# Thursday, August 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>5:45 am – 6:45 am</td>
<td><strong>Scientific E-Poster Session</strong> (Presenters are available to answer questions.)</td>
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</tbody>
</table>
| 6:45 am – 6:50 am | **Welcome and Announcements**  
*Jeffrey E. Krygier, MD, Program Chair*  
*Brian A. Jewett, MD, President* |
| 6:50 am – 7:00 am | **First Business Meeting** |
| **Symposium 1 – Sports – Focus on the Athlete’s Knee**  
**Moderator:** Jonathan Bravman, MD, *University of Colorado School of Medicine* |
| 7:00 am – 7:12 am | Team Physician Role and Responsibilities  
*Jonathan Bravman, MD, University of Colorado School of Medicine* |
| 7:12 am – 7:24 am | Return to Play after an ACL Injury  
*Kevin D. Plancher, MD, Albert Einstein College of Medicine* |
| 7:24 am – 07:36 am | Management of the “Other” Knee Ligaments (ALL, MCL, LCL, etc…)  
*Eric McCarty, MD, University of Colorado School of Medicine* |
| 7:36 am – 7:48 am | Current State of the Art in Treatment of Patellar Instability  
*Rachel M. Frank, MD, University of Colorado School of Medicine* |
| 7:48 am – 7:50 am | Discussion |
| **Rapid Fire Sessions 1A – Pediatrics**  
**Moderators:** TBD |
| 7:55 am – 7:59 am | Trends in Pediatric Traumatic Upper Extremity Amputations  
*Venus Vakhshori, MD, Keck School of Medicine at the University of Southern California* |
| 7:59 am – 8:03 am | Association Between Fracture Laterality and Nerve Injury  
Among Pediatric Supracondylar Humerus Fractures |
Diana Douleh, MD, University of Colorado

8:03 am – 8:07 am  How Often Are Pediatric Elbow Radiographs Adequate for Interpretation
Daniel Brereton, DO, Riverside University Health System

8:07 am – 8:11 am  Mischievous Metaphyseal Metallic Implants in Children
Chason Ziino, MD, Stanford University

8:11 am – 8:15 am  Discussion

8:15 am – 8:19 am  Radiolucent versus Fracture Tables for In Situ SCFE Pinning
Katherine Schroeder, MD, Texas Children's Hospital/ Baylor College of Medicine

8:19 am – 8:23 am  Accuracy of Fluoroscopy when Assessing Pin Protrusion during Fracture Stabilization?
Steven Kenney, DO, MPH, Riverside University Health System

8:23 am – 8:27 am  Sacroiliac Periosteal Avulsion as an Indication of Posterior Pelvic Fracture Instability in Children
Chase Dean, MD, University of Colorado School of Medicine

8:27 am – 8:31 am  Closed versus Surgical Management of SER IV Ankle Fractures in Adolescents: Maintain the Ankle Mortise
Benjamin Lurie, BA, Rady Children's Hospital

8:31 am – 8:35 am  Discussion

Rapid Fire Sessions 1B – Upper Extremity/Hand & Wrist
Moderators: TBD

7:55 am – 7:59 am  Proximal Row Carpectomy versus Four Corner Fusion: Regional Differences, Incidence, and Conversion to Fusion
Harrison Kay, MD, University of Southern California Medical Center

7:59 am – 8:03 am  Feasibility and Usability of a Ranking Tool for Trigger Finger
Lauren Shapiro, MD, Stanford Hospital and Clinics

8:03 am – 8:07 am  Wrist Arthroscopy for the Treatment of Scapholunate Predynamic Instability and Return to Push-Up Activity
Christopher Belyea, MD, Tripler Army Medical Center

8:07 am – 8:11 am  FasT-Fix All-Arthroscopic Repair of Peripheral TFCC Tears: Safe and Effective in Long-Term
8:11 am – 8:15 am   Discussion

8:15 am – 8:19 am   Epidemiological and Treatment Trends of Distal Radius Fractures Across Multiple Age Groups
   Ali Azad, MD, University of Southern California

8:19 am – 8:23 am   Peripheral Nerve Block Prior to Distal Radius Repair
   Pierce Johnson, MD, Banner University of Arizona Phoenix

8:23 am – 8:27 am   Feasibility and Usability of Conjoint Analysis for Distal Radius Fractures
   Lauren Shapiro, MD, Stanford Hospital and Clinics

8:27 am – 8:31 am   Declining Use of Wrist External Fixation – The Rise of the Bridge Plate
   Venus Vakhshori, MD, Keck School of Medicine at the University of Southern California

8:31 am – 8:35 am   Discussion

Rapid Fire Sessions 1C – Total Hip
Moderators: TBD

7:55 am – 7:59 am   Learning Curve for Direct Anterior Approach for Total Hip Arthroplasty
   Tyler Goldberg, MD, Texas Orthopedics, Sports and Rehabilitation Associates

7:59 am – 8:03 am   Statin Use is Associated with Less Postoperative Arrhythmia after Total Hip Arthroplasty
   Michael Chen, MD, Stanford University

8:03 am – 8:07 am   THA in HIV-Positive Patients Managed with Contemporary Protocols Outcomes
   Clara L. Telford, BA, University of Texas Southwestern

8:07 am – 8:11 am   Resources and Complications in Primary Total Arthroplasty for Dialysis Patients
   Joseph Patterson, MD, University of California San Francisco

8:11 am – 8:15 am   Discussion

8:15 am – 8:19 am   Incision Site Subcutaneous Fat Thickness and 90-day Complications for THA
Gregory Sprowls, MD, Baylor Scott and White Health

8:19 am – 8:23 am
Quantification of the Dorr Classification System
*Tyler Goldberg, MD, Texas Orthopedics, Sports and Rehabilitation Associates*

8:23 am – 8:27 am
To Cement or Not to Cement? Modern Hybrid Total Hip Replacement - Low Risks and Excellent Results with Cemented Femoral Fixation
*Alexander Sah, MD, Institute for Joint Restoration*

8:27 am – 8:31 am
First Report of Early Results of a Commonly Used Cementless Single Tapered Femoral Component in Primary Total Hip Arthroplasty
*Alexander Sah, MD, Institute for Joint Restoration*

8:31 am – 8:35 am
Discussion

Rapid Fire Sessions 1D – Sports Medicine

Moderators: TBD

7:55 am – 7:59 am
Outcomes of Arthroscopic Capsular Release Based on Patient Position
*Darby A. Houck, BA, University of Colorado School of Medicine*

7:59 am – 8:03 am
Regional Anesthesia for Shoulder Arthroscopy Decreases Early Opioid Requirements in Preoperative Opioid Users
*Nicholas Trasolini, MD, Keck School of Medicine at the University of Southern California*

8:03 am – 8:07 am
Does the ABER View Improve Preoperative Identification of Labral Lesions
*Jeffrey Mait, MD, The Sports Clinic*

8:07 am – 8:11 am
Scapular Retraction Test's Diagnostic Accuracy in Assessing Rotator Cuff Status
*Stephen Gates, MD, University of Texas Southwestern*

8:11 am – 8:15 am
Discussion

8:15 am – 8:19 am
Trans-Osseous versus Anchor Repair of Acute Patellar Tendon Ruptures
*James O'Dowd, MD, University of Southern California*

8:19 am – 8:23 am
Trans-Osseous Versus Anchor Repair of Acute Quadriceps Tendon Ruptures
8:23 am – 8:27 am  Return to Work After Autologous Chondrocyte Implantation of the Knee in Patients with Workers Compensation Insurance  
*Steven Heer, BS, Tulane School of Medicine*

8:27 am – 8:31 am  Outcomes of Pediatric Meniscal Injuries  
*John Lame, MD, University of California*

8:31 am – 8:35 am  Discussion  

**Concurrent Allied Health Session 1 – Trauma**  
**Moderator:** Theodore W. Coates, PA-C, *University of California, Davis*

7:55 am – 8:55 am  Non-Op Management of Fractures, Pearls and Pitfalls  
*Speaker TBD*

8:35 am – 8:55 am  **Break – Please visit Exhibits**

**General Session 1 – Howard Steel Lecture**  
**Moderator:** Brian A. Jewett, MD, *Slocum Center for Orthopedics and Sports Medicine*

8:55 am – 9:00 am  Introduction of Presidential Guest Speaker  
*Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine*

9:00 am – 9:50 am  Howard Steel Presentation  
Choosing Resilience: How Physicians and Medical Organizations Can Curb Burnout  
*Wayne M. Sotile, PhD, The Sotile Center for Resilience and the Center for Physician Resilience*

9:50 am – 10:10 am  **Break – Please visit Exhibits**

**Symposium 2 – Surviving Hand Call for Non-Hand Specialists – A Case Based Session with Panel of Experts**  
**Moderator:** Jeffrey E. Krygier, MD, Santa Clara Valley Medical Center

**Panelists:**  
*Gregory L. DeSilva, MD, University of Arizona Health Sciences*  
*Kevin D. Plancher, MD, Albert Einstein College of Medicine*  
*Robin N. Kamal, MD, Stanford University School of Medicine*

10:10 am – 11:00 am  Panel Discussion

11:00 am – 12:00 pm  **Focused Lunch Presentation**
General Session 2 – OREF Update/WOF/OREF Young Investigator Awards
Moderator: Jeffrey E. Krygier, MD, Santa Clara Valley Medical Center

12:00 pm – 12:05 pm  OREF Update
P. Joanne Ray, CEO Orthopaedic Research and Education Foundation

12:05 pm – 12:13 pm  Biomarkers of Neutrophil Extracellular Trap Formation (NETosis) and their Relationship to Wound Healing in Ankle Fracture Surgery
William Kent, MD, University of California, San Diego

12:13 pm – 12:21 pm  3-Dimensional Virtual Reality for Pain Control in Orthopaedic Patients: A Prospective Randomized Control Study
Milton Little, MD, Cedars Sinai Medical Center

12:21 pm – 12:29 pm  Correlation of Intraoperative Neurophysiologic Monitoring Changes with Postoperative Neurologic Deficits
Kali Tileston, MD, Stanford University

12:29 pm – 12:35 pm  Discussion

Concurrent Allied Health Session 2 – Pediatric Sports Medicine
Moderator: Theodore W. Coates, PA-C, University of California, Davis

12:00 pm – 1:00 pm  Pediatric Sports Medicine
Brian Haus, MD, Shriners Hospital for Children, Sacramento

Rapid Fire Sessions 2A – Other
Moderators: TBD

12:40 pm – 12:44 pm  Patient Mental Health Status is Minimally Associated with Patient Satisfaction
Laura Lu, BS, Stanford University

12:44 pm – 12:48 pm  The Effect of a Revised Curriculum on OITE Performance
Taylor Lara, MD, Oregon Health & Science University

12:48 pm – 12:52 pm  A Structured Review Instrument Improves the Quality of Orthopaedic Journal Club
Sean Campbell, MD, Stanford University
12:52 pm – 12:56 pm  Orthopaedic Surgery Residents and the Physician Payment Sunshine Act: Are Payments to Resident Physicians Being Reported in the Open Payments Database?  
*Jason Ghodasra, MD, MSCI, University of California Los Angeles*

12:56 pm – 1:00 pm  Discussion

1:00 pm – 1:04 pm  Which Subspecialties Produce Best Evidence at the AAOS Annual Meeting?  
*Kimberly Souza, BS, Stanford University*

1:04 pm – 1:08 pm  The Thirty Year Slump: Gender Diversity in Orthopaedic Literature  
*Meghan Brown, MD, University of Southern California Medical Center*

1:08 pm – 1:12 pm  Gender Disparities in Industry Support of Orthopaedic Surgeons  
*Rafael Buerba, MD, MHS, University of California Los Angeles*

1:12 pm – 1:16 pm  Current Maternity, Paternity and Adoption Leave Policies in Orthopaedic Surgery Residencies  
*Sara Van Nortwick, MD, Stanford University*

1:16 pm – 1:20 pm  Discussion

1:20 pm – 1:24 pm  Can Patients and Families Read the Questionnaires for Patient Related Outcome Measures?  
*Ellen Raney, MD, Shriners Hospital for Children*

1:24 pm – 1:28 pm  One-Year Global Unplanned Reoperation Rates: a Useful Quality Metric in Orthopaedic Surgery?  
*Olufemi Adams, BA, BS, University of Chicago - Pritzker School of Medicine*

1:28 pm – 1:32 pm  Does Tailoring Discharge Opioid Regimens to Inpatient Use after Orthopaedic Procedures Affect Refill Rates?  
*Trevor Grace, MD, University of California San Francisco*

1:32 pm – 1:36 pm  Infection Surveillance at Ambulatory Surgical Centers  
*Jory Wasserburger, MD, University of New Mexico*

1:36 pm – 1:40 pm  Discussion

**Rapid Fire Sessions 2B – Upper Extremity**  
Moderators: TBD
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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Presenter</th>
<th>Institution</th>
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<tbody>
<tr>
<td>12:40 pm – 12:44 pm</td>
<td>Nationwide Database Analysis of Intramedullary Nail vs Plate Fixation for Humeral Shaft Fractures</td>
<td>Paul Navo, MS</td>
<td>Keck School of Medicine of the University of Southern California</td>
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<tr>
<td>12:44 pm – 12:48 pm</td>
<td>Early Post-Operative Outcomes of Plate Versus Nail Fixation for Humeral Shaft Fractures</td>
<td>Jill Goodwin, MD</td>
<td>University of Arizona College of Medicine</td>
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<td>12:48 pm – 12:52 pm</td>
<td>Operative versus Nonoperative Treatment of Humeral Shaft Fractures</td>
<td>Brian Cash, MD</td>
<td>University of California Los Angeles Medical Center and Orthopaedic Hospital</td>
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<td>12:52 pm – 12:56 pm</td>
<td>Relationship Of Neurovascular Structures To Multiplanar Distal Interlocking Screws In Intramedullary Humeral Nails</td>
<td>Garrett Steinmetz, MD</td>
<td>University of Oklahoma</td>
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<td>12:56 pm – 1:00 pm</td>
<td>Discussion</td>
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<td>1:00 pm – 1:04 pm</td>
<td>Low-Profile Mesh Plating For Treating Transverse Olecranon Fractures: Biomechanical Evaluation</td>
<td>Christina Salas, PhD</td>
<td>University of New Mexico</td>
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<td>1:04 pm – 1:08 pm</td>
<td>Low Complication Rates among Geriatric Olecranon Fracture Patients Treated with Plate Fixation</td>
<td>Sean Campbell, MD</td>
<td>Stanford University</td>
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<td>1:08 pm – 1:12 pm</td>
<td>Comparison of Tension Band and Plate Fixation of Olecranon Fractures</td>
<td>Michael Del Core, MD</td>
<td>University of Texas Southwestern Medical Center</td>
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<td>1:12 pm – 1:16 pm</td>
<td>Concomitant Upper Extremity Fracture Worsens Outcomes in Elderly Patients with Hip Fracture</td>
<td>Mary Kate Thayer, MD</td>
<td>University of Washington Department of Orthopaedics</td>
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<td>1:16 pm – 1:20 pm</td>
<td>Discussion</td>
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<td>1:20 pm – 1:24 pm</td>
<td>A Novel Technique for Olecranon Osteotomy for Treatment of Distal Humerus Fractures</td>
<td>Duncan Ramsey, MD</td>
<td>Oregon Health and Science University</td>
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1:24 pm – 1:28 pm  
Radial Head Instability and Limited Hand Rotation after Simulated IOM Injury  
Christina Salas, PhD, University of New Mexico

1:28 pm – 1:32 pm  
Effects of Centralized Microvascular Outreach on Quality of Patient Care  
Christopher Chen, MD, University of Colorado

1:32 pm – 1:36 pm  
Feasibility of Discussing Cost of Surgery at Point of Care  
Laura Lu, BS, Stanford University

1:36 pm – 1:40 pm  
Discussion

**Rapid Fire Sessions 2C – Total Knee**  
Moderators: TBD

12:40 pm – 12:44 pm  
Manipulation Rate Is Not Increased After Customized Total Knee Arthroplasty  
Andrew B. Kay, MD, Houston Methodist Hospital

12:44 pm – 12:48 pm  
Does use of Robotic Technology Improve Surgeon Ergonomic Safety and Satisfaction during TKA?  
Laura Scholl, MS, Mahwah, NJ

12:48 pm – 12:52 pm  
Unexpected High Failure Rate in a Patient-Specific Total Knee Arthroplasty  
Kevin Park, MD, Houston Methodist Hospital

12:52 pm – 12:56 pm  
Effect of Computer Navigation on Complication Rates Following Unicompartmental Knee Arthroplasty  
Deepak Chona, MD, Stanford University

12:56 pm – 1:00 pm  
Discussion

1:00 pm – 1:04 pm  
Vitamin D is Associated with Higher Complication Rates in TKA  
Vishal Hegde, MD, University of California, Los Angeles

1:04 pm – 1:08 pm  
Early Opioid Cessation and Patient Reported Outcomes in Primary TKA  
Andrew Summers, BS, Oregon Health & Science University

1:08 pm – 1:12 pm  
Tranexamic Acid with Limited Use Tourniquet in Total Knee Arthroplasty  
Avrey Novak, BS, University of Washington School of Medicine
1:12 pm – 1:16 pm  Aminocaproic Acid Versus Tranexamic Acid in Total Joint Arthroplasty. What’s Better?  
Zachary Lum, DO, University of California, Davis

1:16 pm – 1:20 pm  Discussion

1:20 pm – 1:24 pm  Outcomes of a Unique Milling System Technique for Patellofemoral Arthroplasty  
Alexander Sah, MD, Institute for Joint Restoration

1:24 pm – 1:28 pm  Effect of Patellar Thickness on Gait Biomechanics Following Knee Arthroplasty  
Anne Wright, MD, University of Hawaii

1:28 pm – 1:32 pm  Addressing Large Tibial Osseous Defects in Primary Total Knee Arthroplasty Using Trabecular Metal Cones  
Jae You, MD, University of Hawaii

1:32 pm – 1:36 pm  Clinical Performance of a Novel 3D printed Cementless Tibial Baseplate  
Steven Harwin, MD, Mount Sinai Hospital

1:36 pm – 1:40 pm  Discussion

**Rapid Fire Sessions 2D – Trauma/Hip Fractures**  
Moderators: TBD

12:40 pm – 12:44 pm  Time-to-Block: Early Fascia Iliac Block Reduces Opioid Use in Geriatric Hip Fractures  
John Garlich, MD, Cedars Sinai Medical Center

12:44 pm – 12:48 pm  Geriatric Hip Fractures: Regional Anesthesia with Multimodal Pain Management  
John Garlich, MD, Cedars Sinai Medical Center

12:48 pm – 12:52 pm  Single-Shot versus Continuous Fascia Iliaca Blocks for Hip Fractures  
Stephen Stephan, MD, Cedars-Sinai Medical Center

12:52 pm – 12:56 pm  Fascia Iliacus Blocks Do Not Affect Hospital Length of Stay  
Landon Polakof, MD, Cedars-Sinai Medical Center

12:56 pm – 1:00 pm  Discussion

1:00 pm – 1:04 pm  Determining Indications for Preoperative Fascia Iliac Nerve Block in Hip Fracture Patients
Eytan Debbi, MD, PhD, Cedars Sinai Medical Center

1:04 pm – 1:08 pm  Fewer Fatal Fractures: Impact Of Comprehensive Geriatric Hip Fracture Program On 1-Year Mortality
Jason Stoneback, MD, University of Colorado School of Medicine

1:08 pm – 1:12 pm  Predictors For Thirty-day To One-year Readmission Rates in a Geriatric Hip Fracture Population
Samuel Stephenson, MD, PhD, Cedars Sinai Medical Center

1:12 pm – 1:16 pm  Impact of Interhospital Transfer on 30-day Hip Fracture Outcomes
David Campbell, MD, University of Arizona

1:16 pm – 1:20 pm  Discussion

1:20 pm – 1:24 pm  Incidence and Risk Factors for Pneumonia in Hip Fractures
Blake Eyberg, MD, University of Arizona College of Medicine

1:24 pm – 1:28 pm  Nail versus Plate: No Difference in Hip Fracture Episode Cost
Joseph Patterson, MD, University of California San Francisco

1:28 pm – 1:32 pm  Hip Fracture Patients Receiving Perioperative TAVR have Higher Complication Rates
Dheeraj Yalamanchili, MD, Cedars-Sinai Medical Center

1:32 pm – 1:36 pm  Effect Of Organ Transplantation On Operative Outcomes In Hip Fractures
Bejan A. Alvandi, BS, Keck School of Medicine of the University of Southern California

1:36 pm – 1:40 pm  Discussion

1:40 pm – 2:40 pm  Scientific E-Poster Session (Presenters are available to answer questions.)

2:40 pm – 4:00 pm  Multimedia Education Session

Friday, August 3

6:00 am – 7:00 am  Scientific E-Poster Session (Presenters are available to answer questions.)

6:55 am – 7:00 am  Announcements
Jeffrey E. Krygier, MD, Program Chair

Symposium 3 – Adult Reconstruction: Why Knees Fail – Tips and Tricks to Avoid and Manage Complications

Moderator: William J. Maloney, MD, Stanford University School of Medicine

7:00 am – 7:02 am
Introduction – Current Problems and Why TKA’s Fail Today
William J. Maloney, MD, Stanford University School of Medicine

7:02 am – 7:12 am
Wound Drainage and the Infected Knee
Jay R. Lieberman, MD, Keck School of Medicine of the University of Southern California

7:12 am – 7:22 am
The Unstable Knee
Derek F. Amanatullah MD, PhD, Stanford University School of Medicine

7:22 am – 7:32 am
The Stiff Total Knee
William J. Maloney, MD, Stanford University School of Medicine

7:32 am – 7:42 am
Robotics and Total Knee Replacement – Has the Time Come?
Russell G. Cohen, MD, Tucson Orthopaedic Institute

7:42 am – 7:50 am
Cases and Questions

7:50 am – 8:20 am
Focused Brunch Presentation

Rapid Fire Sessions 3A – Pediatrics

Moderators: TBD

8:25 am – 8:29 am
Outcomes of Meniscus Repairs in Children and Adolescent
Shawn Nguyen, DO, Riverside University of Health Sciences

8:29 am – 8:33 am
Weight-Bearing Osteochondritis Dissecans Lesions of the Knee: 2-year Follow-Up Analysis
Liang Zhou, MD, Tripler Army Medical Center

8:33 am – 8:37 am
Growth Arrest after Transphyseal ACL Reconstruction in Skeletally Immature Adolescents
Thomas Melton, MD, Madigan Army Medical Center

8:37 am – 8:41 am
A Patellar Advancement Techniques in Children with Patella Alta and Cerebral Palsy
Jason Rhodes, MD, Children's Hospital Colorado

8:41 am – 8:45 am
Discussion
8:45 am – 8:49 am  
Single versus Two Incision Technique for Treatment of Neuromuscular Hip Dysplasia  
*Sara Van Nortwick, MD, Stanford University*

8:49 am – 8:53 am  
Effects of Calcaneal Lengthening Osteotomy on Foot Progression Angle in Children with Cerebral Palsy  
*Ryan Davenport, BS, University of Colorado School of Medicine*

8:53 am – 8:57 am  
Pediatric Dual X-Ray Absorptiometry (DXA) Scores Poorly Correlate with Vertebral Fractures  
*Sara Van Nortwick, MD, Stanford University*

8:57 am – 9:01 am  
Are Hybrid Constructs an Effective Solution for AIS Patients?  
*Eric Rebich, DO, Riverside University Health System*

9:01 am – 9:05 am  
Discussion

**Rapid Fire Sessions 3B – Foot & Ankle/Ankle injuries**

**Moderators:**  TBD

8:25 am – 8:29 am  
The Incidence of Plafond Impaction in Pronation-Abduction Ankle Fractures and the Role of Computed Tomography in Diagnosis and Surgical Planning  
*Ram Alluri, MD, Keck School of Medicine at the University of Southern California*

8:29 am – 8:33 am  
Ankle Fractures: Ottawa Ankle Rules Need Geriatric Modifier  
*Dave Weiner, MD, Union Memorial Hospital*

8:33 am – 8:37 am  
Predicting Risk of Complications in Diabetic Patients with Ankle Fractures  
*Robin Dunn, MD, University of Colorado*

8:37 am – 8:41 am  
Quality and Utility of Immediate PACU Radiographs After Ankle Fractures  
*Tony Pedri, MD, University of New Mexico*

8:41 am – 8:45 am  
Discussion

8:45 am – 8:49 am  
Tibiotalar Pressure Mechanics After Instrumentation with Screws Vs. Suspensory Fixation  
*Eric Pang, MD, Stanford University*

8:49 am – 8:53 am  
Cost-Effectiveness of Screw Versus Suture Button Fixation in Syndesmotic Injuries
Duncan Ramsey, MD, MPH, Oregon Health and Science University

8:53 am – 8:57 am          Open Visualization vs Palpation for Reduction of the Syndesmosis
                    Eric Pang, MD, Stanford University

8:57 am – 9:01 am          Evaluating Current Treatment Strategies for Syndesmosis Injuries in Athletes
                    Michael Reiter, MD, University of Colorado School of Medicine

9:01 am – 9:05 am          Discussion

Rapid Fire Sessions 3C – Sports Medicine
Moderators: TBD

8:25 am – 8:29 am          Functional Outcomes of Rotator Cuff Repairs in Patients in Patients Over 75 Years Old
                    Daniel Brereton, DO, Riverside University Health System

8:29 am – 8:33 am          Biceps Tendon Tenodesis without Tenotomy: A Means of Augmenting Repair of Massive Rotator Cuff Tears
                    Steven Barad, MD, Methodist Hospital

8:33 am – 8:37 am          Effect of Prior Bariatric and Transplant Surgery on Rotator Cuff Tears
                    Anthony Essilfie, MD, University of Southern California

8:37 am – 8:41 am          Clinical and Radiographic Outcomes of a Novel Acromioclavicular-Coracoclavicular (AC/CC) Reconstruction
                    Joseph Cooper, MD, Keck School of Medicine at University of Southern California

8:41 am – 8:45 am          Discussion

8:45 am – 8:49 am          Is Arthroscopy at Time of Medial Patellofemoral Ligament Reconstruction Necessary?
                    Christopher Shultz, MD, University of New Mexico

8:49 am – 8:53 am          Risk Factors for Early Revision Anterior Cruciate Ligament Reconstruction
                    Matthew Gallo, BA, Keck School of Medicine of the University of Southern California

8:53 am – 8:57 am          Validation of PROMIS Computer Adaptive Testing for Multi-Ligament Knee Reconstruction
Shane Korber, BS, Keck School of Medicine of the University of Southern California

8:57 am – 9:01 am
Are Orthopaedic Surgeons Performing Fewer Arthroscopic Partial Meniscectomies in Patients Greater Than 50 Years Old? A National Database Study
Hyunwoo Kang, MD, Keck School of Medicine of the University of Southern California

9:01 am – 9:05 am
Discussion

Rapid Fire Sessions 3D – Trauma
Moderators: TBD

8:25 am – 8:29 am
The Super Elderly (≥80 years old) Do Not Have Higher Inpatient Morbidity Than Young Geriatric (65-79 years old) Pelvic Insufficiency Fractures
Sean Rajaee, MD, Cedars-Sinai Medical Center

8:29 am – 8:33 am
Retrospective Examination of Tension Band Plate Fixation in Transverse and Comminuted Patella Fractures
Sean Mitchell, MD, University of Arizona College of Medicine Phoenix

8:33 am – 8:37 am
Patient-Reported Outcomes After Pelvic and Acetabular Fractures: A Preliminary Study
Conor Kleweno, MD, Harborview Medical Center

8:37 am – 8:41 am
Location of Pelvic Ballistic Fracture and Associated Visceral Injuries
Mary Kate Erdman, MD, University of Southern California

8:41 am – 8:45 am
Discussion

8:45 am – 8:49 am
Current Drug and Alcohol Use in Orthopedic Trauma Patients
D'Ann Arthur, MD, Harbor-University of California Los Angeles Medical Center

8:49 am – 8:53 am
Surgical Delay Increases the Rate of 30 Day Complications and Mortality in Femoral Shaft Fractures
Robert Walker, MD, University of Arizona College of Medicine

8:53 am – 8:57 am
Prophylactic Fixation of Osteoporotic Hip Fractures
Daniel Brereton, DO, Riverside University Health System
8:57 am – 9:01 am Outcomes of Femoral Head Fractures Associated with Traumatic Hip Dislocations
Michael Del Core, MD, University of Texas Southwestern Medical Center

9:01 am – 9:05 am Discussion

Concurrent Allied Health Session 3 – Radiology
Moderator: Theodore W. Coates, PA-C, University of California, Davis

8:25 am – 9:25 am Imaging of the Wrist and Hand
Andrew Sonin, MD, FACP, Radiology Imaging Associates, PC

9:05 am – 9:25 am Break – Please visit Exhibits

General Session 3 – AAOS Report & Presidential Guest Speaker
Moderator: Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine

9:25 am – 9:40 am AAOS Report
David A. Halsey, MD, President

9:40 am – 9:45 am Introduction of Presidential Guest Speaker
Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine

9:45 am – 10:35 am Presidential Guest Speaker
Succeeding in the Brave New/Old World: Facts are Stubborn Things!
Nathan S. Kaufman, Kaufman Strategic Advisors

10:35 am – 10:55 am Break – Please visit Exhibits

Symposium 4 – Orthopaedic Business
Moderator: Michael J. McCaslin, CPA, Somerset CPA and Advisors

10:55 am – 11:10 am Orthopedic Business in 2018
Michael J. McCaslin, CPA, Somerset CPAs and Advisors

11:10 am – 11:25 am Advanced Payment Models and Hospital Relations
Nathan S. Kaufman, Kaufman Strategic Advisors

11:25 am – 11:40 am Orthopedic Urgent Cares
Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine

11:40 am – 11:45 am Discussion
11:45 am – 12:15 pm  
**Focused Lunch Presentation**

**General Session 4 – WOF Report & Western Orthopaedic Foundation Named Grants**  
**Moderator:** TBD

12:15 pm – 12:25 pm  
**WOF Report**  
*Robert R. Slater, Jr., MD, Folsom, CA*

12:25 pm – 12:31 pm  
**WOF Robert R. Slater, Jr., MD Travel Grant**  
Complications in Computer Navigated vs Conventional Total Hip Arthroplasty  
*Blake Montgomery, MD, Stanford University*

12:31 pm – 12:37 pm  
**WOF Brian A. Jewett, MD Travel Grant**  
Application of Patient-Reported Outcome Measurement Information System in Elite Athletes  
*Jesse Roberts, MD, University of Colorado*

12:37 pm – 12:43 pm  
**WOF Jeffrey E. Krygier, MD Travel Grant**  
A Preoperative Score for Predicting 30-Day Readmission after Elective 1-2 Level Posterior Lumbar Spinal Fusion  
*Deeptee Jain, MD, University of California, San Francisco*

12:43 pm – 12:49 pm  
**WOF Jeffrey M. Nakano, MD Travel Grant**  
Efficacy of a Team-Based Approach to Improving Antibiotic Administration in Open Fractures  
*Alvin Shieh, MD, University of California Davis*

12:49 pm – 1:01 pm  
**WOF Paul C. Collins, MD Travel Grant**  
The Influence of an Unexpected Gift on Patient Satisfaction  
*Allison Roe, MD, Stanford University*

1:01 pm – 1:07 pm  
**WOF Basil R. Besh, MD Travel Grant**  
Timing Of Lumbar Spinal Fusion Impacts Total Hip Arthroplasty Outcomes  
*Abiram Bala, MD, Stanford University*

1:07 pm – 1:13 pm  
**WOF Named Travel Grant**  
Smoking and Total Hip Arthroplasty in 2014: Increased Complications and Costs
Eytan Debbi, MD, PhD, Cedars Sinai Medical Center

1:13 pm – 1:20 pm Discussion

Rapid Fire Sessions 4A – Basic Science
Moderators: TBD

1:25 pm – 1:29 pm Local Delivery of Supplemental Agrin Prevents Motor Endplate Degradation
Winnie Palispis, MD, University of California, Irvine

1:29 pm – 1:33 pm hES-Pericyte Conditioned Media Rescue Myotube Atrophy In Vitro
Regina Husman, BS, David Geffen School of Medicine at University of California Los Angeles

1:33 pm – 1:37 pm Differentially Expressed Micro-RNA in Rotator Cuff Tendinopathy Using RNA-Sequencing
Kimberly Hall, MD, Stanford Hospital and Clinics

1:37 pm – 1:41 pm Accuracy of 3D Printed Bone Models Using Open Source Software
Trevor Shelton, MD, MS, University of California, Davis

1:41 pm – 1:45 pm Discussion

1:45 pm – 1:49 pm Anti-Inflammatory Peptide Enhances New Bone Formation and Reduces Inflammation in Rhbmp-2-Mediated Spine Fusion
Phillip Behrens, MD, Cedars-Sinai Medical Center

1:49 pm – 1:53 pm Characterization of Stable and Endochondral Human Articular Cartilage Progenitor Cells
Phillip Lam, BS, Oregon Health & Science University

1:53 pm – 1:57 pm Mouse Spine Implant Infection Model: Fluorescent Probe Detects Multiple Bacteria
Gideon Blumstein, MD, MS, University of California Los Angeles

1:57 pm – 2:01 pm “Smart” Pedicle Probe for Residency Motor Skills Evaluation & Training
Christina Salas, PhD, University of New Mexico

2:01 pm – 2:05 pm Discussion

2:05 pm – 2:09 pm Masquelet Model to Evaluate Engineered Induced Membranes for Bone Healing
Malcolm DeBaun, MD, Stanford University

2:09 pm – 2:13 pm  Toward Translational Treatments: A Novel Model of Revision Arthroplasty
Zachary D.C. Burke, MD, David Geffen School of Medicine at University of California Los Angeles

2:13 pm – 2:17 pm  Single-stage Revision with Tobramycin-loaded Polymethylmethacrylate is Ineffective in Periprosthetic Infection Model
Zachary D.C. Burke, MD, David Geffen School of Medicine at University of California Los Angeles

2:17 pm – 2:21 pm  Greater Muscle Degeneration in Aged Mice After Rotator Cuff Injury
Abhinav Sharma, BS, David Geffen School of Medicine at University of California Los Angeles

2:21 pm – 2:25 pm  Discussion

Rapid Fire Sessions 4B – Sports Medicine
Moderators:  TBD

1:25 pm – 1:29 pm  Fixed-versus Adjustable-Loop Devices for ACLR: A Systematic Review and Meta-Analysis
Darby A. Houck, BA, University of Colorado School of Medicine

1:29 pm – 1:33 pm  New Biomechanical Testing Standards for Adjustable Femoral Cortical Suspension Devices
Alexander Peterson, MD, Tibor Rubin Long Beach VA Medical Center

1:33 pm – 1:37 pm  Estimating the Length of Semitendinosus and Gracilis Tendons by MRI
Ali Qadeer, MD, Baylor College of Medicine

1:37 pm – 1:41 pm  ACL and ATSF Injury Epidemiology and Risk Factors in Skiers
Benjamin Albertson, MD, University of New Mexico

1:41 pm – 1:45 pm  Discussion

1:45 pm – 1:49 pm  Supplementation of Vitamin D in Division I NCAA Athletes
Shane Korber, BS, Keck School of Medicine of the University of Southern California
1:49 pm – 1:53 pm  Early Return from Concussion Associated with Increased Injury in Athletes
Garrett Harada, BA, David Geffen School of Medicine at University of California Los Angeles

1:53 pm – 1:57 pm  The Epidemiology of Concussions in a NCAA Division I Female Soccer Team
Santano Rosario, BA, Keck School of Medicine at the University of Southern California

1:57 pm – 2:01 pm  Effect of Artificial Turf VS. Natural Grass on Knee Injuries in NCAA Football: 10 Year Report
Galvin Loughran, BS, Georgetown University School of Medicine

2:01 pm – 2:05 pm  Discussion

2:05 pm – 2:09 pm  Division I Collegiate Athletes Have a High Return-to-Sport Rate Following Hip Arthroscopy for Femoroacetabular Impingement Syndrome
Haley Nakata, BS, Keck School of Medicine at the University of Southern California

2:09 pm – 2:13 pm  Factors Determining Safe Return to Driving After Hip Arthroscopy
Mika De Coster, BS, Keck School of Medicine of the University of Southern California

2:13 pm – 2:17 pm  Incidence and Management of Heterotopic Ossification Following Arthroscopic Hip Surgery
Michael Huang, MD, Colorado Springs Orthopaedic Group

2:17 pm – 2:21 pm  Hip Arthroscopy in Older Patients: Is it Worth it?
Michael Muldoon, MD, Hip Preservation Center of Excellence

2:21 pm – 2:25 pm  Discussion

Rapid Fire Sessions 4C – Trauma
Moderators: TBD

1:25 pm – 1:29 pm  Which Trauma Patients Need Psychiatry Consultation?: A Pilot Survey Study
Sean Campbell, MD, Stanford University

1:29 pm – 1:33 pm  Blade Plating of High-energy Proximal Femur Fractures Results in Union and Minimal Complications
Matthew Weldon, MD, University of Texas at Houston
1:33 pm – 1:37 pm  Does Screw Location Affect the Risk of Subtrochanteric Femur Fracture After Femoral Neck Fixation?  
*Maria Crump, MD, Naval Medical Center San Diego*

1:37 pm – 1:41 pm  Are Piriformis Reconstruction Nails Ideal for Prophylactic Femoral Neck Fixation?  
*Alvin Shieh, MD, University of California Davis*

1:41 pm – 1:45 pm  Discussion

1:45 pm – 1:49 pm  Management of Aseptic Pertrochanteric Femoral Fracture Nonunions  
*Michael Duran, MD, University of Arizona College of Medicine*

1:49 pm – 1:53 pm  Healing the Index Humeral Nonunion Surgery  
*Donald Wiss, MD, Cedars Sinai Medical Center*

1:53 pm – 1:57 pm  Cost of Fracture Non-Unions: a NIS Analysis  
*Hanne Gehling, BS, Providence Orthopedic Institute*

1:57 pm – 2:01 pm  Clavicle Nonunions: Plate and Graft Type Do Not Effect Healing Rates  
*Donald Wiss, MD, Cedars Sinai Medical Center*

2:01 pm – 2:05 pm  Discussion

2:05 pm – 2:09 pm  Regional Anesthesia Decreases Length of Stay in Tibial Shaft Fractures  
*Ryan DiGiovanni, MD, Banner University Medical Center*

2:09 pm – 2:13 pm  Outcomes and Complications of SIGN Intramedullary Nailing of the Tibia  
*Nikolas Baksh, MD, Oregon Health & Science University*

2:13 pm – 2:17 pm  Flexed versus Semi-extended Positioning for Tibial Nailing: Changing Practice Patterns  
*Lawrence Goodnough, MD, PhD, Stanford University*

2:17 pm – 2:21 pm  Infection Rates of Low-Velocity Gunshot Femur Fractures Treated Without Debridement  
*Jessica Bear, MD, Hospital for Special Surgery*

2:21 pm – 2:25 pm  Discussion

**Rapid Fire Sessions 4D – Total Joint**
Moderators: TBD

1:25 pm – 1:29 pm
Insurance Status Predicts Morbidity, Mortality, and Cost in Revision Total Joint Arthroplasty
Blake Eyberg, MD, University of Arizona College of Medicine

1:29 pm – 1:33 pm
Use of a 2D/3D Registration Method to Evaluate the Psoas Impingement in Total Hip Arthroplasty
Ahmad Faizan, PhD, Mahwah, NJ

1:33 pm – 1:37 pm
Mortality During Total Hip Periprosthetic Joint Infection: A Meta-Analysis
Zachary Lum, DO, University of California, Davis

1:37 pm – 1:41 pm
Immediate Impact of Tranexamic Acid in Blood Conservation in Primary Total Joint Replacement
Alexander Sah, MD, Institute for Joint Restoration

1:41 pm – 1:45 pm
Discussion

1:45 pm – 1:49 pm
A Comparison of Traumatic Hip Fracture & Primary Elective Total Hip Patients: Comorbidity Burden, Hospital Course, Postoperative Complications and Cost of Care Analysis
Sean Mitchell, MD, University of Arizona College of Medicine Phoenix

1:49 pm – 1:53 pm
Same Day Total Hip Arthroplasty at an Ambulatory Surgical Center vs. a Hospital: Similar Results at Lower Cost
Hanne Gehling, BS, Providence Orthopedic Institute

1:53 pm – 1:57 pm
Isolated Greater Trochanteric Fracture and the Direct Anterior Approach Using a Fracture Table
Bradley Graw, MD, Palo Alto Medical Foundation

1:57 pm – 2:01 pm
An In-Vitro Comparative Assessment of Acetabular Cup Removal Systems
Louis Kwong, MD, Harbor-University of California Los Angeles Medical Center

2:01 pm – 2:05 pm
Discussion

2:05 pm – 2:09 pm
Mortality During Total Knee Periprosthetic Joint Infection: A Meta Analysis
Zachary Lum, DO, University of California, Davis
2:09 pm – 2:13 pm  Conversion Rates and Timing to Total Knee Arthroplasty Following ACL Reconstruction: A United States Population-Based Study  
*Jacob Bobman, MD, Keck School of Medicine at the University of Southern California*

2:13 pm – 2:17 pm  Bilateral Simultaneous Versus Staged Total Knee Arthroplasty: Minimal Perioperative Risk-Differences  
*Ellen Tsay, BS, MS, University of California, San Francisco*

2:17 pm – 2:21 pm  Distal Femur Locking Plates Fit Poorly After Total Knee Arthroplasty  
*Sean Campbell, MD, Stanford University*

2:21 pm – 2:25 pm  Discussion

2:25 pm – 3:25 pm  Scientific E-Poster Tour  
**Moderators:** Jeffrey E. Krygier, MD, *Santa Clara Valley Medical Center*  
Julius A. Bishop, MD, *Stanford HealthCare*

3:25 pm – 4:25 pm  Multimedia Education Session

**Saturday, August 4**

5:40 am – 6:40 am  Scientific E-Poster Session (Presenters are available to answer questions.)

6:40 am – 6:45 am  Announcements  
*Jeffrey E. Krygier, MD, Program Chair*

6:45 am – 7:00 am  Second Business Meeting

**General Session 5 – WOF Resident Awards**  
**Moderator:** Jeffrey E. Krygier, MD, *Santa Clara Valley Medical Center*

7:00 am – 7:06 am  Influence of Capsular Laxity and Labral Integrity on Hip Stability  
*Adam Johannsen, MD, Stanford University*

7:06 am – 7:12 am  C1-C3 Construct with Short C2 Pedicle Screws versus Goel-Harms Fixation  
*Young Lu, MD, University of California, Irvine*

7:12 am – 7:18 am  When is an Orthopaedic Intern Ready to Take Call?
7:18 am – 7:24 am  Comparing AHD Between MRI and X-Ray in Massive Cuff Tears
*Steven Donohoe, MD, Keck School of Medicine of the University of Southern California*

7:24 am – 7:30 am  Innervation of the Subscapularis: An Anatomical Study
*Brian Sager, MD, University of Texas Southwestern*

7:30 am – 7:36 am  Pre-Operative CT Can Predict Post-Operative Shortening of Extra-Capsular Hip Fractures
*Garin Hecht, MD, Harborview Medical Center*

7:36 am – 7:42 am  Intramedullary Nailing Versus Lateral Locked Plating for Distal Femur Fractures
*K. Chandra Vemulapalli, MD, University of Texas Health McGovern Medical School*

7:42 am – 7:50 am  Discussion

**Symposium 5 – Trauma**

**Moderator:**  Timothy S. Achor, MD, *Memorial Hermann Texas Medical Center*

7:50 am – 8:02 am  How to Avoid Non-Unions
*Alexandra K. Schwartz, MD, University of California, San Diego*

8:02 am – 8:14 am  Healthcare Finance and Trauma Coding
*Peter L. Althausen MD, MBA, Reno Orthopedic Clinic*

8:14 am – 8:26 am  Humeral Shaft Fractures: What’s Current? What’s Controversial?
*Clifford B. Jones, MD, The CORE Institute*

8:26 am – 8:36 am  Case Discussion

8:36 am – 08:40 am  Discussion

8:40 am – 9:10 am  **Focused Brunch Presentation**

**Rapid Fire Sessions 5A – Tumor**

**Moderators:**  Chaffy (full name and institution)  
Bryan S. Moon, MD, *MD Anderson Cancer Center*

9:15 am – 9:19 am  Distal Femoral Compressive Osseointegration Endoprostheses: A Minimum Ten-Year Follow-Up Study
Kara Tanaka, MFA, University of California, San Francisco

9:19 am – 9:23 am  Compress Mechanical Failure Assessment Using Radiographic Parameter Driven Decision Tree
Lindsay Parlee, BS, Med, Oregon Health and Science University

9:23 am – 9:27 am  Vascularized Fibula Grafting in the Operative Treatment of Bone Tumors
Mark Landau, PhD, Keck School of Medicine of the University of Southern California

9:27 am – 9:31 am  Incidence of Amputees Who Could Benefit From an Osseointegrated Prosthesis
Melissa Zimel, MD, University of California, San Francisco

9:31 am – 9:35 am  Discussion

9:35 am – 9:39 am  Outcomes of Reamer Irrigator Aspirator in Metastatic Femoral Intramedullary Nails
Alexandra Callan, MD, University of Texas Southwestern Medical Center

9: 39 am – 9:43 am  PROMIS Outcomes Following Surgical Intervention for Metastatic Bone Disease: Analysis of Early Enrollment in a Multicenter Cohort Study
Daniel Lerman, MD, Institute Limb Preservation, OrthoONE, Presbyterian/St. Luke's Medical Center

9:43 am – 9:47 am  Pattern of Radiation Referral After Femoral Stabilization in Metastatic Disease
Andrew Summers, BS, Oregon Health & Science University

9:47 am – 9:51 am  Host Immune Response in Undifferentiated Pleomorphic Sarcoma – 10-year Retrospective Analysis
Joey Sheridan, BS, University of California, San Francisco

9:51 am – 9:55 am  Discussion

Rapid Fire Sessions 5B – Upper Extremity/Shoulder
Moderators: Cheung (full name and institution)

9:15 am – 9:19 am  Utility for Radiographs in Diagnosing Hill-Sachs and Bankart Lesions: NO NEED Pre-Reduction Radiology
Dave Milzman, MD, George Washington School of Medicine
9:19 am – 9:23 am  Distal Tibial Allograft Glenoid Reconstruction for Recurrent Shoulder Instability  
*Sevag Bastian, MD, Kerlan-Jobe Orthopaedic Clinic*

9:23 am – 9:27 am  Intraoperative Clavicle Fracture Characterization and Radiographic Outcomes After Operative Fixation  
*Nicholas J. Drayer, MD, Madigan Army Medical Center*

9:27 am – 9:31 am  Effect of Pre-Operative Opioid Usage on Pain Following Arthroplasty  
*William Curtis, BS, Keck School of Medicine*

9:31 am – 9:35 am  Discussion

9:35 am – 9:39 am  Vascularized Dermal Autograft for the Treatment of Irreparable Rotator Cuff Tears  
*Michael Stone, MD, Keck School of Medicine at the University of Southern California*

9:39 am – 9:43 am  Latissimus Transfer With or Without SCR for Irreparable Cuff Tears  
*Sevag Bastian, MD, Kerlan-Jobe Orthopaedic Clinic*

9:43 am – 9:47 am  Patient Reported Outcomes at Various Stages of Shoulder Adhesive Capsulitis  
*Benjamin Schell, MD, University of Texas Southwestern Medical Center*

9:47 am – 9:51 am  Axillary and Radial Nerve Proximity to Latissimus Insertion: A Cadaveric Study  
*Stephen Gates, MD, University of Texas Southwestern*

9:51 am – 9:55 am  Discussion

**Rapid Fire Sessions 5C – Trauma Moderators:** TBD

9:15 am – 9:19 am  Percutaneous Transiliac-Transsacral Fixation of Sacral Insufficiency Fractures Improves Ambulation and Rate of Disposition to Home  
*J. Brock Walker, MD, University of Arizona College of Medicine*

9:19 am – 9:23 am  Superior Pubic Ramus Screw Fixation: Radiographic Assessment of Successful Medullary Screw Insertion  
*Brock Foster, MD, University of Southern California*
9:23 am – 9:27 am  Safety of Medullary Superior Pubic Ramus Screws
James Learned, MD, University of California Irvine Medical Center

9:27 am – 9:31 am  A Biomechanical Study of Three Methods of Fixing Acetabular Fractures
Weston Ryan, BS, University of Colorado Denver School of Medicine

9:31 am – 9:35 am  Discussion

9:35 am – 9:39 am  Restoring Condylar Width: Radiographic Relationship Between The Lateral Tibial Plateau And Lateral Femoral Condyle In Normal Adult Knees
Nima Kabirian, MD, University of Southern California

9:39 am – 9:43 am  Lateral Articular Involvement in Tibial Plateau Schatzker Type IV Fractures
Mary Kate Erdman, MD, University of Southern California

9:43 am – 9:47 am  Heterotopic Ossification About the Knee in Floating Knee Injuries
Trevor Shelton, MD, MS, University of California, Davis

9:47 am – 9:51 am  Evaluation of Lateral C-Arm Drape Contamination During Lower Extremity Fracture Surgery: A Prospective Pilot Study
Erin Haggerty, MD, Cedars Sinai Medical Center

9:51 am – 9:55 am  Discussion

**Rapid Fire Sessions 5D – Sports Medicine**
**Moderators: TBD**

9:15 am – 9:19 am  Fists of Fury But No fractures : Fighting in the National Hockey League
Aidan Neustadtyl, BS, Georgetown University

9:19 am – 9:23 am  Prevalence and Treatment of Humeral Head Avascular Necrosis in Transplant and Bariatric Surgery Patients: A Population-Based Study
Kavitha Thiagarajan, BA, Keck School of Medicine at the University of Southern California

9:23 am – 9:27 am  Characterization of Metal Debris From Refurbished Arthroscopic Shavers
9:27 am – 9:31 am  
Treatment Injections for Lateral Epicondylitis: A Systematic Review of Overlapping Meta-Analyses
*Darby A. Houck, BA, University of Colorado School of Medicine*

9:31 am – 9:35 am  
Discussion

9:35 am – 9:39 am  
Pediatric And Adolescent Injury In Rodeo: A Systematic Review
*Jason Stoneback, MD, University of Colorado School of Medicine*

9:39 am – 9:43 am  
Measurements of Femoroacetabular Impingement Reliable across Various Levels of Training
*Ryan Bickley, BA, Johns Hopkins University School of Medicine*

9:43 am – 9:47 am  
Evaluation of Preoperative Diagnostic and Treatment Costs Prior to Articular Cartilage Restoration Surgery
*Brenda Iglesias, BA, David Geffen School of Medicine at University of California Los Angeles & Charles Drew University of Medicine and Science*

9:47 am – 9:51 am  
Comparison of Injury Rate and Pattern of Collegiate Beach and Indoor Volleyball
*Alexis Rounds, BS, Keck School of Medicine at the University of Southern California*

9:51 am – 9:55 am  
Discussion

9:55 am – 10:20 am  
Break – Please visit Exhibits

**Symposium 6 – Foot and Ankle – Acute Injuries to the Foot and Ankle**

**Moderator:** Kenneth J. Hunt, MD, *University of Colorado School of Medicine*

10:20 am – 10:30 am  
Syndesmotic Injuries
*Daniel L. Moon, MD, University of Colorado School of Medicine*

10:30 am – 10:40 am  
Lateral Ankle Ligament Injuries
*Kenneth J. Hunt, MD, University of Colorado School of Medicine*

10:40 am – 10:50 am  
Achilles Tendon Injuries
*Douglas E. Lucas, DO, Centura Health Physician Group*

10:50 am – 11:00 am  
Backcountry Ankle Trauma
Christopher B. Hirose, MD, Saint Alphonsus Coughlin Foot and Ankle Clinic

11:00 am – 11:08 am   Case Discussion
11:08 am – 11:10 am   Questions

General Session 6 – Own the Bone, BOC Report & Presidential Address
Moderator:   Jeffrey E. Krygier, MD, Santa Clara Valley Medical Center

11:10 am – 11:20 am   Own the Bone
Fred C. Redfern, MD, Henderson, NV

11:20 am – 11:25 am   BOC Report
Bryan S. Moon, MD, MD Anderson Cancer Center

11:25 am – 11:40 am   Presidential Address
The WOA and YOU
Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine

Concurrent Allied Health Session 4 – Case Review
Moderator:   Theodore W. Coates, PA-C, University of California, Davis

11:15 am – 12:15 pm   Bring Your Cases to Discuss
Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine

Rapid Fire Session 6A – Foot & Ankle
Moderators:   TBD

11:45 am – 11:49 am   Short Term Complications in Geriatric Ankle Fractures Using a Protocolized Approach to Surgical Treatment
Gerard Chang, MD, Thomas Jefferson University Hospital

11:49 am – 11:53 am   Impact of Time to Surgery for Closed Supination External Rotation (OTA/AO 44-B) Ankle Fractures
Anthony Essilfie, MD, University of Southern California

11:53 am – 11:57 am   Examining Outcomes of Percutaneous Ankle Fixation in Diabetic Patients
Sean Mitchell, MD, University of Arizona College of Medicine Phoenix

11:57 am – 12:01 pm   Diagnostic Validation of Dynamic Ultrasound Evaluation of Supination-External Rotation Ankle Injuries
Cara Fisher, MS, University of North Texas Health Science Center

12:01 pm – 12:05 pm Discussion

12:05 pm – 12:09 pm Dual Purpose Use of FHL Tendon for Management of Chronic Achilles Ruptures
Mohammed Khalid, MD, University of Texas Medical Branch

12:09 pm – 12:13 pm All-Soft Suture Anchor Versus Suture Bridge Construct For Insertional Achilles Tendon Repairs
Eric Lakey, BS, University of Colorado School of Medicine

12:13 pm – 12:17 pm Achilles Sleeve Avulsions: Clinical Features Including Description of a New Radiographic Sign
Christopher Shultz, MD, University of New Mexico

12:17 pm – 12:21 pm Gender Differences on SF-36 Patient-Reported Outcomes of Diabetic Foot Disease
Michael Del Core, MD, University of Texas Southwestern Medical Center

12:21 pm – 12:25 pm Discussion

12:25 pm – 12:29 pm A Comparison of Calcaneal Osteotomies for Charcot-Marie-Tooth Varus Hindfoot Deformity
Tonya An, MD, MA, Cedars-Sinai

12:29 pm – 12:33 pm Radiological Assessment of Sesamoid Reduction after Chevron-Akin Double Osteotomy
Jie Chen, MD, MPH, University of Texas Medical Branch

12:33 pm – 12:37 pm Arthroscopic versus Open MTP Arthrodesis: A Biomechanical Comparison
Christopher Chen, MD, University of Colorado

12:37 pm – 12:41 pm The Influence of Percentile Weight Bearing on Foot Radiographs
Trevor Shelton, MD, MS, University of California, Davis

12:41 pm – 12:45 pm Discussion

**Rapid Fire Session 6B – Spine**
**Moderators:** Nitin N. Bhatia, MD, University of California, Irvine

11:45 am – 11:49 am Lumbar Subcutaneous Adipose to Spinous Process Depth Ratio as a Predictor for Surgical Complications
Kylie Shaw, BA, David Geffen School of Medicine at University of California Los Angeles

11:49 am – 11:53 am  Risk Factors for Readmission and Complications in Obese and Morbidly Obese Patients Undergoing Elective Posterior Spinal Fusion  
Deeptee Jain, MD, University of California, San Francisco

11:53 am – 11:57 am  Complications of Modified Single-incision Wiltse Approach to the Lumbar Spine  
Nikolas Baksh, MD, Oregon Health & Science University

11:57 am – 12:01 pm  A “Smart” Antimicrobial Implant Coating to Prevent Spinal Implant Infection  
Vishal Hegde, MD, University of California, Los Angeles

12:01 pm – 12:05 pm  Discussion

12:05 pm – 12:09 pm  Multimodal Analgesia and Narcotic Consumption In Elective Spinal Fusion Patients  
Max Haffner, BS, University of California, Davis

12:09 pm – 12:13 pm  Rapid Recovery Pathway for the Adolescent Idiopathic Scoliosis  
Eli Ahdoot, DO, Children's Hospital of Orange County

12:13 pm – 12:17 pm  Preemptive Opioid-Sparing Pain Protocol Decreases Hospital Stay in Scoliosis Patients  
Selina Poon, MD, Shriners for Children Medical Center, Pasadena

12:17 pm – 12:21 pm  Complications Associated with Temporary Internal Distraction in Severe Scoliosis  
Graham T. Fedorak, MD, Shriners Hospital for Children, Salt Lake City

12:21 pm – 12:25 pm  Discussion

12:25 pm – 12:29 pm  Outcomes After Spinal Fusion in Patients with Obstructive Sleep Apnea  
Charles Lin, BSE, University of California, Irvine

12:29 pm – 12:33 pm  Surgical Intervention for Cauda Equina in the Second and Third Trimesters of Pregnancy: A Case Series  
Nicole Look, MD, University of Colorado Anschutz Medical Center
12:33 pm – 12:37 pm  Insurance and Employment Affect the Presence of Waddell Signs  
Stephanie Radoslovich, BA, Oregon Health & Science University

12:37 pm – 12:41 pm  Construct Validity of the Fundamentals of Spinal Surgery (FOSS) Simulator  
Winnie Palispis, MD, University of California, Irvine

12:41 pm – 12:45 pm  Discussion

**Rapid Fire Session 6C – Trauma**

**Moderators:** TBD

11:45 am – 11:49 am  Greater Trochanteric Fractures with Intertrochanteric Extension: What is the Rate of Displacement?  
William Kent, MD, University of California, San Diego

11:49 am – 11:53 am  Kinematic Analysis of Sagittal Plane Stability of Delta Frame External Fixation  
Addison Wood, DO, PhD, John Peter Smith Hospital

11:53 am – 11:57 am  Current Trends in the Management of Flail Chest  
J. Brock Walker, MD, University of Arizona College of Medicine

11:57 am – 12:01 pm  Diagnosis of Traumatic Shoulder Arthrotomies using Saline Load Test with Intra-Articular Pressure Monitoring  
Matthew Belton, MD, University of Colorado School of Medicine

12:01 pm – 12:05 pm  Discussion

12:05 pm – 12:09 pm  Orthopaedic Trauma Quality Measures for Value Based Healthcare Delivery  
Malcolm DeBaun, MD, Stanford University

12:09 pm – 12:13 pm  Surgical and Functional Outcomes of Patella Fractures Treated with Plate Osteosynthesis  
Hayley Jansson, MD, Harbor-University of California Los Angeles Medical Center

12:13 pm – 12:17 pm  VTE Occurrences in Pelvic & Lower Extremity Trauma Despite Modern Prophylactic Protocols  
Sean Mitchell, MD, University of Arizona College of Medicine Phoenix

12:17 pm – 12:21 pm  Prolonged Opioid Use Following Geriatric Hip Fracture Surgery  
John Garlich, MD, Cedars Sinai Medical Center
12:21 pm – 12:25 pm  Discussion

12:25 pm – 12:29 pm  Dramatically Increased Rate of Mortality Associated with Atypical Hip Fractures
  Robert Walker, MD, University of Arizona College of Medicine

12:29 pm – 12:33 pm  Current Trends in Postoperative Opioid Prescriptions after Ankle Fracture Surgery
  Michael Chen, MD, Stanford University

12:33 pm – 12:37 pm  Early Post-Operative Radiographs Have No Effect On Patient Satisfaction
  Blake Schultz, MD, Stanford University

12:37 pm – 12:41 pm  X-Ray Does Not Adequately Assess Intertrochanteric Fracture Lateral Wall Morphology
  Garin Hecht, MD, Harborview Medical Center

12:41 pm – 12:45 pm  Discussion

Rapid Fire Session 6D – Upper Extremity/Shoulder & Elbow
Moderators: TBD

11:45 am – 11:49 am  Short-Term Outcomes of Outpatient Total Shoulder Arthroplasty Protocol
  Richard Auran, MD, University of Arizona College of Medicine - Phoenix

11:49 am – 11:53 am  Socioeconomic and Ethnic Disparities in Pain Following Total Shoulder Arthroplasty
  Alexis Rounds, BS, Keck School of Medicine at the University of Southern California

11:53 am – 11:57 am  Patient Specific Planning in Shoulder Arthroplasty: Bending the Learning Curve
  Henry Fox, MA, Oregon Health & Science University

11:57 am – 12:01 pm  Smoking as a Risk Factor for Complications Following Shoulder Arthroplasty: A Population-Based Study
  Jae Kim, MA, Keck School of Medicine of the University of Southern California

12:01 pm – 12:05 pm  Discussion

12:05 pm – 12:09 pm  90-Day Complication Rate following Shoulder Arthroplasty in a Veteran Population
Farhad Darbandi, MD, University of Arizona

12:09 pm – 12:13 pm            Complication of Reverse Shoulder Arthroplasty for Proximal Humerus Fracture
*Farhad Darbandi, MD, University of Arizona*

Santano Rosario, BA, Keck School of Medicine at the University of Southern California

12:13 pm – 12:17 pm            Hypoalbuminemia is a Risk Factor for Both Complications and Readmissions after Open Reduction and Internal Fixation of Proximal Humerus Fractures
*Jonathan Cheah, MD, University of California, San Francisco*

12:17 pm – 12:21 pm            Survivorship of Proximal Humerus Fracture Initial Management
*Alexis Rounds, BS, Keck School of Medicine at the University of Southern California*

12:21 pm – 12:25 pm            Discussion

12:25 pm – 12:29 pm            Trends of Initial Management Following Proximal Humerus Fracture
*Santano Rosario, BA, Keck School of Medicine at the University of Southern California*

12:29 pm – 12:33 pm            Outpatient Total Elbow Arthroplasty: 90-Day Outcomes
*Michael Stone, MD, Keck School of Medicine at the University of Southern California*

12:33 pm – 12:37 pm            Ipsilateral Capitellum and Lesser Sigmoid Notch Predict Radial Head Size
*Brett Schiffman, MD, University of Washington*

12:37 pm – 12:41 pm            Stress Shielding in Partial Grit-Blasted Prosthetic Radial Heads
*Hithem Rahmi, DO, Geisinger Musculoskeletal Institute*

12:41 pm – 12:45 pm            Discussion

General Session 7 – Abstract Presentations
Moderator: TBD

12:50 pm – 12:56 pm            Limb Length Discrepancy and Walking Performance in Hemiplegic Cerebral Palsy
*Jason Rhodes, MD, Children's Hospital Colorado*

12:56 pm – 1:02 pm             An MRI Study of Neurovascular Bundle to Popliteus Tendon Distance
*Kendall Shifflett, BS, Orthopaedic Institute for Children*
1:02 pm – 1:08 pm  3D Printed Scaffolds and Regional Gene Therapy for Bone Repair
   Ram Alluri, MD, Keck School of Medicine at the University of Southern California

1:08 pm – 1:14 pm  Does Day of the Week of Surgery Affect Time to Discharge?
   Kali Tileston, MD, Stanford University

1:14 pm – 1:20 pm  Should We Repair Extensor Tendon Lacerations >50% of Tendon Width?
   Christina Salas, PhD, University of New Mexico

1:20 pm – 1:26 pm  Injections Prior to Rotator Cuff Repair Increase Revision Rotator Cuff Repair Rates
   Alexander Weber, MD, Keck School of Medicine at the University of Southern California

1:26 pm – 1:30 pm  Discussion

1:30 pm – 1:35 pm  Farewell

Tumor Answer Session
Moderators:  Jeffrey E. Krygier, MD, Santa Clara Valley Medical Center
             Brian S. Moon, MD, UT-MD Anderson Cancer Center

1:35 pm – 2:00 pm  Questions & Discussion

2:00 pm – 3:00 pm  Multimedia Education Session