Thursday, September 29

6:00 am – 6:45 am  Scientific E-Poster Session (Esmeralda Ballrooms 1,2,3 & Pre-function 6-8) (Presenters will be available to answer questions.)

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

7:00 am – 7:05 am  Welcome and Announcements
   John R. Tongue, MD, President
   Robert A. Hart, MD, Program Chair

General Session 1 – Foot & Ankle/Pediatrics
Moderators:  James Meeker, MD, Oregon Health & Science University, Portland, OR
            Ronald J. Turker, MD, Kaiser Permanente Sunnybrook, Portland, OR

7:05 am – 7:11 am  Early Versus Delayed Weightbearing After Microfracture For Talar Osteochondral Lesions
   J. Banks Deal Jr., MD, Tripler Army Medical Center, Honolulu, HI

7:11 am – 7:17 am  The Role of Computed Tomography in Supination-Adduction Ankle Fractures
   Ram K. Alluri, MD, Keck School of Medicine at University of Southern California, Los Angeles, CA

7:17 am – 7:23 am  Radiographic Assessment Of Fibular Length Variance
   Barkha Gurbani, MPH, MD, University of Texas Medical Branch, Galveston, TX

7:23 am – 7:29 am  Standardized Electronic Medical Record Note Templates Lead To Earlier Documentation Of Neurologic Injuries In Pediatric Patients With Supracondylar Humerus Fractures
   Ryan P. Farmer, MD, MSc, Children's Hospital Colorado, Aurora, CO

7:29 am – 7:35 am  Postoperative Pain Control In Pediatric Scoliosis Patients
   Hilda H. Kriel, MD, University of Texas Medical Branch, Galveston, TX
7:35 am – 7:41 am  Temporal Characteristics Of Meniscal Tears In Adolescents Undergoing ACL Reconstruction  
*Stephen D. Zoller, MD, University of California, Los Angeles, Los Angeles, CA*

7:41 am – 7:50 am  Discussion

**Symposium 1 – Pediatric Sports Injuries**  
**Moderator:** Jeremy P. Bauer, MD, *Shriners Hospital for Children, Portland, OR*

7:50 am – 8:05 am  Pediatric Sports Shoulder Injuries  
*Eric W. Edmonds, MD, Rady’s Children’s Hospital, San Diego, CA*

8:05 am – 8:20 am  Pediatric Knee OCD  
*John D. Polousky, MD, Rocky Mountain Youth Sports Medicine Institute, Centennial, CO*

8:20 am – 8:35 am  Pediatric Patellar Instability  
*Ronald J. Turker, MD, Kaiser Permanente Sunnybrook, Portland, OR*

8:35 am – 8:40 am  Discussion

**8:40 am – 9:00 am**  
*Break – Please visit Exhibits (Esmeralda Ballrooms 5, 6, 7 & 8)*

**General Session 2: Total Hip**  
**Moderators:** William C. McMaster, MD, *UCI Medical Center Orthopaedics, Orange, CA*  
*Kathryn Schabel, MD, Oregon Health and Sciences University, Portland, OR*

9:00 am – 9:06 am  Prophylactic Antibiotic Impregnated Calcium Sulfate Beads In High Risk Hip And Knee Arthroplasty  
*Adam Sassoon, MD, MS, University of Washington, Seattle, WA*

9:06 am – 9:12 am  Fate Of Serum Cobalt Following Revision Of A Recalled Dual Modularity Femoral Component  
*Russell Cohen, MD, Tucson Orthopedic Institute, Tucson, AZ*

9:12 am – 9:18 am  Efficacy Of Intra-Articular Hip Injections And Subsequent Surgery  
*Wilson Lai, BS, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA*

9:18 am – 9:24 am  Spinopelvic Mobility On Late Dislocations In Total Hip Arthroplasty
9:24 am – 9:30 am Discussion

Concurrent PA Session 1 – Pediatric Fractures (Esmeralda Boardroom)
Moderator: Jason S. Salden, PA-C, Slocum Orthopedics, Eugene, OR
9:00 am – 10:03 am Staying Out of Trouble and When to Refer
Daniel Fitzpatrick, MD, Slocum Orthopedics, Eugene, OR

Rapid Fire Session 3A – Total Hip (Esmeralda Ballroom 1)
Moderators: Scott T. Ball, MD, University of California, San Diego, CA
Dennis K. Collis, MD, Slocum Orthopedics, Eugene, OR
9:33 am – 9:37 am Hip Arthroplasty Closed Reduction: Fracture Table Technique And Clinical Experience
Justin S. Roth, DO, Riverside County Regional Medical Center, Moreno Valley, CA
9:37 am – 9:41 am PRP and CellerateRX in Primary Total Joint Arthroplasty Wound Healing
David C. Evans, BA, Salt Lake Orthopedic Clinic, Salt Lake City, UT
9:41 am – 9:45 am Frequency And Treatment Trends For Periprosthetic Femur Fractures In The United States
Thomas Kowalik, MD, Oregon Health and Science University, Portland, OR
9:45 am – 9:48 am Discussion
9:48 am – 9:52 am Single-Center Experience with Closed Reduction of Hip Arthroplasty Dislocation
Nicholas G. Vance, MD, University of Texas Medical Branch, Galveston, TX
*Presented by Andrew Z. Coskey, MS
9:52 am – 9:56 am Impact Of Anterior Versus Posterior Approach For Total Hip Arthroplasty On Post-Acute Care Service Utilization
John S. Cox, MD, Oregon Health and Science University, Portland, OR
9:56 am – 10:00 am Obesity Is Associated With Early Total Hip Revision For Aseptic Loosening: A 10-Year Follow-Up
10:00 am – 10:03 am  Discussion

**Rapid Fire Session 3B – Trauma/Upper Extremity** *(Esmeralda Ballroom 2)*  
**Moderators:** Amer J. Mirza, MD, *Summit Orthopaedics, Portland, OR*  
Andrew M. Choo, MD, *University of Texas Health Science Center, Houston, TX*

9:33 am – 9:37 am  Does Concurrent Fibular Fixation And Intramedullary Tibial Nailing Increase Rates Of Tibial Nonunion?  
*Michael Githens, MD, Harborview Medical Center, Seattle, WA*

9:37 am – 9:41 am  Midshaft Clavicle Fractures: A Meta-Analysis Comparing Surgical Fixation Via Anteroinferior Plating vs. Superior Plating  
*Peter S. Vezeridis, MD, University of California Los Angeles, Los Angeles, CA*

9:41 am – 9:45 am  Infections Associated With Open Tibia Fractures In Ethiopia  
*Adam H. Kantor, BA, University of California, Irvine, Irvine, CA*

9:45 am – 9:48 am  Discussion

9:48 am – 9:52 am  Stability By Peripheral Peg Number In Modern TSA Glenoid Components  
*Eugene F. Stautberg III, MD, University of Texas Medical Branch, Galveston, TX*

9:52 am – 9:56 am  Males With Glenohumeral Arthritis Have Worse Glenoid Pathology Than Females Despite Similar Pre-Morbid Morphology  
*Michael H. Amini, MD, Southwest Orthopaedic Surgery Specialists, Tucson, AZ*

9:56 am – 10:00 am  Topical And Intravenous Tranexamic Acid Are Equivalent In Shoulder Arthroplasty  
*Matthew D. Budge, MD, Kaiser Permanente, Salem, OR*

10:00 am – 10:03 am  Discussion

**Rapid Fire Session 3C – Foot & Ankle** *(Esmeralda Ballroom 3)*  
**Moderators:** Stephen K. Benirschke, MD, *University of Washington, Seattle, WA*  
Glenn B. Pfeffer, MD, *Cedars-Sinai Medical Center, Los Angeles, CA*

9:33 am – 9:37 am  Return To Active Duty Lifestyle After Modified Brostrom
Thomas J. Melton, MD, Madigan Army Medical Center, Tacoma, WA
*Presented by CPT Matti P. Asuma, MD

9:37 am – 9:41 am  A Biomechanial Analysis Of Fixation Methods For The Posterior Malleolus
Chase Bennett, MD, Stanford University, Stanford, CA

9:41 am – 9:45 am  Complications Following ORIF Of Closed Calcaneus Fractures In Medicare Population
Benjamin V. Kelley, BA, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA

9:45 am – 9:50 am  Discussion

9:50 am – 9:54 am  Characterization And Incidence Of Missed Posterior Malleolus Fractures
CPT Shawn Gee, MD, Tripler Army Medical Center, Honolulu, HI

9:54 am – 9:58 am  Calcaneus Fracture And Psychiatric Illness Or Use Of Psychotropic Medication
Cory F. Janney, MD, University of Texas Medical Branch, Galveston, TX

9:58 am – 10:03 am  Discussion

**Rapid Fire Session 3D – Spine/Pediatrics (Esmeralda Ballroom Pre-Function 6-8)**
Moderator: Jeremy P. Bauer, MD, Shriners Hospital for Children, Portland, OR
Rolando F. Roberto, MD, University of California, Davis, Sacramento, CA

9:33 am – 9:37 am  Spinal Fusion In Children With Osteogenesis Imperfecta: A Nationwide Perspective Over A 12 Year Period
Christopher M. Belyea, MD, Tripler Army Medical Center, Honolulu, HI

9:37 am – 9:41 am  Pre-Operative Urinary Symptoms In Patients Undergoing Elective Lumbar Spine Surgery
Elizabeth Lieberman, MD, Oregon Health and Science University, Portland, OR

9:41 am – 9:45 am  Antibiotic Therapy In A Mouse Model Of Spine Implant Infection
Daniel Johansen, BS, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA
9:45 am – 9:50 am  Discussion

9:50am – 9:54 am  Indications And Outcomes Of Sacroiliac Arthrodesis: A Systematic Review Of The Literature
Travis Philipp, MD, Oregon Health and Science University, Portland, OR

9:54 am – 9:58 am  Monitor Progression Of Adolescent Idiopathic Scoliosis With Scoliometer
Aaron Beck, MD, Harbor University of California Medical Center, Torrance, CA

9:58 am – 10:03 am  Discussion

10:03 am – 10:23 am  Break – Please visit Exhibits (Esmeralda Ballrooms 5,6,7 & 8)

General Session 4 – AAOS, Presidential Guest Speaker
Moderator: John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

10:23 am – 10:25 am  Introduction of AAOS President
John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

10:25 am – 10:35 am  AAOS Report
Gerald R. Williams Jr., MD, The Rothman Institute, Philadelphia, PA

10:35 am – 10:40 am  Introduction of Presidential Guest Speaker
John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

10:40 am – 11:25 am  Presidential Guest Speaker
Improving the Quality of Elective Orthopaedic Care – An International Problem
Mr. Timothy Briggs MBBS (Hons), MD(Res), MCh(Orth), FRCS(Ed), FRCS(Eng), Royal National Orthopaedic Hospital at Stanmore, London, England

Symposium 2 – Social Media in Orthopedics: Online Reputation Management and The Use of Twitter and Facebook
Moderator: Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine, Fremont, CA

11:25 am – 11:40 am  Online Reputation Management
Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine, Fremont, CA

11:40 am – 11:55 am  The Value of Twitter and Other Social Media in Orthopaedic Practice
Ronald A. Navarro, MD, Kaiser Permanente, Harbor City, CA

11:55 am – 12:10 pm  How to get Started in Social Media...Its Easier than You Think
Steve A. Mora, MD, Restore Orthopedics and Spine Center, Orange, CA

12:10 pm – 12:15 pm  Discussion

12:15 pm – 1:15 pm  WOA Luncheon - Industry Presentations
Mallinckrodt Pharmaceutical
Is Your Perioperative Analgesia Protocol Up To Date?
Todd Swenning, MD
Ethicon
*CME Credit Not Available

Symposium 3 – Total Joint Arthroplasty
Moderator: Jay R. Lieberman, MD, University of Southern California, Los Angeles, CA

1:15 pm – 1:27 pm  Highly Cross Linked Polyethylene – Is Wear No Longer An Issue?
James I. Huddleston III, MD, Stanford School of Medicine, Redwood City, CA

1:27 pm -1:39 pm  Dual Mobility Liners: A Hip for All Seasons?
Geoffrey H. Westrich, MD, Hospital for Special Surgery, New York, NY

1:39 pm – 1:51 pm  Bearing Surface Selections in 2016
Jay R. Lieberman, MD, University of Southern California, Los Angeles, CA

1:51 pm – 2:05 pm  Discussion

Resident Review Program (Esmeralda Boardroom)

2:05 pm – 3:05 pm  Orthopaedic Career Opportunities (Corporate, Academic, Private Practice & Non-Profit/Government)
Moderator: Robert A. Hart, MD, Oregon Health & Science University, Portland, OR
Panel:
Chad Maclachlan, MD, Kaiser Foundation Hospital, Vallejo, CA
Payam Tabrizi, MD, Santa Clara Valley Orthopedics, San Jose, CA
Jacqueline Munch, MD, Oregon Health & Science University, Portland, OR
Nicholas J. Giori, MD, PhD, Stanford University School of Medicine, Redwood City, CA
Jennifer M. van Warmerdam, MD, San Francisco, CA

3:05 pm – 4:05 pm  
ABOS Oral Board Tips And Tricks  
(Residents Are Encouraged To Bring Practice Cases)  
Milton “Chip” Rout Jr., MD, University of Texas Health Science Center, Houston, TX  
Jacqueline Munch, MD, Oregon Health & Science University, Portland, OR  
Kathryn Schabel, MD, Oregon Health & Science University, Portland, OR

4:05 pm – 4:15 pm  
The Importance of Staying Engaged with the Orthopaedic Community  
Omer Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute, Houston, TX

4:15 pm – 4:45 pm  
DECADE  
Payam Tabrizi, MD, Santa Clara Valley Orthopedics, San Jose, CA

4:45 pm – 5:05 pm  
The Legal Differences between a W-2 Employee and a 1099 Employee  
Art McOmber, Legally Mine, Orem, UT

5:05 pm – 5:35 pm  
Multimedia Education Session (Esmeralda Ballroom Foyer)

Friday, September 30

6:00 am – 7:00 am  
Scientific E-Poster Session (Esmeralda Ballroom 1,2,3 & Pre-function 6-8) (Presenters will be available to answer questions.)

7:00 am – 7:05 am  
Announcements  
Robert A. Hart, MD, Program Chair

General Session 5 – WOA/OREF Young Investigator Awards  
Moderator:  Robert A. Hart, MD, Spinal Deformity for Swedish Hospital System, Seattle, WA

7:05 am – 7:11 am  
Obesity Is Associated With Early Total Hip Revision For Aseptic Loosening  
Derek F. Amanatullah, MD, PhD, Stanford University School of Medicine, Redwood City, CA

7:11 am – 7:17 am  
The Scandanavian Total Ankle Replacement: Patient Outcomes At 15 Year Follow-Up
Ariel Palanca, MD, Stanford University Medical Center, Stanford, CA

7:17 am – 7:23 am Vitamin D Deficiency In Patients With Osteoarthritis Undergoing Total Knee Arthroplasty
Kathryn Schabel, MD, Oregon Health and Sciences University, Portland, OR

7:23 am – 7:30 am Discussion

Concurrent PA Session 2 – Understanding MRIs (Esmeralda Boardroom)
Moderator: Jason S. Salden, PA-C, Slocum Orthopedics, Eugene, OR

7:05 am – 8:20 am 50 Shades of Grey: Understanding MRIs
Richard Rolfes, MD, ProScan, Cincinnati, OH

General Session 6 – WOA Resident Awards
Moderator: Robert A. Hart, MD, Spinal Deformity for Swedish Hospital System, Seattle, WA

7:30 am – 7:36 am Critical Findings On MR-Arthrogram In Posterior Shoulder Instability
MAJ Joseph W. Galvin, DO, Madigan Army Medical Center, Tacoma, WA

7:36 am – 7:42 am Fibroadipogenic Progenitor Cells Cause Fatty Infiltration in Murine Rotator Cuff Tears
Andrew R. Jensen, MD, MBE, University of California at Los Angeles, Los Angeles, CA

7:42 am – 7:48 am Curcumín’s Modulatory Effects On Inflammation In Animal Model Of Tendon Healing
Nathan Moroski, MD, University of California, Irvine, Orange, CA

7:48 am – 7:54 am Knee Sepsis Following Suprapatellar Medullary Nailing Of Open Tibia Fractures
Luke T. Nicholson, MD, University of Southern California, Los Angeles, CA

7:54 am – 8:00 am Digital Radiography In Total Hip Arthroplasty: Technique And Clinical Results
Sanjum Samagh, MD, Cedars-Sinai Medical Center, Los Angeles, CA

8:00 am – 8:06 am Proximal Tibia Anterior Closing Wedge Osteotomy Effects On ACL Force
Kent T. Yamaguchi, MD, University of California Los Angeles, Los Angeles, CA

8:06 am – 8:12 am Previous Lumbar Fusion Poses Risk For Postoperative Total Hip Instability
Philip J. York, MD, University of Colorado, Aurora, CO

8:12 am – 8:20 am Discussion

8:20 am – 8:40 am Break – Please visit Exhibits (Esmeralda Ballrooms 5, 6, 7 & 8)

General Session 7 – BOC Report and Howard Steel Lecture
Moderator: John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

8:40 am – 8:50 am BOC Report
Bryan S. Moon, MD, MD Anderson Cancer Center, Houston, TX

8:50 am – 8:58 am Western Orthopaedic Foundation Report
Robert R. Slater Jr., MD, Folsom, CA

8:58 am – 9:03 am Introduction of Howard Steel Lecturer
John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

9:03 am – 9:50 am Howard Steel Lecture
Lincoln's Sermon on the Mount: The Second Inaugural
Ronald C. White, Jr., PhD, La Canada, CA

Rapid Fire Session 8A – Sports (Esmeralda Ballroom 1)
Moderators: Matthew J. Matava, MD, Washington University School of Medicine, St. Louis, MO
Dean K. Matsuda, MD, DISC Sports and Spine, Marina del Rey, CA

9:53 am – 9:57 am Hip Arthroscopy Trends In The United States: An Update Following Coding Changes In 2011
Jeremy Truntzer, MD, Stanford University, Redwood City, CA

9:57 am – 10:01 am Obesity Predicts Increased Healthcare Utilization For Patients Undergoing ACL Reconstruction
Daniel J. Lorenzana, BA, Keck School of Medicine at University of Southern California, Los Angeles, CA

10:01 am – 10:05 am Benzoyl Peroxide -Clindamycin Skin Preparation Decreases P-Acnes Colonization In Shoulder Arthroscopy
Wesley M. Nottage, MD, The Sports Clinic, Laguna Hills, CA
10:05 am – 10:09 am  Discussion

10:09 am – 10:13 am  Cyclic And Load To Failure Of All-Suture Anchors In Synthetic Bone
Nathan Douglass, MD, Stanford University Medical Center, Stanford, CA
*Presented by Tyler Johnston

10:13 am – 10:17 am  Anterior Cruciate Ligament Injury At Time Of Pediatric Tibial Eminence Fractures
Meredith Mayo, MD, University of Colorado, Aurora, CO

10:17 am – 10:21 am  Arthroscopic Mechanical Chondroplasty Of The Knee Is Beneficial For Treatment Of Focal Cartilage Lesions In The Absence Of Concurrent Pathology
Michael Rose, MD, Oregon Health and Science University, Portland, OR

10:21 am – 10:25 am  Platelet-Rich Plasma In Orthopaedic Surgery: The Assessment Of Quality, Accuracy, And Readability Of Online Patient Resources
Jason H. Ghodasra, MD, MSCI, University of California, Los Angeles, Los Angeles, CA

10:25 am – 10:30 am  Discussion

**Rapid Fire Session 8B – Pediatrics (Esmeralda Ballroom 2)**
Moderators: Ronald J. Turker, MD, Kaiser Permanente Sunnybrook, Portland, OR
Ellen M. Raney, MD, Shriners Hospitals for Children, Portland, OR

9:53 am – 9:57 am  Midterm Outcomes Of Growth Manipulation In Infantile Blount's Disease
Carlos Meheux, MD, Houston Methodist Hospital, Houston, TX

9:57 am – 10:01 am  Intrinsic Hypoplasia Of The Osseous Structures In Patients With Unilateral Clubfoot: The Influence Of Distance From The Epicenter Of Pathology
Jennifer Beck, MD, Orthopedic Institute for Children, Los Angeles, CA

10:01 am – 10:05 am  Definitive Diagnosis Of Children Presenting To A Pediatric Emergency Department With Fever And Extremity Pain
Nicolas V. Vardiabasis, DO, Riverside University Health System, Moreno Valley, CA

10:05 am – 10:09 am  Discussion
10:09 am – 10:13 am  Ballistic Spine Trauma In The U.S. Pediatric Population  
Mitchell C. Harris, MD, Tripler Army Medical Center, Honolulu, HI

10:13 am – 10:17 am  Continuous Local Infusion Analgesia After Pediatric Foot And Ankle Surgery  
Julia S. Sanders, MD, University of Colorado School of Medicine, Aurora, CO

10:17 am – 10:21 am  Pediatric Orthopaedic Related Injuries Associated With Recreational Trampoline Use  
John D. Johnson, DO, Tripler Army Medical Center, Honolulu, HI

10:21 am – 10:25 am  The Use Of 3D Printers In Hip Preservation Surgery  
Brian Haus, MD, Shriners Hospital Northern California, Sacramento, CA

10:25 am – 10:30 am  Discussion

Rapid Fire Session 8C – Total Knee/Total Hip (Esmeralda Ballroom 3)
Moderators:  James I. Huddleston III, MD, Stanford School of Medicine, Redwood City, CA  
Andrew I. Spitzer, MD, Cedars-Sinai, Los Angeles, CA

9:53 am – 9:57 am  Precision And Reproducibility Of Tibial Component Rotation On CT Scans  
Derek F. Amanatullah, MD, PhD, Stanford University School of Medicine, Redwood City, CA

9:57 am – 10:01 am  Tibiofemoral Dislocation Following Total Knee Arthroplasty  
Rishabh Jethanandani, BSE, Stanford University Medical Center, Redwood City, CA

10:01 am – 10:05 am  Wound Vacuum Dressings Effect On Complications After Primary Knee Arthroplasty  
CPT Joseph H. Dannenbaum, MD, Madigan Army Medical Center, Tacoma, WA  
*Presented by Taylor Mansfield, MD

10:05 am – 10:11 am  Discussion

10:11 am – 10:15 am  Tribocorrosion In Primary THA With Metal On Polyethylene Bearings  
John T. Dearborn, MD, Institute for Joint Restoration and Research, Fremont, CA
10:15 am – 10:19 am  Total Hip Replacement Using Anatomic Head Size Has Low Dislocation Rate In High Risk Patients
William T. Long, MD, Good Samaritan Hospital, Los Angeles, CA

10:19 am – 10:23 am  Properly Selected Homeless Veterans Have Good Outcomes Following TJA
Laura Lu, BS, Stanford University, Stanford, CA

10:23 am – 10:30 am  Discussion

Rapid Fire Session 8D – Basic Science/Other (Esmeralda Ballroom Pre-Function 6-8)
Moderators:  William McMaster, MD, UCI Medical Center Orthopaedics, Orange, CA
Jacqueline Munch, MD, Oregon Health & Science University, Portland, OR

9:53 am – 9:57 am  Creation Of A Clinically Accurate Biomechanical Model For Vertical Femoral Neck Fractures
Christopher Bui, MD, University of California, Irvine, Orange, CA

9:57 am – 10:01 am  Biomechanical Analysis Of A Novel Buried Fixation Technique Using Headless Compression Screws
Alisa Alayan, MD, Cedars Sinai Medical Center, Los Angeles, CA

10:01 am – 10:05 am  Ulnar Variance For Diagnosing Essex-Lopresti Injury And Radiocapitellar Overstuffing
Garet C. Comer, MD, Stanford University School of Medicine, Redwood City, CA
*Presented by Gabrielle M. Paci, MD

10:05 am – 10:09 am  Discussion

10:09 am – 10:13 am  Influence Of Female Orthopaedic Surgery Faculty On Female Residency Applicants
Alana M. Munger, BS, Keck School of Medicine at University of Southern California, Los Angeles, CA

10:13 am – 10:17 am  Intramedullary Nailing Of Sarcoma Bone Metastases
Bryan S. Moon, MD, MD Anderson Cancer Center, Houston, TX

10:17 am – 10:21 am  Postoperative Hypothermia In Orthopaedic Surgery: Incidence And Risk Factors
John P. Kleimeyer, MD, Stanford University, Redwood City, CA
10:21 am – 10:25 am  
**Cost Minimization Analysis for the Treatment of Acute Achilles Tendon Ruptures**  
*Jeremy Truntzer, MD, Stanford University, Redwood City, CA*

10:25 am – 10:30 am  
**Discussion**

**Concurrent PA Session 3 – Ultrasound Usage** *(Esmeralda Boardroom)*  
Moderator: Jason S. Salden, PA-C, Slocum Orthopedics, Eugene, OR

9:53 am – 10:50 am  
**Hands-On Ultrasound Usage**  
*Richard Rolfes, MD, ProScan, Cincinatti, OH*

10:30 am – 10:50 am  
**Break – Please visit Exhibits** *(Esmeralda Ballrooms 5,6,7 & 8)*

**Symposium 4 – Modern Trauma Pitfalls and Solutions**  
Moderator: Milton “Chip” Routt Jr., MD, *University of Texas Health Science Center, Houston, TX*

10:50 am – 11:02 am  
**Resolving Selection Conflict - Sliding Hip Screw or IM Nail for Intertrochanteric Femur Fractures**  
*Marc F. Swiontkowski, MD, University of Minnesota, Minneapolis, MN*

11:02 am – 11:14 am  
**The Syndesmosis Injury in 2016 - Current Concepts and Controversies**  
*Michael J. Gardner, MD, Stanford University School of Medicine, Standford, CA*

11:14 am – 11:26 am  
**The Unstable Patient with an Unstable Pelvic Ring Injury - What, When, How, and Why**  
*Milton “Chip” Routt Jr., MD, University of Texas Health Science Center, Houston, TX*

11:26 am – 11:38 am  
**Discussion and Case Presentations**

11:38 am – 12:38 pm  
**WOA Luncheon - Industry Presentations**  
**THINK Surgical**  
Active Robotics for Total Joint Replacement  
*William L. Bargar, MD*

**Pacira Pharmaceuticals, Inc.**  
Postsurgical Pain Management  
*Alexander P. Sah, MD*

*CME Credit Not Available*

**Symposium 5 – Management of Metastatic Spine Disease**  
Moderator: Jacob M. Buchowski, MD, *Washington University School of Medicine, St. Louis, MO*
12:38 pm – 12:39 pm  Introduction  
    *Jacob M. Buchowski, MD, Washington University School of Medicine, St. Louis, MO*

12:39 pm – 12:51 pm  Operative Treatment  
    *Paul Santiago, MD, Washington University School of Medicine, St. Louis, MO*

12:51 pm – 1:03 pm  Radiation Therapy  
    *Clifford G. Robinson, MD, Washington University School of Medicine, St. Louis, MO*

1:03 pm – 1:15 pm  Interventional/Nonsurgical Treatment  
    *Jack W. Jennings, MD, PhD, Washington University School of Medicine, St. Louis, MO*

1:15 pm - 1:30 pm  Case Discussion

1:30 pm – 2:30 pm  **Scientific E-Poster Session** (*Esmeralda Ballroom 1,2,3 & Pre-function 6-8*) (Presenters will be available to answer questions.)  
    (Poster Awards Decided)

2:30 pm – 4:30 pm  **Multimedia Education Session** (*Esmeralda Ballroom Foyer*)

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**Saturday, October 1**

6:00 am – 7:00 am  **Scientific E-Poster Session** (*Esmeralda Ballroom 1,2,3 & Pre-function 6-8*) (Presenters will be available to answer questions.)

7:00 am – 7:15 am  **Second Business Meeting**

**General Session 9 – Total Knee/Upper Extremity**  
Moderators:  
    *Jonathan T. Bravman, MD, University of Colorado, Boulder, CO*  
    *Robert J. Feibel, MD, University of Ottawa, Ottawa, ON*

7:15 am – 7:21 am  A Safe And Effective Protocol To Minimize Blood Transfusion And Venous Thromboembolic Disease After Primary Total Hip And Knee Arthroplasty  
    *Joshua Campbell, MD, Cedars-Sinai, Los Angeles, CA*

7:21 am – 7:27 am  Prospective, Randomized Evaluation Of The Quality Of Wound Closure With Barbed Versus Standard Suture After TJA  
    *Alexander P. Sah, MD, Institute for Joint Restoration, Fremont, CA*
7:27 am – 7:33 am Uncemented Tantalum Patellar Components Have A High Fracture Rate  
Jeremy Y. Chan, MD, Stanford University, Stanford, CA

7:33 am – 7:39 am Digital Tomography For Detection Of Acute Occult Scaphoid Fractures  
Liang Zhou, MD, Tripler Army Medical Center, Honolulu, HI

7:39 am – 7:45 am Insurance Status Affects Postoperative Morbidity And Complication Rate After Shoulder Arthroplasty  
Paul H. Yi, MD, University of California, San Francisco, San Francisco, CA
*Presented by Joseph W. Galvin, DO

7:45 am – 7:50 am Discussion

Concurrent PA Session 4 – Casting (Esmeralda Boardroom)  
Moderator: Jason S. Salden, PA-C, Slocum Orthopedics, Eugene, OR

7:15 am – 8:30 am Casting Pearls  
Jarred Gibson, ATC, Slocum Orthopedics, Eugene, OR

Rapid Fire Session 10A - Total Knee (Esmeralda Ballroom 1)  
Moderators: Brian A. Jewett, MD, Slocum Orthopedics, Eugene, OR  
Kathryn Schabel, MD, Oregon Health and Sciences University, Portland, OR

7:53 am – 7:57 am Preoperative Systemic Sepsis in Prosthetic Joint Infection  
Grace Xiong, BA, Stanford University, Stanford, CA

7:57 am – 8:01 am More Bang For Your Bundle: Oxinium Femurs On All-Polyethylene Tibias  
Adam Sassoon, MD, MS, University of Washington, Seattle, WA

8:01 am – 8:05 am Varus Tibial Alignment In TKA Decreases Strain In Cadaveric Tibias  
Paul Mead, MD, St. Mary's Medical Center, San Francisco, CA

8:05 am – 8:11 am Discussion

8:11 am – 8:15 am Tibial Component Rotation Based On Landmark Selection And Surgeon Experience  
Derek F. Amanatullah, MD, PhD, Stanford University School of Medicine, Redwood City, CA

8:15 am – 8:19 am Claims versus Registry: Capturing Outcomes In Total Joint Arthroplasty
Joseph T. Patterson, MD, University of California, San Francisco, San Francisco, CA

8:19 am – 8:23 am Knee Flexion At Time Of Hospital Discharge As Indication Of Ultimate Range Of Motion After Total Knee Arthroplasty
Alexander P. Sah, MD, Institute for Joint Restoration, Fremont, CA

8:23 am – 8:30 am Discussion

Rapid Fire Session 10B – Trauma (Esmeralda Ballroom 2)
Moderators: Amer J. Mirza, MD, Summit Orthopaedics, Portland, OR
John A. Scolaro, MD, University of California, Irvine, Orange CA

7:53 am – 7:57 am Do You Know When Your Open Fractures Actually Receive Antibiotics?
Justin F. Lucas, MD, UC Davis Health System, Sacramento, CA

7:57 am – 8:01 am Locked Plate Fixation Of Complex Comminuted Patellar Fractures
Tyler Moore, MD, University of California, Irvine, Orange, CA

8:01 am – 8:05 am Race And Gender Influence Management Of Humerus Shaft Fracture
Dayton M. Opel, MD, Oregon Health & Science University, Portland, OR

8:05 am – 8:09 am Discussion

8:09 am – 8:13 am Provisional Plating Of Closed Tibia Fractures
Justin Haller, MD, Harborview Medical Center, Seattle, WA
*Presented by Michael Githens, MD

8:13 am – 8:17 am Can Manual Palpation To Detect Compartment Syndrome Be Taught?
Samuel E. Galle, MD, University of California, Irvine, Orange, CA
*Presented by Philip K. Lim, BS, MD

8:17 am – 8:21 am Reduction Of Posterior Pelvic Ring Through Reduction Of Anterior Ring
Krishna C. Vemulapalli, MD, University of Texas Health, Houston, TX

8:21 am – 8:25 am Mini-Fragment Fixation Is Equivalent To Bicortical Screws For Horizontal Medial Malleolus Fractures
8:25 am – 8:30 am Discussion

Rapid Fire Session 10C - Upper Extremity (Esmeralda Ballroom 3)
Moderators: Robert M. Orfaly, MD, Oregon Health & Sciences University, Portland, OR
John G. Costouros, MD, FACS, Stanford Health Care, Redwood City, CA

7:53 am – 7:57 am Bennett Fractures: A Biomechanical Model and Its Relevant Ligamentous Anatomy
Jason R. Kang, MD, Stanford University School of Medicine, Stanford, CA

7:57 am – 8:01 am Is The Appropriate Use Criteria For Type II Supracondylar Humerus Fractures Really Appropriate?
Howard Y. Park, MD, University of California at Los Angeles, Los Angeles, CA
*Presented by Mauricio Silva, MD

8:01 am – 8:05 am Operative Management Of Rotator Cuff Tears In The Medicare Population
Andrew R. Jensen, MD, MBE, University of California at Los Angeles, Los Angeles, CA

8:05 am – 8:09 am Discussion

8:09 am – 8:13 am Effect Of Wrist And Finger Loading And Thumb Position On Scaphoid Fracture Displacement
Tyler Moore, MD, University of California, Irvine, Orange, CA

8:13 am – 8:17 am Reduced-Dose Computed Tomography To Detect Radius Screw Penetration
Kevin J. Leffers, MD, University of Texas Medical Branch, Galveston, TX
*Presented by Ronald W. Lindsey, MD

8:17 am – 8:21 am Premorbid Version Affects Pathologic Morphology In Patients Undergoing Total Shoulder Arthroplasty
Michael H. Amini, MD, Southwest Orthopaedic Surgery Specialists, Tucson, AZ

8:21 am – 8:25 am Characterizing the Propionibacterium Load in Revision Shoulder Arthroplasty - A Study of 137 Culture Positive Cases
Zahab S. Ahsan, MD, University of Washington, Seattle, WA
8:25 am – 8:30 am Discussion

**Rapid Fire Session 10D – Spine** *(Esmeralda Ballroom Pre-Function 6-8)*

Moderators: Nitin N. Bhatia, MD, *University of California, Irvine, Irvine, CA*
Eric Klineberg, MD, *University of California, Davis, Sacramento, CA*

7:53 am – 7:57 am  
**Lumbar MRI Findings In Patients With And Without Waddell Signs**  
*John S. Cox, MD, Oregon Health and Science University, Portland, OR*

7:57 am – 8:01 am  
**Chondrosarcoma Of The Osseous Spine: An Analysis Of 974 Cases Using The SEER Registry**  
*Armin Arshi, BS, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA*

8:01 am – 8:05 am  
**Does Age Influence The Outcome Of Demineralized Bone Matrix Enriched With Concentrated Bone Marrow Aspirate In Lumbar Fusions?**  
*Remi M. Ajiboye, MD, MPH, University of California at Los Angeles Medical Center, Los Angeles, CA*

8:05 am – 8:11 am Discussion

8:11 am – 8:15 am  
**The Routine Use Of Intraoperative Neuromonitoring During ACDFs For The Treatment Of Spondylotic Myelopathy And Radiculopathy Is Questionable: A Review Of 15395 Cases**  
*Remi M. Ajiboye, MD, MPH, University of California at Los Angeles Medical Center, Los Angeles, CA*

8:15 am – 8:19 am  
**Quality Measures In Spine Surgery**  
*Chase Bennett, MD, Stanford University, Stanford, CA*

8:19 am – 8:23 am  
**Validation Of The ICD-9 Invasiveness Index For Spine Surgery**  
*David J. Wright, MS, University of California, Irvine, Orange, CA*

8:23 am – 8:30 am Discussion

8:30 am – 8:55 am  
**Break – Please Visit Exhibits** *(Esmeralda Ballrooms 5,6,7 & 8)*

**Symposium 6 – Shoulder/Elbow**

Moderator: Robert M. Orfaly, MD, *Oregon Health & Sciences University, Portland, OR*

8:55 am – 9:07 am  
**The Role of Reverse TSA for Cuff Deficiency and Revision**
Robert M. Orfaly, MD, Oregon Health & Sciences University, Portland, OR

9:07 am – 9:19 am    Use of RTSA for Fracture and Complex Instability
Jonathan T. Bravman, MD, CU Sports Medicine Center, Denver, CO

9:19 am – 9:31 am    Reverse Arthroplasty: Is Over Utilization a Problem?
Gerald R. Williams Jr., MD, The Rothman Institute, Philadelphia, PA

9:31 am – 9:45 am    Discussion

General Session 11 – OREF and Presidential Address
Moderator: Robert A. Hart, MD, Spinal Deformity for Swedish Hospital System, Seattle, WA

9:45 am - 9:50 am    OREF Update
Richard F. Santore, MD, San Diego, CA

9:50 am – 9:55 am    JBJS Update
Marc F. Swiontkowski, MD, University of Minnesota, Minneapolis, MN

9:55 am – 10:25 am    Presidential Address
Roadway Trauma: Patterns and Prevention
John R. Tongue, MD, Cascade Orthopaedic Group, Tualatin, OR

Symposium 7 – Shoulder Dislocations
Moderator: Richard A. Marder, MD, University of California, Davis, Sacramento, CA

10:25 am – 10:32 am    Arthroscopic Labral Repair for Recurrent Anterior Dislocation

10:32 am – 10:39 am    Management of Recurrent Posterior Dislocation

10:39 am – 10:46 am    Management of Multi-Directional Instability

10:46 am – 10:53 am    Treatment of Anterior Dislocation with Glenoid Bone Loss

10:53 am – 11:15 am    Interesting Cases, Panel and Audience Participation
Panel:
C. Benjamin Ma, MD, University of California, San Francisco, San Francisco, CA
James Van den Bogaerde, MD, University of California, Davis, Sacramento, CA
Richard A. Marder, MD, University of California, Davis, Sacramento, CA

11:15 am – 11:55 am  
**WOA Luncheon - Industry Presentation**  
Legally Mine  
Keys to Locking Out Lawsuits and Lowering Taxes  
Art McOmber  
*CME Credit Not Available*

**General Session 12 – Sports/Trauma**  
**Moderators:** Marc F. Świontowski, MD, *University of Minnesota, Minneapolis, MN*  
Omer Ilahi, MD, *South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute, Houston, TX*

11:55 am – 12:01 pm  
Biologic Augmentation Of Microfracture For Treatment Of Symptomatic Chondral Defects Of The Knee: A Systematic Review  
*Armin Arshi, BS, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA*

12:01 pm – 12:07 pm  
Cadaveric Intraarticular Pressure With Gravity And Pump Arthroscopic Systems  
*Meredith Mayo, MD, University of Colorado, Aurora, CO*  
*Presented by Jonathan T. Bravman, MD*

12:07 pm – 12:13 pm  
Effects Of Low Serum Albumin On Outcomes After Knee Arthroscopy  
*Nathanael Heckmann, MD, Keck School of Medicine at University of Southern California, Los Angeles, CA*

12:13 pm – 12:19 pm  
The Hidden Zone of the Posterior Femoral Cartilage During Knee Arthroscopy  
*Sean S. Rajaee, MD, Cedars-Sinai Medical Center, Los Angeles, CA*

12:19 pm – 12:25 pm  
Dysplasia: Prevalence, Associated Findings, And Procedures From Large Multi-Center Study  
*Dean K. Matsuda, MD, DISC Sports and Spine, Marina del Rey, CA*

12:25 pm – 12:30 pm  
Discussion

12:30 pm – 12:36 pm  
Does Contralateral Templating Reliably Estimate Femoral Version for Fracture Fixation?  
*Daniel J. Lorenzana, BA, Keck School of Medicine at University of Southern California, Los Angeles, CA*
12:36 pm – 12:41 pm  Are Early Career Orthopaedic Surgeons Performing Less Complex Trauma Surgery?  
*Jacob D. Gire, MD, Stanford University, Redwood City, CA*

12:41 pm – 12:45 pm  Discussion

12:45 pm – 1:45 pm  **Scientific E-Poster Session** (*Esmeralda Ballroom 1,2,3 & Pre-function 6-8*) (Presenters will be available to answer questions.)

1:45 pm – 2:45 pm  **Multimedia Education Session** (*Esmeralda Ballroom Foyer*)