

**Western Orthopaedic Association  
Scientific Program  
Kauai, HI  
July 31<sup>st</sup> – August 2<sup>nd</sup>, 2025**

**Thursday, July 31<sup>st</sup>**

6:15 am – 7:15 am                      **Scientific Poster / E-Poster Session** (Presenters are available to answer questions)

7:00 am – 7:10 am                      **First Business Meeting**

**Rapid Fire Session 1A – Trauma**

Moderator:     TBD

7:15 am – 7:19 am                      473 - Step Counts Recorded 3 Months Postoperatively  
Predict Nonunion  
*Dane Brodke, MD, MPH, Oregon Health & Science  
University*

7:19 am – 7:23 am                      461 - One Year Analysis of PROMs for Novel  
Transfemoral Osseointegrated Prostheses  
*Amy M. Cizik, PhD, MPH, University of Utah*

7:23 am – 7:27 am                      252 - Methamphetamines and Outcomes in Lower  
Extremity Trauma  
*Christopher Collins, BA, Loma Linda Orthopedic Surgery*

7:27 am – 7:30 am                      Discussion

7:30 am – 7:34 am                      445 - Debridement of Ballistic Pelvic Fractures with  
Projectile Trajectory Entering Bowel Prior to Bone Results  
in Low Deep Infection Rates: a Multicenter Assessment  
*Andrew P. Collins, MD, University of Washington*

7:34 am – 7:38 am                      308 - Patient-Reported Cannabis Use Increased Opioid  
Requirements Following Tibia Intramedullary Fixation  
*Brandi A. Krieg, MD, University of Colorado*

7:38 am – 7:42 am                      650 - Does Anterior Fixation Reduce Pain and Opiate Use  
for LC Injuries  
*Pranit Kumaran, BS, Keck School of Medicine of USC*

7:42 am – 7:45 am

Discussion

### **Rapid Fire Session 1B – Total Knee**

Moderator: TBD

7:15 am – 7:19 am

126 - Do Cruciate Retaining Knees Perform Better Than Posterior Stabilized?

*Andrew I. Spitzer, MD, Cedars Sinai Medical Center*

7:19 am – 7:23 am

127 - Complication Risk Following TKA in Patients Receiving Testosterone Replacement Therapy

*Caleb Durst, BS, Cedars Sinai Medical Center*

7:23 am – 7:27 am

56 - Does Navigation or Robotics Improve Mid-Term Outcomes Following Primary TKA?

*Alexa Pius, MD, Stanford University*

7:27 am – 7:30 am

Discussion

7:30 am – 7:34 am

519 - Outcomes After Total Knee Arthroplasty Using Mixed Reality, A Novel Technology

*Kevin Y. Zhu, MD, University of California, San Diego*

7:34 am – 7:38 am

167 - Delaying DOACs Reduces Bleeding Without Increasing VTE Risk Following TKA

*McKenzie Culler, BA, Keck School of Medicine of USC*

7:38 am – 7:42 am

623 - Post-TKA ROM Correlates with Gait Kinematic Data from Internal Stem

*Damien Cannon, MD, Loma Linda University*

7:42 am – 7:45 am

Discussion

### **Rapid Fire Session 1C – Foot and Ankle**

Moderator: TBD

7:15 am – 7:19 am

44 - Diagnosis and Management of Deltoid Ligament Injuries in Chronic Ankle Instability

*Amanda Anderson, MD, University of California Irvine*

7:19 am – 7:23 am

269 - NSAID Use Increases Odds of Nonunion After Subtalar Arthrodesis

*Jens Verhey, MD, Mayo Clinic Arizona*

7:23 am – 7:27 am

290 - Critical Bone Defect & Deformity Correction with a 3D Printed Cage

*Jacob Priester, MD, UC Davis Medical Center*

7:27 am – 7:30 am

Discussion

7:30 am – 7:34 am

716 - Impact of Opioid/Glucocorticoid Use on Hallux Valgus Surgical Complications  
*Kerollos Ibrahim, Rothman Orthopedic Institute, Orlando*

7:34 am – 7:38 am

646 - The Metatarsophalangeal Joint - Metatarsal Ratio (MTPJ-MTR): An Anatomic Parameter for Obtaining an Extracapsular Metatarsal Osteotomy in 4th Generation Minimally Invasive Hallux Valgus Correction  
*Apurvakumar Patel, MD, UTMB John Sealy School of Medicine*

7:38 am – 7:42 am

513 - Rheumatoid Arthritis Associated with Increased Risk in Total Ankle Arthroplasty  
*Sayi Boddu, BA, Mayo Clinic Arizona*

7:42 am – 7:45 am

Discussion

### **Rapid Fire Session 1D – Upper Extremity Fractures**

Moderator: TBD

7:15 am – 7:19 am

514 - SIGN Standard and Fin Nails Provide Comparable Outcomes for Humeral Shaft Fractures in LMICs  
*Syed Ali, BS, University of California, San Francisco*

7:19 am – 7:23 am

199 - Do We Need Such Large Implants on the Diaphyseal Ulna?  
*Jody M. Law, MD, Stanford University*

7:23 am – 7:27 am

289 - Functional Bracing of Humerus Fractures: Do Post-Brace Radiographs Predict Outcomes?  
*Jacquelyn P. Cruz, MD, Stanford University*

7:27 am – 7:30 am

Discussion

7:30 am – 7:34 am

442 - Assessing Olecranon Fracture Fixation  
*Nathan Hoekzema, MD, University of California, San Francisco*

7:34 am – 7:38 am

444 - Quantifying Extensor Tendon and Joint Involvement in Phalangeal IM Fixation  
*Julie Mekhail, BS, MS, Brigham and Women's Hospital*

7:38 am – 7:42 am                      578 - Implant-Specific Outcomes in Isolated Greater Tuberosity Fracture Fixation  
*Evan Paschal Arnold, MD, Harbor-UCLA Medical Center*

7:42 am – 7:45 am                      Discussion

**Rapid Fire Session 1E – Basic Science**

Moderator:     TBD

7:15 am – 7:19 am                      360 - Comparing the Efficacy of Commonly Used Surgical Irrigants  
*Christopher D. Hamad, MD, University of California Los Angeles*

7:19 am – 7:23 am                      281 - Combination Gene Therapy with BMP-2 and Shh Enhances Bone Healing  
*Jacob Ball, MD, University of Southern California*

7:23 am – 7:27 am                      55 - Prednisolone Affects Stem Cell Viability and Function in 3D Culture  
*Alexa Pius, MD, Stanford University*

7:27 am – 7:30 am                      Discussion

7:30 am – 7:34 am                      26 - Dental Composite Offers Comparable or Greater Pullout and Shear Strength to Lateral Mass Screw Fixation in a Human Cadaveric Model  
*Harsh Wadhwa, BS, Stanford University*

7:34 am – 7:38 am                      229 - Three-Dimensional Printed PLA Cancellous Bone Models for Biomechanical Testing  
*Omar Manzur, MD, University of Texas Southwestern Medical Center*

7:38 am – 7:42 am                      77 - Sex-Based Differences in Hip Synovium Gene Expression in Femoroacetabular Impingement  
*Stephanie E. Wong, MD, University of California, San Francisco*

7:42 am – 7:45 am                      Discussion

7:50 am – 7:55 am                      **Welcome, Announcements and Overview**  
*Basil R. Besh, MD, FORM Hand, Wrist & Elbow Institute*  
*Kathryn L. Schabel, MD, Oregon Health & Science University*

*Jennifer M. van Warmerdam, MD, UCSF Health St. Mary's Hospital*

7:55 am – 8:25 am

**Focused Breakfast Presentation**

*\*CME Credit not available*

**8:25 am – 8:45 am**

***Break – Please visit exhibits***

8:50 am – 8:55 am

**Welcome, Announcements and Overview**

*Basil R. Besh, MD, FORM Hand, Wrist & Elbow Institute*

*Kathryn L. Schabel, MD, Oregon Health & Science*

*University*

*Jennifer M. van Warmerdam, MD, UCSF Health St. Mary's Hospital*

**Symposium 1 – Orthopedic Organizations: Then, Now, Forever?**

**Moderator:** Basil R. Besh, MD, *FORM Hand, Wrist & Elbow Institute*

*\*CME Credit Not Available*

8:55 am – 9:07 am

History of the WOA

*Theodore L. Stringer, MD, Colorado Springs Orthopaedic Group*

9:07 am – 9:19 am

History of the OREF

*Richard F. Santore, MD, University of California, San Diego*

9:19 am – 9:31 am

History of the AAOS

*Ramon L. Jimenez, MD, Salinas, CA*

9:31 am – 9:43 am

History of the BOC

*Edward A. Toriello, MD, Jamaica, NY*

9:43 am – 9:55 am

Discussion

**General Session 1 – Presidential Guest Speaker**

**Moderator:** Basil R. Besh, MD, *FORM Hand, Wrist & Elbow Institute*

9:55 am – 10:35 am

Leadership and Diversity

*Mary I. O'Connor, MD, Vori Health*

**10:35 am – 10:55 am**

***Break – Please visit exhibits***

**Concurrent Session 1A – Resident Symposia**

**Moderator:** David H. Chafey III, MD, *University of New Mexico*

*\*CME Credit not available*

11:00 am – 12:00 pm      **Panel:** *David H. Chafey III, MD, University of New Mexico*  
*Rosalyn Ngyen, JD, MBA, Presbyterian Healthcare Services*  
*Milton “Chip” L. Routt, MD, McGovern Medical School at UT Health*

**Concurrent Session 1B – Sports Knee**

**Moderator:** Ronald A. Navarro, MD, *Kaiser Permanente*

11:00 am – 11:12 am      The Best Current X-Ray Knee DJD Classification  
*Omer A. Ilahi, MD, SouthWest Orthopedic Group*

11:12 am – 11:24 am      OCA (Osteochondral Allograft) in Knee Joint Restoration:  
How to Maximize Results in 2025  
*Thomas M. DeBerardino, MD, UT Health San Antonio*

11:24 am – 11:36 am      Multi-Ligament Knee Reconstruction: The Role of  
Concomitant Osteotomy  
*George F. Rick Hatch III, MD, Keck School of Medicine of USC*

11:36 am – 11:48 am      Meniscal Root Repair and Newer Thinking  
*Nima Mehran, MD, M/M Orthopaedics*

11:48 am – 12:00 pm      Discussion

**Concurrent Session 1C – Foot & Ankle**

**Moderator:** Bopha Chrea, MD, *University of Iowa*

11:00 am – 11:15 am      This Post-Op XR Doesn’t Look Right: What Do I Do?  
*James E. Meeker, MD, Oregon Health & Science University*

11:15 am – 11:30 am      Calcaneus Fractures: What the Last 15 Years Has Taught  
Us  
*Amanda M. Holleran, MD, University of Rochester Medical Center*

11:30 am – 11:45 am      Why Does Foot Structure Matter? Its Impact in Ankle and  
5<sup>th</sup> Metatarsal Fractures  
*Bopha Chrea, MD, University of Iowa*

11:45 am – 12:00 pm      Discussion

12:05 pm – 12:35 pm

**Focused Lunch Presentation**

*\*CME Credit not available*

**General Session 2 – Board Reports**

**Moderator:** Basil R. Besh, MD, *FORM Hand, Wrist & Elbow Institute*

*\*CME Credit not available*

12:35 pm – 12:40 pm

OREF Report

*Lee Grossman, OREF*

12:40 pm – 12:55 pm

AAOS Report

*Annuziato Ned Amendola, MD, Duke University*

12:55 pm – 1:05 pm

WOF Report

*Robert F. McLain, MD, Enumclaw, WA*

**Symposium 2 – Surgeon Preservation**

**Moderator:** Jennifer M. Weiss, MD, *Shriners Children's Southern California*

1:05 pm – 1:15 pm

Corporatized Medicine and Moral Injury

*Jennifer M. Weiss, MD, Shriners Children's Southern California*

1:15 pm – 1:25 pm

Physician, Heal Thyself: Recovery from Second Victim Syndrome

*Selina Poon, MD, MPH, Shriners Children's*

1:25 pm – 1:35 pm

Surgeon Preservation

*David Skaggs, MD, Cedars-Sinai Medical Center*

1:35 pm – 1:45 pm

Burnout

*Ramon L. Jimenez, MD, Salinas, CA*

1:45 pm – 1:55 pm

Physician Wellbeing: What Can the Hospital do to Help Our Medical Staff?

*Melissa Christino, MD, Boston Children's Hospital*

1:55 pm – 2:05 pm

Discussion

**2:05 pm – 2:25 pm**

***Break – Please visit exhibits***

**General Session 3 – Junior Investigator & Research Award Winners**

**Moderators:** Kathryn L. Schabel, MD, *Oregon Health & Science University*

Jennifer M. van Warmerdam, MD, *UCSF Health St. Mary's Hospital*

2:25 pm – 2:31 pm	166 - Delaying DOACs Reduces Bleeding Without Increasing VTE Risk Following THA <i>Matthew A. Lim, BS, Keck School of Medicine of USC</i>
2:31 pm – 2:37 pm	254 - Anterior Cruciate Ligament Autograft Outcomes: A Cohort Study of 27,715 Patients <i>Colin Mansfield, MD, Kaiser Permanente, TPMG: Drexel University College of Medicine</i>
2:37 pm – 2:43 pm	497 - Trends and Risk Factors in Revision Total Hip Arthroplasty <i>Ashish Mittal, MD, Mountain View Center</i>
2:43 pm – 2:49 pm	Discussion
2:49 pm – 2:59 pm	<b>First Place Research Award</b> Tibia Fracture and Blast Injury to Porcine Limb Generates Extremity Compartment Syndrome <i>Justin Haller, MD, University of Utah</i>
2:59 pm – 3:09 pm	<b>Second Place Research Award</b> Radiographic Outcomes of Müller-Weiss Patients after Central Column Restoration with Structural Allograft <i>Daniel K. Moon, MD, MS, MBA, University of Colorado</i>
3:09 pm – 3:19 pm	<b>Third Place Research Award</b> Poor Clinical Outcomes Following Total Knee Arthroplasty-Associated Revision Extensor Mechanism Allograft Reconstruction <i>Edward J. McPherson, MD, University of California, Los Angeles</i>
3:19 pm – 3:25 pm	Discussion
<b>Rapid Fire Session 2A – Sports Medicine</b> Moderator: TBD	
3:30 pm – 3:34 pm	215 - An Analysis of Patellofemoral Deformity Correction: 2D vs. 3D Modeling <i>Andrew Dobitsch, MD, University of Southern California</i>
3:34 pm – 3:38 pm	492 - Tibiofemoral Bone Shape Differs in Medial and Lateral Meniscus Tears <i>Justin Lau, BS, University of California, San Francisco</i>



3:38 pm – 3:42 pm	592 - Osteochondral Allograft Transplantation in Professional Athletes: A Multicenter Study <i>Jayson Lian, MD, Montefiore Medical Center</i>
3:42 pm – 3:46 pm	446 - Analysis of Thermal and Mechanical Damage During Osteochondral Allograft Harvesting: Manual Impaction vs Powered Trephine Drill <i>Paul Walker Jr., MD, University of California, Los Angeles</i>
3:46 pm – 3:50 pm	658 - Patellar Height Following Bone Patellar Tendon Bone or Hamstring Autograft Anterior Cruciate Ligament Reconstruction Does Not Substantially Change between 6 weeks and 2 years Postoperatively <i>Grant Schroeder, MD, Stanford Health Care</i>
3:50 pm – 3:54 pm	577 - Postoperative Force Plate Output Between Anterior Cruciate Ligament Reconstruction Grafts <i>Jayson Lian, MD, Montefiore Medical Center</i>
3:54 pm – 4:00 pm	Discussion
4:00 pm – 4:04 pm	5 - Multicenter Arthroscopic Outcomes of Atraumatic Hip Microinstability from *** Study Group <i>Dean K. Matsuda, MD, Premier Hip Arthroscopy</i>
4:04 pm – 4:08 pm	719 - Shorter Relative Patellar Defect Length after Bone Patellar Tendon Bone Anterior Cruciate Ligament Reconstruction is Associated with Better Postoperative Patient Reported Outcomes at 1-Year Follow-Up <i>Grant Schroeder, MD, Stanford Health Care Sports Medicine</i>
4:08 pm – 4:12 pm	181 - Biomechanical Comparison of Full-Thickness vs. Partial-Thickness Quadriceps Tendon Grafts for ACL Reconstruction <i>Jalen Dansby, MD, Cedars-Sinai Medical Center</i>
4:12 pm – 4:16 pm	105 - Outcomes of ACL Reconstruction with Hamstring Autograft Utilizing Independent Tunnel Drilling <i>Alan L. Zhang, MD, University of California, San Francisco</i>
4:16 pm – 4:20 pm	320 - Age-Dependent Risk of Total Knee Arthroplasty following ACL Reconstruction <i>Kyle Cantave, BA, University of California, Davis</i>

4:20 pm – 4:24 pm 474 - Safety and Efficacy of Low-Dose Radiation Therapy for Knee Osteoarthritis: A Systematic Review  
*David A. Barron, University of California, Irvine*

4:24 pm – 4:30 pm Discussion

**Rapid Fire Session 2B – Shoulder and Elbow**

Moderator: TBD

3:30 pm – 3:34 pm 71 - Tranexamic Acid Use in Total Shoulder Arthroplasty Continues to Increase and is Safe in High-Risk Patients  
*Cory K. H. Mayfield, MD, University of Southern California*

3:34 pm – 3:38 pm 338 - Resection Arthroplasty as a Definitive Treatment for Failed Shoulder Arthroplasty  
*Tate Cowley, MD, Loma Linda University*

3:38 pm – 3:42 pm 621 - Total Shoulder Arthroplasty Following Common Shoulder Stabilization and Reconstructive Procedures  
*Verdinand C. B. Ruelos, MD, University of Texas Medical Branch*

3:42 pm – 3:46 pm 619 - Surgeon Experience and Shoulder Arthroplasty Costs: A Retrospective Analysis  
*Andrew M. Schmidt, BS, ME, Kaiser Permanente School of Medicine*

3:46 pm – 3:50 pm 413 - Optimizing Glenoid Component Placement with Computer Navigation in Reverse Total Shoulder Arthroplasty  
*Salim Parbtani, DO, St Joseph's Medical Center*

3:50 pm – 3:54 pm 660 - Anesthesia Techniques and Postoperative Complication Risks in Shoulder Arthroplasty  
*Lina Elias, MMS, University of Arizona College of Medicine Phoenix*

3:54 pm – 4:00 pm Discussion

4:00 pm – 4:04 pm 349 - Elevated Glucose Predicts Infectious and Medical Complications After Total Shoulder Arthroplasty  
*Benjamin Lurie, MD, University of Southern California*

4:04 pm – 4:08 pm	340 - The Use of Machine Learning Models to Minimize Early Postoperative Transfusions Following Total Shoulder Arthroplasty <i>Steven H. Liu, MD, Keck Medicine of University of Southern California</i>
4:08 pm – 4:12 pm	377 - Hospital Stay Duration Following Reverse Shoulder Arthroplasty for Fracture <i>Trevor S. Lloyd, BS, University of California, Los Angeles</i>
4:12 pm – 4:16 pm	<b>Robert R. Slater Jr., MD Travel Grant Award</b> 536 - Treating Shoulder PJI with Humeral Bone Loss Using Long Spacer <i>Cameron R. Guy, MD, University of Utah</i>
4:16 pm – 4:20 pm	694 - Older Patients Demonstrate Higher Compliance with Upper Extremity Remote Therapy <i>Kanwar Parhar, BS, Elson S Floyd College of Medicine</i>
4:20 pm – 4:24 pm	670 - Tranexamic Acid Improves Range of Motion after Total Shoulder Arthroplasty <i>David Jung, BA, University of Chicago Pritzker School of Medicine</i>
4:24 pm – 4:30 pm	Discussion
<b>Rapid Fire Session 2C – Spine</b> Moderator: TBD	
3:30 pm – 3:34 pm	517 - Muscle Gene Expression and Cellular Morphology in Individuals with Adult Spinal Deformity Who Develop Proximal Junctional Failure <i>Pearce B. Haldeman, BS, University of California San Diego School of Medicine</i>
3:34 pm – 3:38 pm	125 - Functional Outcomes After Lumbar Microdiscectomy in the US Navy <i>Harrison Diaz, MD, Naval Medical Center San Diego</i>
3:38 pm – 3:42 pm	300 - Prone Transpoas vs. Extreme Lateral Interbody Fusion: Comparison of Perioperative Outcomes <i>Ryan Le, MD, UC Irvine</i>
3:42 pm – 3:46 pm	386 - Navigation is Associated with Lower Revision Instrumentation Rates in Pediatric Scoliosis <i>Andy M. Liu, BS, Cedars Sinai Spine Center</i>

3:46 pm – 3:50 pm	725 - Femoral Neck Fractures in Patients with Osteogenesis Imperfecta: High Rates of Complications and Need for Revision Surgery <i>Cynthia Nguyen, MD, Shriners Hospital for Children</i>
3:50 pm – 3:54 pm	121 - Novel Fragility Score to Predict Inpatient Stay following Biportal Lumbar Endoscopic Decompression <i>Thomas E. Olson, MD, University of California, Los Angeles</i>
3:54 pm – 4:00 pm	Discussion
4:00 pm – 4:04 pm	82 - A Triple Protocol has Virtually Eliminated Infection following Spinal Surgeries <i>Kirkham B. Wood, MD, Stanford University School of Medicine</i>
4:04 pm – 4:08 pm	101 - Staged vs. Same Day Circumferential Lumbar Fusion: Which is Safer? <i>Henry Avetisian, MS, USC Keck School of Medicine</i>
4:08 pm – 4:12 pm	376 - Spinopelvic Compensation in Sitting and Standing Postures after Lumbar Fusion <i>William J. Karakash, BS, Keck School of Medicine of USC</i>
4:12 pm – 4:16 pm	570 - Ehlers-Danlos Syndrome Lumbar Fusion: Lower Nonunion, Higher Dysphagia & CSF Leak <i>Logan D. Karlen, BS, University of California, Riverside School of Medicine</i>
4:16 pm – 4:20 pm	120 - Non-Tobacco Nicotine Dependence is Associated with Increased Risk of Complications after Lumbar Decompression and Fusion <i>Michael S. Kim, MD, University of California, Irvine, School of Medicine</i>
4:20 pm – 4:24 pm	180 - Comparing Clinical Outcomes Between Open vs. Percutaneous Approach for Spinopelvic Dissociation <i>Rahul Bhale, MD, University of California, Davis</i>
4:24 pm – 4:30 pm	Discussion

## **Rapid Fire Session 2D – Total Joint**

Moderator: TBD

3:30 pm – 3:34 pm	86 - eHealth Literacy Among Elderly Arthroplasty Patients: Implications for Patient-Reported Outcomes <i>Chiara A. Giordani, BS, MSc, University of California Davis School of Medicine</i>
3:34 pm – 3:38 pm	715 - Osteoarthritis and Total Joint Arthroplasty in Housing Insecure Patients <i>Kelechi Nwachuku, MD, University of California, San Francisco</i>
3:38 pm – 3:42 pm	651 - Metal Hypersensitivity Influences Implant Survivorship in Hip and Knee Arthroplasty <i>Dhruv S. Shankar, MD, University of Washington School of Medicine</i>
3:42 pm – 3:46 pm	629 - Higher Resilience Improves PROMIS Scores Across Types of Joint Arthroplasty <i>Nathaniel E. Zona, BA, University of Colorado</i>
3:46 pm – 3:50 pm	511 - Temporal Analysis of Risk in Patients with Prior Myocardial Infarction Undergoing Total Knee Arthroplasty <i>Sayi Boddu, BA, Mayo Clinic Arizona</i>
3:50 pm – 3:54 pm	315 - Preoperative and Postoperative HbA1C Trends in Arthroplasty Patients with Diabetes <i>Matthew De Ruyter, University of California Davis Health</i>
3:54 pm – 4:00 pm	Discussion
4:00 pm – 4:04 pm	285 - Hispanic Patients Undergoing TJA: Impact of Primary Language Spoken on Outcomes <i>Ramesh B. Ghanta, MD, University of California San Francisco</i>
4:04 pm – 4:08 pm	220 - Is Perioperative Dexamethasone More Than Just an Antiemetic <i>Ian A. Jones, MD, University of Washington</i>
4:08 pm – 4:12 pm	137 - Achieving Balance with Restricted Inverse Kinematic Alignment in Robotic-Assisted TKA <i>Regina Chi, BS, Cedars-Sinai Medical Center</i>
4:12 pm – 4:16 pm	138 - Valgus Knees Require Releases and Exhibit Instability Despite Robotic-Assisted TKA <i>Regina Chi, BS, Cedars-Sinai Medical Center</i>

4:16 pm – 4:20 pm 374 - Delayed Closure of Closed or Type 1 Open Forearm Fractures  
*Milton T. M. Little, MD, Cedars Sinai Medical Center*

4:20 pm – 4:24 pm 259 - Complication and Reoperation Rates of Post-DFO TKA vs. Primary TKA: Matched Cohorts from a Nationwide Database  
*Ioanna Bolia-Kavouklis, MD, MS, Keck School of Medicine of University of Southern California Sports*

4:24 pm – 4:30 pm Discussion

**Rapid Fire Session 2E – Other**  
Moderator: TBD

3:30 pm – 3:34 pm 79 - Validity of a New Two-Question Universal Pain and Function Score  
*Andrew Haskell, MD, Palo Alto Foundation Medical Group and Sutter Health*

3:34 pm – 3:38 pm 8 - Trends in Female Representation in Orthopaedic Surgery Residency  
*Rachel A. Loyst, BS, Stony Brook University*

3:38 pm – 3:42 pm 227 - Implementing Three-Dimensional Printed Acetabular Fractures to Improve Resident Education  
*Omar Manzur, MD, University of Texas Southwestern Medical Center*

3:42 pm – 3:46 pm **Nitin N. Bhatia, MD Travel Grant Award**  
154 - Evaluating the Long-Term Sustainability of an Electronic Health Record System For Short-Term Global Surgical Outreach  
*Lauren M. Shapiro, MD, MS, University of California, San Francisco*

3:46 pm – 3:50 pm 686 - Protective Factors for Hijab Wearing Medical Students Entering Surgical Subspecialties  
*Dayana Shariff, BA, University of California, San Francisco*

3:50 pm – 3:54 pm 687 - Disparities in Surgical Hip Fracture Repair in Southern California  
*Adriana Solis, BS, UC San Diego School of Medicine*

3:54 pm – 4:00 pm Discussion

4:00 pm – 4:04 pm	668 - Trends in Orthopaedic Surgeon Suicide: Are We Doing Better? <i>Christopher J. Fang, MD, Kirk Kerkorian School of Medicine at UNLV</i>
4:04 pm – 4:08 pm	669 - Gunshot-related Fractures in Orthopedic Pediatric Patients with Mental Health Recommendations <i>Anjali Malhotra, MPH, SUNY Upstate Medical University</i>
4:08 pm – 4:12 pm	102 - Instagram Outperforms Twitter for Diversity in Orthopaedics Organization Engagement <i>Stephanie E. Wong, MD, University of California, San Francisco</i>
4:12 pm – 4:16 pm	80 - Reliability of a New Two-Question Universal Pain and Function Score <i>Garet C. Comer, MD, Palo Alto Foundation Medical Group and Sutter Health</i>
4:16 pm – 4:20 pm	534 - Orthopedic Surgeon Shortage in Rural Areas and Impact on Care <i>Kinsley Wang, MS, Mayo Clinic Hospital</i>
4:20 pm – 4:24 pm	547 - Using Routinely Collected Wearable Device Data to Predict Peak Performance Metrics <i>Alex Young, BA, University of California, San Francisco</i>
4:24 pm – 4:30 pm	Discussion
4:30 pm – 6:00 pm	<b>Exhibitor Reception</b>
6:00 pm – 9:00 pm	<b>Welcome Dinner</b>

### **Friday, August 1<sup>st</sup>**

6:00 am – 7:00 am	<b>Scientific Poster / E-Poster Session</b> (Presenters are available to answer questions)
<b>Rapid Fire Session 3A – Trauma</b>	
Moderator: TBD	
7:00 am – 7:04 am	361 - Proton Pump Inhibitors are Associated with Increased Nonunion Risk after Operative Treatment of Fractures <i>Melissa Romoff, University of California, Irvine</i>

7:04 am – 7:08 am	569 - Incidence and Management of Periprosthetic Fractures in Transfemoral Osseointegrated Implants <i>Maithily Diaz, University of California, San Francisco</i>
7:08 am – 7:12 am	201 - Iatrogenic Radial Nerve Palsy in Diaphyseal Humerus Fractures by Location <i>Jacquelyn P. Cruz, MD, Stanford University</i>
7:12 am – 7:16 am	626 - Increased Complications in Geriatric Ankle Fractures Treated with Fusion vs. ORIF <i>Isabella Bianco-Sobejano, BS, Rothman Orthopedics Institute</i>
7:16 am – 7:20 am	Discussion
7:20 am – 7:24 am	542 - LVN-led Transitional Care Coordinator Program for Hip Fractures Reduces Mortality <i>Peter A. Giammanco, BS, California University of Science and Medicine</i>
7:24 am – 7:28 am	368 - Do CTA Findings Correlate with Postoperative Complications for Tibial Fractures? <i>Grace Hernandez, MD, University of California, Davis</i>
7:28 am – 7:32 am	528 - Outcomes of Operative vs. Nonoperative Treatment of Geriatric LC1 Pelvic Ring Injuries <i>Carol Lee, MD, Cedars-Sinai Medical Center</i>
7:32 am – 7:36 am	184 - Post-Traumatic Osteoarthritis in Non-Geriatric Distal Femur Fractures <i>Makoa Mau, University of Utah</i>
7:36 am – 7:40 am	726 - Surgical Fixation of Subtrochanteric and Intertrochanteric Femur Fractures and Osteotomies in Patients with Osteogenesis Imperfecta: Low Rate of Nonunion, But Many Patients Require Eventual Revision <i>Cynthia Nguyen, MD, Shriners Hospital for Children</i>
7:40 am – 7:45 am	Discussion
<b>Rapid Fire Session 3B – Total Hip</b>	
Moderator: TBD	
7:00 am – 7:04 am	586 - Racial Disparities in Surgical Treatment Choice For Displaced Femoral Neck Fractures



*Monica E. Guirgus, MBS, BA, California University of Science and Medicine*

7:04 am – 7:08 am

**WOA/WOF Resident Travel Grant Award**

673 - Does Femoral Head Size Matter? A Comparison of 32, 36, and 40mm Heads in Primary Total Hip Arthroplasty: An American Joint Replacement Registry Analysis

*Joshua M. Bender, MD, University of Washington*

7:08 am – 7:12 am

352 - Recovery Roadmap for Total Hip Arthroplasty Based on PROMIS Scores

*Ryan Healy, MD, MS, Cedars-Sinai Medical Center*

7:12 am – 7:16 am

329 - Preoperative Hemoglobin Predicts PJI Risk following Total Hip Arthroplasty

*Ryan C. Palmer, BS, University of Southern California Keck School of Medicine*

7:16 am – 7:20 am

Discussion

7:20 am – 7:24 am

165 - Technology Assistance Mitigates Volume-Dependent Risk of Dislocation Following THA

*Avinash Iyer, BS, Keck School of Medicine at USC*

7:24 am – 7:28 am

128 - Complication Risk following THA in Patients Receiving Testosterone Replacement Therapy

*Caleb Durst, BS, Cedars Sinai Medical Center*

7:28 am – 7:32 am

323 - Postoperative Kinematics Between Anterior and Posterior THA Using a 3D Marker-less Motion Capture System

*Brandon E. Lung, MD, Cedars-Sinai Medical Center*

7:32 am – 7:36 am

708 - Femoral Fixation for Primary Total Hip Arthroplasty: An International Registry Perspective

*Tony Gaidici, BS, University of Arizona College of Medicine, Phoenix*

7:36 am – 7:40 am

575 - International Trends in Surgical Approaches to Total Hip Arthroplasty (THA) 2014-2024

*Colin Van Wagoner, BS Mayo Clinic Arizona*

7:40 am – 7:45 am

Discussion

**Rapid Fire Session 3C – Sports Medicine**

Moderator: TBD

- 7:00 am – 7:04 am      3 - Multicenter Arthroscopic Outcomes of Patients with Acetabular Cysts from \*\*\*\* Study Group  
*Dean K. Matsuda, MD, Premier Hip Arthroscopy*
- 7:04 am – 7:08 am      503 - Borderline Hip Dysplasia: 5-Year Outcomes of Hip Arthroscopy with Capsular Plication and BioInductive Collagen Patch Augmentation  
*Bryson Kemler, MD, Thomas Jefferson University Hospital/The Rothman Orthopaedic Institute*
- 7:08 am – 7:12 am      462 - Geographic Characterization of Intra-Articular Pathologies in Early-Stage Avascular Necrosis of the Hip  
*Kory Pasko, BS, University of California, Irvine*
- 7:12 am – 7:16 am      206 - Systematic Review of Optimum Graft Tension During ACL Reconstruction  
*Connor Sholtis, MD, Stanford University*
- 7:16 am – 7:20 am      Discussion
- 7:20 am – 7:24 am      104 - General Anesthesia Utilizing LMA Ventilation with Neuromuscular Blockade for Hip Arthroscopy J  
*Justin Jabara, MD, University of California, San Francisco*
- 7:24 am – 7:28 am      232 - Ultrasound-Guided Injections with NSAIDs have Similar Efficacy to Corticosteroids for Hip Pathology  
*Kevin Chen, MD, University of California, San Francisco*
- 7:28 am – 7:32 am      433 - Hip Dysplasia Patients Demonstrate Higher Incidence of Trochlear Dysplasia on CT Imaging Than Femoroacetabular Impingement Patients  
*Stephanie Pun, MD, Stanford University*
- 7:32 am – 7:36 am      384 - Beyond the Scalpel: What Drives Patient Satisfaction in Orthopaedic Sports Medicine  
*Jonathan Lee, BA, Stanford University School of Medicine*
- 7:36 am – 7:40 am      689 - Hip Arthroscopy for FAIS with Periportal Capsulotomy Yields Shorter Procedure Times and Recovery Room Length of Stay Compared to Interportal Capsulotomy  
*Lejla Pepic, University of California, San Francisco*
- 7:40 am – 7:45 am      Discussion

### **Rapid Fire Session 3D – Hand and Wrist**

Moderator: TBD

7:00 am – 7:04 am	12 - Does Retrograde Intramedullary Nailing Weaken Extensor Tendon Biomechanical Properties? <i>Christopher Chung, MD, Stanford University</i>
7:04 am – 7:08 am	238 - Intramedullary Screw Fixation for Short and Long Oblique Metacarpal Fractures: A Biomechanical Analysis <i>Dang-Huy Do, MD, University of Texas Southwestern Medical Center</i>
7:08 am – 7:12 am	620 - Comparison of Outcomes with Surgical Treatment of Pyogenic Flexor Tenosynovitis: Hand Surgeons vs. Orthopedic Subspecialties <i>Naomi Kelley, MD, University of New Mexico</i>
7:12 am – 7:16 am	373 - Complications After Minor Hand Surgery in Solid Organ Transplant Patients <i>Daniel T. Kim, BA, University of California, Los Angeles</i>
7:16 am – 7:20 am	Discussion
7:20 am – 7:24 am	161 - Quantifying Articular Surface Involvement during Intramedullary Fixation of the Phalanges <i>Julie Mekhail, BS, MS, Brigham and Women's Hospital</i>
7:24 am – 7:28 am	681 - The Impact of Emerging Therapies and Declining Physician Reimbursement on Dupuytren Disease Treatment: A 21 Year Review <i>Evan H. Richman, MD, University of Colorado</i>
7:28 am – 7:32 am	147 - Digital Doses: Virtual Reality for Perioperative Pain and Anxiety in Patients undergoing Hand Surgery <i>Angel Xiao, MD, University of California, San Francisco</i>
7:32 am – 7:36 am	543 - Differences in Trapezia of Stable and Fast Progressing Trapeziometacarpal Osteoarthritis <i>Huy Gia Dinh, BS, Stanford University School of Medicine</i>
7:36 am – 7:40 am	555 - Hand in Hand? Evaluating the Accuracy of AI in Treatment Recommendations <i>Sarah Pirkle, MD, University of Washington</i>
7:40 am – 7:45 am	Discussion

### **Rapid Fire Session 3E – Pediatrics**

Moderator: TBD

7:00 am – 7:04 am	346 - Decreasing Opioid Consumption in Pediatric Orthopaedic Surgery <i>Hector L. Sanchez Perez, MS, Perez University of California, Davis School of Medicine</i>
7:04 am – 7:08 am	130 - Complications Requiring Reoperation following Pediatric Tibial Spine Fracture Fixation <i>Benjamin R Caruso, BS, Elson S. Floyd College of Medicine, Washington State University</i>
7:08 am – 7:12 am	684 - Ankle Diffusion-Tensor Imaging as a Pediatric Growth Marker: Preliminary Experience <i>Lejla Pepic, University of California, San Francisco</i>
7:12 am – 7:16 am	<b>Jennette Boakes, MD Travel Grant Award</b> 342 - Functional Bracing vs. Spica for Pediatric Femur Fractures: Cost Reduction <i>Nicholas Stamatatos, MD, UC Davis Health; Department of Orthopaedic Surgery</i>
7:16 am – 7:20 am	Discussion
7:20 am – 7:24 am	526 - Avascular Necrosis following Hip Reconstruction in Cerebral Palsy: A Concern? <i>Sam Wimmer, BS, Children's Hospital Los Angeles</i>
7:24 am – 7:28 am	460 - Analyzing Avascular Necrosis Rates following Operative Techniques for DDH <i>Jeremiah M. Langsfeld, University of New Mexico</i>
7:28 am – 7:32 am	13 - Preoperative Closed Reduction of Pediatric Type Three Supracondylar Humerus Fractures <i>Colin J. Carroll, MD, University of New Mexico</i>
7:32 am – 7:36 am	717 - Screw Fixation vs. Nailing and Plating for Pediatric Tibia Fractures <i>Rajvarun S. Grewal, BS, California Health Sciences University</i>
7:36 am – 7:40 am	703 - Adolescent Tibial Shaft Fractures with Concomitant Distal Articular Fractures

*Jeffrey Lucas Hii, MD, University of Nevada - Las Vegas  
Department of Orthopaedic Surgery*

7:40 am – 7:45 am

Discussion

7:55 am – 8:00 am

**Morning Announcements and Overview**

*Kathryn L. Schabel, MD, Oregon Health & Science  
University*

*Jennifer M. van Warmerdam, MD, UCSF Health St. Mary's  
Hospital*

8:00 am – 8:20 am

**Focused Breakfast Presentation**

*\*CME Credit not available*

**8:30 am – 8:50 am**

***Break – Please visit exhibits***

**Concurrent Session 2A – Disasterplasty**

**Moderator:** Elizabeth G. Lieberman, MD, *Orthopedic & Fracture Specialists*

8:50 am – 9:02 am

Tumorplasty: Tips for Mega-Recon

*Alexandra K. Callan, MD, UT Southwestern Medical  
Center*

9:02 am – 9:14 am

Traumaplasty: What's in My Toolbox to Fix Periprosthetic  
Fractures

*Molly A. Hartzler, MD, Atrium Health Wake Forest Baptist  
Health*

9:14 am – 9:26 am

Infectionplasty: Single vs. Staged, Static vs. Dynamic

*Alexis D. Gaskin, MD, Sutter Health*

9:26 am – 9:38 am

Revisionplasty: How to Remove Well-Fixed Implants

*Nathanael D. Heckmann, MD, Keck School of Medicine of  
USC*

9:38 am – 9:50 am

Discussion

**Concurrent Session 2B – Hand**

**Moderator:** Nicole Schroeder, MD, *University of California, San Francisco*

8:50 am – 9:02 am

Hand Trauma

*Lindsey Urband, MD, San Diego Hand Specialists*

9:02 am – 9:14 am

Management of Pediatric Hand and Wrist Fractures

*Gopal Lalchandani, MD, University of California, San  
Francisco*

9:14 am – 9:26 am                      PIP Fractures and Fracture Dislocations: Current Treatment Options  
*Nicole Schroeder, MD, University of California, San Francisco*

9:26 am – 9:38 am                      The Intramedullary Nail: Use for Fracture Fixation of the Hand  
*Lauren G. Santiesteban, MD, University of California, San Francisco*

9:38 am – 9:50 am                      Discussion

### **Concurrent Session 2C – Sports Pediatrics**

**Moderator:** Jennifer M. Weiss, MD, *Shriners Children's Southern California*

8:50 am – 9:02 am                      Crossover from Peds to Young Adults Sports  
*Jennifer J. Beck, MD, Center for Spine & Orthopedics*

9:02 am – 9:14 am                      Pediatric ACL Injury  
*Melissa Christino, MD, Boston Children's Hospital*

9:14 am – 9:26 am                      Patellar Instability  
*Jennifer M. Weiss, MD, Shriners Children's Southern California*

9:26 am – 9:50 am                      Case Presentations & Discussion

### **Symposium 3 – Technology**

**Moderator:** Antonia Chen, MD, MBA, *UT Southwestern Medical Center*

9:55 am – 10:05 am                      Point / Counterpoint: Why I Use Technology  
*Rina Jain, MD, Synergy Orthopedics*

10:05 am – 10:15 am                      Point / Counterpoint: Why I Don't Use Technology  
*Derek Ward, MD, Marin Health*

10:15 am – 10:25 am                      Technology for Healthcare Delivery  
*Meghan A. Whitmarsh Brown, MD, Albuquerque, NM*

10:25 am – 10:35 am                      Technology: So You Want to Try It  
*Jessica Hooper, MD, Stanford University*

10:35 am – 10:45 am                      Point / Counterpoint: Pro AI

*Raymond B. Raven III, MD, MBA, MHCI, Cedars-Sinai Medical Center*

10:45 am – 10:55 am      Point / Counterpoint: Con AI  
*Speaker TBD*

10:55 am – 11:05 am      Discussion

**11:05 am – 11:25 am**      ***Break – Please visit exhibits***

**Concurrent Session 3A – Medical Student Session: The Easiest and Hardest Thing – To Be an Excellent Sub-Intern**

**Moderator:** Alexandra K. Callan, MD, *UT Southwestern Medical Center*

*\*CME Credit not available*

11:25 am – 12:25 pm

**Concurrent Session 3B – Hot Topics from Trauma Call**

**Moderator:** Sarah Blumenthal, MD, *Keck School of Medicine of USC*

11:25 am – 11:37 am      Young Femoral Neck Fractures  
*Sarah Blumenthal, MD, Keck School of Medicine of USC*

11:37 am – 11:49 am      Open Fractures  
*Graham DeKeyser, MD, Oregon Health & Science University*

11:49 am – 12:01 pm      Compartment Syndrome  
*Zachary Working, MD, Oregon Health & Science University*

12:01 pm – 12:13 pm      ExFix Indication and Advanced Topics  
*Joseph T. Patterson, MD, Keck School of Medicine of USC*

12:13 pm – 12:25 pm      Discussion

12:25 pm – 12:55 pm      **Focused Lunch Presentation**  
*\*CME Credit not available*

**Rapid Fire Session 4A – Total Joint**

**Moderator:** TBD

1:00 pm – 1:04 pm      471 - Effect of Patient-Provider Gender Concordance on Total Joint Arthroplasty Outcomes  
*Tanya Watarastaporn, MS, BS, Bernard J. Tyson Kaiser School of Medicine*

1:04 pm – 1:08 pm	662 - Total Joint Arthroplasty Outcomes in Recipients of Charity-Care Financial Assistance <i>Owen S. Roth, BS, University of Washington School of Medicine</i>
1:08 pm – 1:12 pm	42 - Pre-Operative PVR Predicts Post-Operative Urinary Retention in Total Joint Arthroplasty <i>Ashley Wood, MMS, Orthopedic and Fracture Specialists</i>
1:12 pm – 1:16 pm	436 - Total Joint Arthroplasty Complications in Dialysis and Renal Transplant Patients <i>Troy Sekimura, BS, University of California, Los Angeles</i>
1:16 pm – 1:20 pm	Discussion
1:20 pm – 1:24 pm	208 - Medicare Associated with “Lemon Dropping” of High-Risk PJI Patients <i>Natalie M. Kistler, BS, Keck School of Medicine of USC</i>
1:24 pm – 1:28 pm	150 - Patient Factors Influence PROM Measurement, Not Outcomes in Arthroplasty <i>Caitlin A. Hendricks, BA, University of California, San Francisco</i>
1:28 pm – 1:32 pm	264 - Sex-Based Differences in Perspectives on Arthroplasty Utilization: A Multicenter Cohort <i>Mikayla Mefford, BS, MPH, University of California Los Angeles</i>
1:32 pm – 1:36 pm	140 - Economic Impact and Outcomes in Revision Total Knee Arthroplasty <i>Aidan T. Morrell, MD, Oregon Health &amp; Science University</i>
1:36 pm – 1:40 pm	636 - Social Vulnerability Impacts Postoperative Success following Total Knee Arthroplasty <i>Colby McClaugherty, Baylor College of Medicine</i>
1:40 pm – 1:45 pm	Discussion
<b>Rapid Fire Session 4B – Trauma</b> Moderator: TBD	
1:00 pm – 1:04 pm	<b>David H. Chafey, MD Travel Grant Award</b>



73 - Thrombelastography as a Predictive Tool for Thromboembolic Events After Extremity Trauma: A Prospective Secondary Analysis of PREVENT-CLOT  
*Cory K. H. Mayfield, MD, University of Southern California*

1:04 pm – 1:08 pm

48 - Lower Pelvic Ring Fixation Failure Rate with Porous Threaded Titanium Implants vs. Standard Screws  
*Andrew P. Collins, MD, University of Washington*

1:08 pm – 1:12 pm

185 - Weight Bearing Status and Geriatric Hip Fracture Mortality Considering Frailty  
*Makoa Mau, BS, University of Utah*

1:12 pm – 1:16 pm

372 - Propensity Matched Analysis of Early vs. Late Fixation of Geriatric Lateral Compression Pelvis Injuries  
*Kaleb Roach, Oregon Health & Sciences University*

1:16 pm – 1:20 pm

Discussion

1:20 pm – 1:24 pm

93 - A Review of Medullary Based Bone Transport  
*Carol Lee, MD, Cedars-Sinai Medical Center*

1:24 pm – 1:28 pm

665 - Intraoperative Bacterial Load on Surgical Gloves in Non-Infection Orthopaedic Trauma Cases  
*Arya Amirhekmatt, BA, University of California, Irvine*

1:28 pm – 1:32 pm

326 - Impact of Housing Insecurity on Outcomes of Lower Extremity Trauma  
*Samuel Baird, MD, Loma Linda University*

1:32 pm – 1:36 pm

427 - Iron Depletion Persists at 3 Months from Fracture Surgery  
*Caellagh Catley, MD, OHSU*

1:36 pm – 1:40 pm

429 - Validity of PROMIS with SFMA in Pelvis and Acetabular Fractures  
*Amy M. Cizik, PhD, MPH, University of Utah*

1:40 pm – 1:45 pm

Discussion

### **Rapid Fire Session 4C – Spine**

Moderator: TBD

1:00 pm – 1:04 pm

641 - Percutaneous Stabilization of AO B3 Fractures in Patients with Ankylosing Spinal Disorders (ASD) is

Associated with Lower Complication Rates Compared to Open Stabilization

*Eli W. Bunzel, MD, University of Washington*

1:04 pm – 1:08 pm

403 - Spinopelvic Alignment Changes Following Single-Level Lumbar Total Disc Replacement: A Radiographic Analysis

*Suhas K. Etigunta, BS, Cedars Sinai Medical Center*

1:08 pm – 1:12 pm

292 - Early Experience with Prone Single-Position Corpectomy: Feasibility, Radiographic Outcomes & Complications

*Ryan Le, MD, UC Irvine*

1:12 pm – 1:16 pm

363 - Proton Pump Inhibitors are Associated with Increased Pseudoarthrosis Risk after Posterior Lumbar Fusion

*Melissa Romoff, University of California, Irvine*

1:16 pm – 1:20 pm

Discussion

1:20 pm – 1:24 pm

187 - Utilization Trends of Cervical Hybrid Surgery: National Analysis of Patient Demographics

*Anahit Sargsyan, MS, BA, USC Keck School of Medicine*

1:24 pm – 1:28 pm

457 - Inter-Rater Reliability of Three Measurement Methods for Thoracolumbar Fracture Alignment

*Kirkham B. Wood, MD, Stanford University School of Medicine*

1:28 pm – 1:32 pm

392 - Magnetic Resonance Imaging Generated Synthetic Computed Tomography in Pediatric Spine Patients

*George Michael, BS, BA, Cedars Sinai Medical Center*

1:32 pm – 1:36 pm

256 - Automated Feature Extraction of Spinal Operative Reports using Natural Language Processing

*Grace X. Xiong, MD, Stanford University*

1:36 pm – 1:40 pm

391- Optimizing Robotic-Assisted Spine Surgery: The Effect of Standardized Institutional Guidelines

*Suhas K. Etigunta, BS, Cedars Sinai Medical Center*

1:40 pm – 1:45 pm

Discussion

#### **Rapid Fire Session 4D – Practice Management/Education**

Moderator: TBD

1:00 pm – 1:04 pm	219 - Inaccurate Citations are Prevalent in High-Impact Arthroplasty Literature <i>McKenzie Culler, BA, Keck School of Medicine of USC</i>
1:04 pm – 1:08 pm	200 - ChatGPT Fabricates and Miscites Evidence for AAOS Hip Fracture Guidelines <i>David McCavitt, BA, Keck School of Medicine of the University of Southern California</i>
1:08 pm – 1:12 pm	355 - Reducing Post-Operative Urinary Tract Infections in Orthopaedic Surgery <i>Hector L. Sanchez Perez, MS, University of California, Davis School of Medicine</i>
1:12 pm – 1:16 pm	678 - Endocrinology Referrals and Osteoporosis Care After Upper Extremity Fractures <i>Annika Hiredesai, Mayo Clinic Alix School of Medicine</i>
1:16 pm – 1:20 pm	Discussion
1:20 pm – 1:24 pm	210 - Orthopaedic Surgery Residents' Research Productivity: A Survey of Matched Fellows <i>Matthew Orringer, MD, USC Ortho Residency</i>
1:24 pm – 1:28 pm	60 - Increased Utilization of Assistive Reproductive Technologies Amongst Female Orthopedists <i>Sarah Powell, MD, UNMC</i>
1:28 pm – 1:32 pm	455 - Accuracy of Artificial Intelligence in Orthopedic Residency Board Exam Questions <i>Andres Ramos University of California-Davis</i>
1:32 pm – 1:36 pm	385 - Can ChatGPT Write Orthopaedic Surgery Personal Statements? <i>Henry Avetisian, MS, USC Keck School of Medicine</i>
1:36 pm – 1:40 pm	672 - Do Patients Sleep Better at Home or in the Hospital Following Primary Total Joint Arthroplasty? <i>Nicholas Hernandez, MD, University of Washington</i>
1:40 pm – 1:45 pm	Discussion

**Rapid Fire Session 4E – Tumors**  
Moderator: TBD

1:00 pm – 1:04 pm	255 - The Accuracy of AI for Common Orthopedic Oncology Questions <i>Abdullah N. Ghali, MD, The University of Texas MD Anderson Cancer Center</i>
1:04 pm – 1:08 pm	327 - How Safe Are Minimally Invasive Photodynamic Intramedullary Implants? <i>Christen E. Chalmers, MD, University of California Irvine</i>
1:08 pm – 1:12 pm	304 - Complications of Prophylactic Intervention After Soft Tissue Sarcoma Resection <i>Christopher Moran, MD, MD Anderson</i>
1:12 pm – 1:16 pm	312 - 3D Printed Models in Surgical Planning for Soft Tissue Sarcomas <i>Robert C. Weinschenk, MD, University of Texas Southwestern Medical Center</i>
1:16 pm – 1:20 pm	Discussion
1:20 pm – 1:24 pm	369 - Comparing Reconstructive Options for Oncologic Proximal Humerus Replacement <i>Autreen Golzar, BS, University of California Los Angeles</i>
1:24 pm – 1:28 pm	709 - Comparative Outcomes following Total Hip Arthroplasty for Pathological vs. Traumatic Hip Fractures <i>Youssef Khalafallah, MD, University of Texas MD Anderson Cancer Center</i>
1:28 pm – 1:32 pm	632 - Surgical Washing Tumor DNA as a Biomarker of Local Recurrence <i>Cierra Hong, MD, Stanford University</i>
1:32 pm – 1:36 pm	464 - Total Hip Arthroplasty after Stem Cell Transplant and CAR-T Cell Therapy <i>Hyunwoo P. Kang, MD, University of Southern California</i>
1:36 pm – 1:40 pm	613 - Accuracy of Intramedullary Reamings Compared to Traditional Biopsy in Metastases <i>Molly Sekar, MD, University of Arizona - Phoenix Orthopaedic Residency</i>
1:40 pm – 1:45 pm	Discussion
1:45 pm – 2:45 pm	<b>Scientific Poster / E-Poster Session</b> (Presenters are available to answer questions)

**Saturday, August 2<sup>nd</sup>**

6:15 am – 7:15 am	<b>Scientific Poster / E-Poster Session</b> (Presenters are available to answer questions)
7:10 am – 7:20 am	<b>Second Business Meeting</b>
7:20 am – 7:25 am	<b>Morning Announcements and Overview</b> <i>Kathryn L. Schabel, MD, Oregon Health &amp; Science University</i> <i>Jennifer M. van Warmerdam, MD, UCSF Health St. Mary's Hospital</i>

**General Session 4 – Howard Steel Lecturer**

**Moderator:** Basil R. Besh, MD, *FORM Hand, Wrist & Elbow Institute*

*\*CME Credit not available*

7:25 am – 8:35 am	Be a Coffee Bean <i>Damon West</i>
8:35 am – 9:05 am	<b>Focused Breakfast Presentation</b> <i>*CME Credit not available</i>

**Rapid Fire Session 5A – Sports Pediatrics**

Moderator: TBD

9:15 am – 9:19 am	39 - MPFL Reconstruction With or Without TTO in Adolescent Patellofemoral Instability <i>Garrett K. Berger, MD, PharmD, University of California, San Diego</i>
9:19 am – 9:23 am	296 - Early Outcomes and Complications of Derotational Distal Femoral Osteotomies for Recurrent Patellar Instability <i>Ioanna Bolia-Kavouklis, MD, MS, Keck School of Medicine of University of Southern California Sports</i>
9:23 am – 9:27 am	20 - Visual Impairment Linked to Concussion Risk in Youth Football Players <i>Karim Jamaledine, BS, UC Riverside School of Medicine</i>
9:27 am – 9:31 am	332 - Clinical and Radiographic Outcomes of MACI for Pediatric Knee OCDs <i>Lydia McKeithan, MD, University of California, Davis</i>

9:31 am – 9:35 am	Discussion
9:35 am – 9:39 am	618 - Combined Root and Body (CRAB) Lateral Meniscus Tears in the Adolescent Population: An Underrecognized and Underreported Tear Pattern <i>Karch M. Smith, MD, University of California San Diego Health</i>
9:39 am – 9:43 am	163 - Anteromedialization of the Tibial Tubercle Does Not Provide a Clinical Advantage Over Medial Quadriceps Tendon-Femoral-Ligament Reconstruction Alone in Treatment of Adolescent Patellar Instability <i>Suzanna M. Ohlsen, MD, Harborview Medical Center</i>
9:43 am – 9:47 am	333 - Lesion Characteristics Impact on MACI Outcomes in Pediatric Knee OCD <i>Nicholas Stamatos, MD, UC Davis Health; Department of Orthopaedic Surgery</i>
9:47 am – 9:51 am	189 - Arthroscopy is Crucial for Pediatric Chondral Lesions in MPFLR <i>Eugenia Lin, MD, Mayo Clinic Arizona</i>
9:51 am – 9:55 am	722 - Retrospective Review of Opioid Prescribing Practices for Common Pediatric Sports Medicine Knee Surgeries Across a Pediatric Orthopedic Health System <i>Callum Rowe, MD, University of California, Davis</i>
9:55 am – 10:00 am	Discussion
<b>Rapid Fire Session 5B – Shoulder</b>	
Moderator: TBD	
9:15 am – 9:19 am	551 - Arthroscopic 270 Degrees Labral Repair Outcomes at Ten-Year Follow-Up <i>John K. McNamara, MD, William Beaumont Army Medical Center / Texas Tech</i>
9:19 am – 9:23 am	430 - A Biomechanical Comparison of Lesser Tuberosity Repair Techniques <i>Mitchell S. Kirkham, BS, University of Utah</i>
9:23 am – 9:27 am	545 - The Relationship between Bone Quality and Biomechanical Strength of All-Suture Anchors Utilized in Rotator Cuff Repairs

9:27 am – 9:31 am	<p><i>Andrew P. Nakla, BS, Cedars Sinai Medical Center</i>  263 - Complications and Costs of Shoulder Arthroplasty in Parkinson's Disease  <i>Nicole J. Newman-Hung, MD, University of California Los Angeles</i></p>
9:31 am – 9:35 am	Discussion
9:35 am – 9:39 am	<p>549 - Anterior Glenoid Reconstruction with Free Bone Graft vs. Latarjet for Recurrent Shoulder Instability with Glenoid Bone Loss in an Active-Duty Military Population  <i>Colby Brunette, Bsc, MD, Madigan Army Medical Center</i></p>
9:39 am – 9:43 am	<p>52 - Liposomal Bupivacaine in Rotator Cuff Repairs a Network Meta Analysis  <i>Michael K. Deegan, MD, MAMC Orthopaedics</i></p>
9:43 am – 9:47 am	<p>35 - Pediatric Shoulder Instability: Outcomes with and without Bony Bankart Lesions  <i>Garrett K. Berger, MD, PharmD, University of California, San Diego</i></p>
9:47 am – 9:51 am	<p>379 - Meta-Analysis of Lower Trapezius Transfer vs. Superior Capsular Reconstruction  <i>Connor Sholtis, MD, Stanford University</i></p>
9:51 am – 9:55 am	<p>550 - Factors Influencing Return to Duty Following Rotator Cuff Repair  <i>John K. McNamara, MD, William Beaumont Army Medical Center / Texas Tech</i></p>
9:55 am – 10:00 am	Discussion
<b>Rapid Fire Session 5C – Spine</b> Moderator: TBD	
9:15 am – 9:19 am	<p>383 - Rate of Conversion to Fusion following Cervical Laminectomy vs. Laminoplasty  <i>Vivien Chan, MD, MSc, Cedars-Sinai Medical Center</i></p>
9:19 am – 9:23 am	<p>129 - Non-Tobacco Nicotine Dependence is Associated with Increased Risk of Complications following Lumbar Decompression  <i>Michael S. Kim, MD, University of California, Irvine, School of Medicine</i></p>

9:23 am – 9:27 am	196 - Patients receiving GLP-1 Agonists Have Reduced Odds of Pseudoarthrosis and Revision Following Lumbar Fusion Surgery <i>Abhinav K. Sharma, MD, University of California, Irvine, School of Medicine</i>
9:27 am – 9:31 am	135 - Anterior vs. Posterior Lumbar Fusion for Adult Isthmic Spondylolisthesis <i>Rahul Bhale, MD, University of California, Davis</i>
9:31 am – 9:35 am	Discussion
9:35 am – 9:39 am	146 - Impact of Ankylosing Spondylitis and Diffuse Idiopathic Skeletal Hyperostosis on Spinal Trauma Outcomes <i>Josh Callaway, BS, UC Davis Medical Center</i>
9:39 am – 9:43 am	652 - Limited Fusion for Congenital Scoliosis: Is it One and Done? <i>Brandon Yoshida, MD, University of Southern California</i>
9:43 am – 9:47 am	356 - Improving Outcomes in Endoscopic Spine Surgery: The Effect of Fluoroscopy Based 2D Navigation on Surgery Duration and Radiation Exposure <i>Andy T. Ton, MD, UC Irvine</i>
9:47 am – 9:51 am	113 - Segmental Trans-endplate Pedicle Screws Don't Induce Spinal Deformity in Piglets <i>John S. Vorhies, MD, Stanford University</i>
9:51 am – 9:55 am	156 - Lower Childhood Opportunity Index Predicts Lower PROMIS Among Spine Patients <i>John S. Vorhies, MD, Stanford University</i>
9:55 am – 10:00 am	Discussion
<b>Rapid Fire Session 5D – Prosthetic Joint Infection</b>	
Moderator: TBD	
9:15 am – 9:19 am	207 - Preoperative, Intra-Articular Injection for Hemostasis and Infection Prophylaxis in TKA <i>Nathan P. Fackler, MD, University of California, San Diego</i>
9:19 am – 9:23 am	175 - Assessing Diagnostic Accuracy of Synovial Send-out Laboratories for Knee PJI



*Ryan C. Palmer, BS, University of Southern California  
Keck School of Medicine*

- 9:23 am – 9:27 am      139 - Cemented Metal-and-Polyethylene Spacers have Similar Cost Profiles with less Complications compared to All-Cement Articulating Spacers for Treatment of Knee Periprosthetic Joint Infection  
*Angel Xiao, MD, University of California, San Francisco*
- 9:27 am – 9:31 am      366 - Polymicrobial Coinfection Increases Staphylococcus Aureus Biofilm in Periprosthetic Joint Infection  
*Christopher D. Hamad, MD, University of California Los Angeles*
- 9:31 am – 9:35 am      Discussion
- 9:35 am – 9:39 am      15 - Prophage Count during PJI is Associated with an Increase in Resistance Genes  
*Derek F. Amanatullah, MD, PhD, Stanford University*
- 9:39 am – 9:43 am      683 - The Efficacy of Cefazolin vs. Non-Cephalosporin Alternatives in Periprosthetic Joint Infection Prevention after Hip and Knee Arthroplasty  
*Sanjana D. Kanumuri, BS, University of Washington*
- 9:43 am – 9:47 am      16 - Circulating Bacteriophage DNA Distinguishes Staphylococcal Infection from Commensal Colonization  
*Derek F. Amanatullah, MD, PhD, Stanford University*
- 9:47 am – 9:51 am      170 - Bariatric Surgery Patients at Increased Risk of PJI following TJA  
*Avinash Iyer, BS, Keck School of Medicine at USC*
- 9:51 am – 9:55 am      693 - Do Atypical Cultures Add Value in Revision Total Joint Arthroplasty?  
*David Jung, BA, University of Chicago Pritzker School of Medicine*
- 9:55 am – 10:00 am      Discussion

**Rapid Fire Session 5E – General Interest**

Moderator: TBD

- 9:15 am – 9:19 am      721 - <24-Hour Hip Fracture Surgery in Patients on DOAC Reduces Bleeding

*Peter A. Giammanco, BS, California University of Science and Medicine*

- 9:19 am – 9:23 am      605 - Use of Teriparatide for Fracture Healing in NCAA Division 1 Athletes  
*Cailan L. Feingold, BS, Keck School of Medicine of USC*
- 9:23 am – 9:27 am      563 - Arthroscopic Posterior Labral Repair at Minimum Ten-Years Follow-Up  
*Natasha Simske, MD, William Beaumont Army Medical Center*
- 9:27 am – 9:31 am      529 - Revision vs. Primary Posterior Labral Repair: Five-Years Follow-Up  
*Amy Thompson, MD, William Beaumont Army Medical Center*
- 9:31 am – 9:35 am      Discussion
- 9:35 am – 9:39 am      713 - Hybrid Human Dermal Allograft and Knotless All-Suture Anchor Acromioclavicular Reconstruction Restores Translational and Rotational Stability  
*Jim C. Hsu, MD, Yale School of Medicine*
- 9:39 am – 9:43 am      590 - PPI on Post-Operative Complications following Intertrochanteric Femur Fracture  
*Kerollos Ibrahim, Rothman Orthopedic Institute, Orlando*
- 9:43 am – 9:47 am      612 - Risk Factors for Arthrofibrosis in Schenck 3 and 4 Multiligament Knee Injury Patients  
*Cailan L. Feingold, BS, Keck School of Medicine of USC*
- 9:47 am – 9:51 am      601 - Posterior Open Capsular Release for Knee Arthrofibrosis: A Technical Note and Early Outcomes  
*Eric H. Lin, BA, Keck School of Medicine of USC*
- 9:51 am – 9:55 am      556 - Acromioclavicular Dislocations  
*Annette Yoon, MD, William Beaumont Army Medical Center*
- 9:55 am – 10:00 am      Discussion
- 10:00 am – 10:25 am      *Break – Please visit exhibits***

**Symposium 4 – Orthopedics in Hawaii: Lessons from the Far, Far West**

**Moderator:** Linda Rasmussen, MD, *Windward Orthopaedic Group, Inc.*

10:25 am – 10:35 am	Navigating Cultural Differences and Obesity to Improve Overall Health in Hawaii <i>Linda Rasmussen, MD, Windward Orthopaedic Group, Inc</i>
10:35 am – 10:45 am	Hawaiian Culture Integrated with Traditional Medicine <i>Andrew Keola Richardson, MD, Orthopedic Associates</i>
10:45 am – 10:55 am	Building Orthopedic Capacity in the Pacific <i>David Rovinsky, MD, FACS, University of Hawaii, John A. Burns School of Medicine</i>
10:55 am – 11:05 am	Health Literacy and Cultural Differences <i>Janae Rasmussen, DO, Valley Consortium for Medical Education's Orthopedic Surgery</i>
11:05 am – 11:25 am	Discussion

#### **Concurrent Session 4A – Bone Health**

**Moderator:** Carol A. Lin, MD, *Cedars-Sinai Medical Center*

8:35 am – 8:50 am	Menopause and Musculoskeletal Health <i>Margareta Pisarska, MD, Cedars-Sinai Medical Center</i>
8:50 am – 9:05 am	Osteoporosis Pharmacotherapy: An Update <i>Susan Bukata, MD, University of California, San Diego</i>
9:05 am – 9:20 am	Building a Bone Health Program <i>Andrea Fox, DMSc, MMS, MHA, PA-C, Stanford School of Medicine</i>
9:20 am – 9:35 am	Discussion

#### **Concurrent Session 4B – Reverse Total Shoulder Arthroplasty: Biomechanics, Indications, and Managing Complications**

**Moderator:** Deana Mercer, MD, *University of New Mexico*

11:30 am – 11:42 am	rTSA Biomechanics <i>John M. Itamura, MD, Cedars Sinai Kerlan-Jobe Institute</i>
11:42 am – 11:54 am	rTSA Indication for Fracture <i>Jennifer FitzPatrick, MD, Parkview Medical Center</i>
11:54 am – 12:06 pm	Management of Failed rTSA <i>Niloofar Dehghan, MD, CORE Institute Phoenix</i>
12:06 pm – 12:18 pm	Management of Nerve Injury in rTSA

*Deana Mercer, MD, University of New Mexico*

12:18 pm – 12:30 pm

Discussion

**Concurrent Session 4C – A Generalist’s Guide to Pediatric Orthopaedic Trauma**

**Moderator:** Meghan N. Imrie, MD, *Stanford University*

11:30 am – 11:42 am

5 Principles of Pediatric Fracture Remodeling  
*Meghan N. Imrie, MD, Stanford University*

11:42 am – 11:54 am

Tips and Tricks for Pediatric Upper Extremity Fractures  
*Kathleen D. Rickert, MD, Ascension Seton Medical Center Austin*

11:54 am – 12:06 pm

What to NOT Miss When You’re Taking Peds Call  
*Holly B. Leshikar, MD, Shriners Children’s*

12:06 pm – 12:18 pm

Spine Trauma Basics for the Adolescent  
*David Skaggs, MD, Cedars-Sinai Medical Center*

12:18 pm – 12:30 pm

Panel Discussion: Pediatric Tolerances: What Can We Accept, What Needs to be Fixed?

**General Session 5 – Endowed Award Paper Presentations**

**Moderators:** Kathryn L. Schabel, MD, *Oregon Health & Science University*

Jennifer M. van Warmerdam, MD, *UCSF Health St. Mary’s Hospital*

12:35 pm – 12:41 pm

396 - Surgeon vs. Hospital Medicare Reimbursement for Revision Total Joint Arthroplasty  
*Jack Haglin, MD, Mayo Clinic*

12:41 pm – 12:47 pm

393 - Randomized Controlled Trial: Multimodal Pain Protocol After Outpatient Orthopaedic Trauma Surgeries  
*Brendan C. O’Leary, MD, University of California, San Diego*

12:47 pm – 12:53 pm

235 - Patients Receiving GLP-1 agonists Have Reduced Odds of Pseudoarthrosis Following Lumbar Decompression and Fusion Surgery  
*Abhinav K. Sharma, MD, University of California, Irvine, School of Medicine*

12:53 pm – 12:59 pm

88 - Wait to Check: Do Early Post-Intervention Radiographs Change Management After Pediatric Femur Fractures?  
*Kylie Shaw, MD, University of Colorado*

12:59 pm – 1:05 pm	476 - Dynamic Limb Assessment of High-Energy Lower Extremity Trauma Improves Prediction of Amputation <i>Christopher Stewart, MD, University of California, San Francisco</i>
1:05 pm – 1:10 pm	Discussion
1:10 pm – 1:16 pm	57 - Anterior-Humeral-Circumflex Artery Ligation Ablates Blood-Flow to Lesser Tuberosity Osteotomies <i>Tyler Thorne, MD, University of Utah</i>
1:16 pm – 1:22 pm	273 - Aspirin is an Effective Method of Prophylaxis in Primary TJA Patients with a History of VTE <i>Jens Verhey, MD, Mayo Clinic Arizona</i>
1:22 pm – 1:28 pm	24 - Revision and Postoperative Complication Rates after Conversion Total Hip Arthroplasty after Cephalomedullary Nailing of Intertrochanteric Femur Fractures: Systematic Review and Meta-Analysis <i>Harsh Wadhwa, BS, Stanford University</i>
1:28 pm – 1:34 pm	<b>Clarence and Sherril Splithoff Pediatric Orthopaedic Surgery Award</b> 585 - Pediatric Fracture Healing from Skeletal Perspective <i>Kira F. Skaggs, MD, Stanford University</i>
1:34 pm – 1:40 pm	<b>John S. Smith Sr., MD, Military Resident Research Award</b> 541 - Unidirectional Shoulder Instability Portends Larger Glenoid Bone Loss than Combined <i>Annette Yoon, MD, William Beaumont Army Medical Center</i>
1:40 pm – 1:45 pm	Discussion
1:35 pm – 2:35 pm	<b>Scientific Poster / E-Poster Session</b> (Presenters are available to answer questions)