disrupts Biofilm in Spinal Implant Infection Model
Christopher Hart, MD, University of California, Los Angeles

120 - The Impact of Gut Microbiome Diversity on Periprosthetic Joint Infection
Troy Sekimura, BS, University of California, Los Angeles

96 - RA in a Mouse Model did not Increase PJI Risk
Rishi Trikha, MD, University of California, Los Angeles

Foot & Ankle
265 - Quantifying Compressive Force across Midfoot Osteotomy using a Ring External Fixator
Tyler R. Freeman, MD, University of Colorado

226 - The Role of Depression and Catastrophizing on Outcomes Following Ankle Injuries
Yousi Oquendo, MSE, Stanford University School of Medicine

Hand & Wrist
217 - Upper Extremity Patient Reported Outcome Scores at 3 Weeks Predict Post-Op Satisfaction at 1 Year
Justin P. Chan, MD, University of California, Irvine Medical Center

218 - Patient Dissatisfaction after Highly “Successful” Hand Procedures
Justin P. Chan, MD, University of California, Irvine Medical Center

87 - Epidemiological Risk Factors for Progression of Base of Thumb Osteoarthritis
Jeffrey W. Kwong, BS, Stanford University School of Medicine

243 - Ultrasound of Thumb Muscles and Grasp Strength in Early Thumb Carpometacarpal Osteoarthritis
Cara Lai, BS, Stanford University

270 - Volar Plate Repair with Suture Tape Augmentation: A Biomechanical Study
David J. Wright, MD, University of California, Irvine
**Other**
285 - Is Expired Air Carbon Monoxide Testing Effective for Preoperative Screening of Cigarette Use in Orthopaedic Patients?
*David M. Gallacher, BS, Portland VA Medical Center*

**Pediatrics**
127 - Can Caregivers Forecast Child Postoperative Disability After Elective Orthopaedic Surgery?
*Danika Baskar, BA, Stanford University*

204 - Caregiver Health Literacy in Pediatric Orthopedic Surgery
*Rachel Garfinkel, MD, University of Arizona College of Medicine, Phoenix*

213 - What Determines Perceived Physician Empathy in Pediatric Orthopedics?
*Rachel Garfinkel, MD, University of Arizona College of Medicine, Phoenix*

20 - PROMIS Assessment in Pediatric Patients with Lower Extremity Deficiency - A Multicenter Study
*Vanna Rocchi, DO, Naval Medical Center Portsmouth*

149 - Comparison of Techniques for Measuring Correction in Femoral Derotational Osteotomies
*Marisa Su, MD, University of New Mexico*

210 - Paralytics for Supracondylar Humerus Fractures
*Loren C. Tholcke, DO, Children's Hospital of Orange County*

152 - Anterior Spinal Tethering vs. Fusion for Skeletally Immature Idiopathic Scoliosis
*Hao-Hua Wu, MD, University of California, San Francisco*

153 - Perspectives from Surgeons for Concurrent and Overlapping Surgery in Scoliosis
*Hao-Hua Wu, MD, University of California, San Francisco*

**Shoulder & Elbow**
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*Gregory Adamson, MD, Congress Medical Foundation*

17 - Improved Range-of-Motion After Shoulder Arthroplasty Using a Stemless Multiplanar-Osteotomy System
*Matthew Budge, MD, Kaiser Permanente*

201 - Scapular Neck Anatomy Predicts Notching in 145 Degree Reverse TSA
*David H. Campbell, MD, University of Arizona College of Medicine Phoenix*
235 - Biomechanical Characterization of Humeral Radiocapitellar Joint Resurfacing using Human Dermal Allograft
Derek Dee, MD, Dee Sports Orthopaedics

234 - Biomechanical Assessment of a V-Shaped Semitendinosus Allograft for Superior Capsule Reconstruction
Patrick J. Denard, MD, Congress Medical Foundation

103 - Factors Associated with Culture-Positive Revision after Primary Shoulder Arthroplasty
Ekamjeet S. Dhillon, MD, University of Washington

296 - Anatomic Total Shoulder Arthroplasty for Primary Glenohumeral Osteoarthritis in the Elderly
Andrew R. Jensen, MD, MBE, University of California, Los Angeles

239 - Quantitative Assessment of Radiocapitellar Joint Stability
Gregory Lupica, BS, Congress Medical Foundation

173 - A Multivariate Analysis Looking at Factors Affecting Pain and Outcomes after Rotator Cuff Repair
John R. Martin, MD, University of Arizona College of Medicine-Phoenix

75 - Factors Associated with Success of the Ream-and-Run Arthroplasty in the Young Patient
Derek T. Nhan, MD, University of Washington

190 - Added Value of Shoulder Explant Cultures in Treatment of Revision Shoulder Arthroplasties
Derek T. Nhan, MD, University of Washington

237 - Biomechanics Study for Superior Capsule Anterior Cable Reconstruction Using Semitendinosus Allograft
Maxwell Park, MD, Congress Medical Foundation

115 - Defining the Minimal Clinically Important Difference for Revision Shoulder Arthroplasty
Madeleine Salesky, BA, University of California, San Francisco

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Karch M. Smith, BA, University of Utah

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James E. Tibone, MD, Congress Medical Foundation

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*Imran N. Alam, Orthopedic Associates of Central Texas*

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*Adam Bacon, BS, University of California, Davis*

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*Japsimran Kaur, BS, Stanford University Medical Center*

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*Jason Laurita, MD, Oregon Health & Science University*

60 - Timing of Total Hip Arthroplasty affects Lumbar Spinal Fusion Outcomes
*Emily S. Mills, MD, University of Southern California*

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*Yousi Oquendo, MSE, Stanford University Medical Center*

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*Yousi Oquendo, MSE, Stanford University School of Medicine*

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*Varun Sambhariya, MD, John Peter Smith Hospital*

7 - Functional Classification based on Fear Avoidance Scores in Spine Patients
*Varun Sambhariya, MD, John Peter Smith Hospital*

282 - Anticoagulation in Elective Spine Cases: Rates of Hematomas versus Thromboembolic Disease
*Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center*

283 - Timing of VTE and Hematoma Events after Spine Surgery
*Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center*

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*Addison R. Wood, DO, PhD, John Peter Smith Hospital*

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*Hao-Hua Wu, MD, University of California, San Francisco*

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Arya Amirhekmat, BA, University of California, Irvine

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Michael T. Arnold, BS, David Geffen School of Medicine at UCLA

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Ryan Freshman, MD, University of California San Francisco

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Wilson Lai, MD, University of California, Irvine Medical Center

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Simran Mand, BS, University of Washington

Hayk Stepanyan, MD, University of California, Irvine

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Derek F. Amanatullah, MD, PhD, Mayo Clinic Alix School of Medicine

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Kurtis D. Carlock, MD, University of Washington

77 - Limb Length Discrepancy in Total Hip Arthroplasty
Matthew Gallo, BA, Keck School of Medicine of the University of Southern California

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Nathanael D. Heckmann, MD, Keck School of Medicine of the University of Southern California

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Benjamin V. Kelley, MD, University of California Los Angeles

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Matthew Orringer, BA, University of California, San Francisco School of Medicine

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Alexander P. Sah, MD, Institute for Joint Restoration

**Total Joint**

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John C. Bonano, MD, Stanford University

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Zachary K. Christopher, MD, Mayo Clinic Arizona

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Tyler R. Freeman, MD, University of Colorado

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Noah Paisner, BS, Pacific Northwest University

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Zachary A. Rockov, MD, Cedars-Sinai Medical Center

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Christopher Hart, MD, University of California, Los Angeles

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Zachary C. Lum, DO, University of California, Davis Medical Center

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Brandon E. Lung, MD, University of California, Irvine

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Alexander P. Sah, MD, Institute for Joint Restoration

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Alexander P. Sah, MD, Institute for Joint Restoration

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Heba Ahmad, BS, McGovern Medical School at the UT Health Houston

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Carolyn Ardizzone, MS, University of Utah

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Loren O. Black, MD, MBA, Oregon Health & Science University
Yousi Oquendo, MSE, Stanford University School of Medicine

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Zachary A. Rockov, MD, Cedars-Sinai Medical Center

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Zachary A. Rockov, MD, Cedars-Sinai Medical Center

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Zachary A. Rockov, MD, Cedars-Sinai Medical Center

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Ryan A. Seltzer, BS, Stanford University School of Medicine

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Alvin K. Shieh, MD, Harborview Medical Center

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Seth Tigchelaar, PhD, Stanford University

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Alex Upfill-Brown, MD MSc, David Geffen School of Medicine, University of California, Los Angeles

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Mayur Urva, BS, Institute for Global Orthopaedics and Traumatology, University of California, San Francisco

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Noelle L. Van Rysselberghe, MD, Stanford University

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Noelle L. Van Rysselberghe, MD, Stanford University

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Noelle L. Van Rysselberghe, MD, Stanford University

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Harsh Wadhwa, BS, Stanford University

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Harsh Wadhwa, BS, Stanford University

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Julian Wier, BS, Keck School of Medicine of the University of Southern California

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Natalie Zusman, MD, Oregon Health & Science University

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Natalie Zusman, MD, Oregon Health & Science University

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Kathryn Gallaway, University of Texas Southwestern Medical Center

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Danielle E. Greig, MD, University of California, Los Angeles

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Stephanie T. Kha, MD, Stanford University

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Rishi Trikha, MD, University of California, Los Angeles

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Joanne Zhou, MD, Stanford University