

WOA Tentative Scientific Program
Grand Hyatt Kauai Resort
Kauai, HI
August 3-5, 2017

(Presenters and times are subject to change.)

Thursday, August 3, 2017

6:00 am – 6:45 am **Scientific E-Poster Session** (Presenters will be available to answer questions.)

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

7:00 am – 7:15 am **Welcome and Announcements and Meeting Overview**
Omer A. Ilahi, MD, Program Chair
Robert R. Slater, Jr., MD, President

General Session 1 – WOA/OREF Young Investigator Awards

Moderator: *Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute*

7:15 am – 7:21 am Accuracy Of The ASES Physician Assessment In Shoulder Arthroplasty Patients
Alan L. Zhang, MD, University of California, San Francisco

7:21 am – 7:27 am Effect of Hamstring Harvest In the Setting of ACL and MCL Concurrent Injury
Thomas Kremen, MD, Cedars-Sinai Medical Center

7:27 am – 7:33 am The Role Of Calcaneofibular Ligament In Ankle And Subtalar Biomechanics
Kenneth J. Hunt, MD, University of Colorado

7:33 am – 7:39 am Discussion

Symposium 1 – Foot and Ankle

Moderator: *Vinod K. Panchbhavi, MD, FACS, University of Texas Medical Branch*

7:40 am – 7:52 am Management Of The Charcot Foot
Vinod K. Panchbhavi, MD, FACS, University of Texas Medical Branch

7:52 am – 8:04 am Jones Fracture Management
Gregg A. Lundeen, MD, MPH, Reno Orthopaedic Clinic

8:04 am – 8:16 am	Lisfranc Joint Injuries <i>Thomas G. Harris, MD, Congress Orthopaedic Associates</i>
8:16 am – 8:28 am	Talar OCD Management <i>Kenneth J. Hunt, MD, University of Colorado School of Medicine</i>
8:28 am – 8:40 am	Discussion
8:40 am – 9:00 am	Break – Please visit Exhibits

General Session 2 – AAOS Report & Presidential Guest Speaker

Moderator: Robert R. Slater, Jr., MD, *Folsom, CA*

9:00 am – 9:05 am	Own The Bone <i>Fred C. Redfern, MD, Henderson, NV</i>
9:05 am – 9:20 am	AAOS Report <i>William J. Maloney III, MD, Stanford School of Medicine</i>
9:20 am – 9:50 am	Presidential Guest Speaker Impact Developments In Hand During My Lifetime <i>Peter J. Stern, MD, University of Cincinnati College of Medicine</i>

Rapid Fire Session 3A - Trauma

Moderator: Milton “Chip” Routt Jr., MD, *University of Texas Health Science Center*

9:55 am – 9:59 am	Nationwide Analysis Of Femoral Neck Fractures: A Receding Tide <i>Derek G. Ju, MD, Cedars-Sinai Medical Center</i>
9:59 am – 10:03 am	Complications Associated With Distal Femoral, Proximal Tibial, And Calcaneal Traction Pins <i>Michael Stefl, MD, University of Southern California</i>
10:03 am – 10:07 am	Are Factor Xa Inhibitors Effective Thromboprophylaxis After Hip Fracture Fixation? <i>Abiram Bala, MD, Stanford University</i> <i>*Presented by Julius A. Bishop, MD</i>
10:07 am – 10:10 am	Discussion
10:10 am – 10:14 am	Outcomes Of Nonoperatively Managed Patella Fractures <i>Joseph D. Cooper, MD, University of Southern California</i>
10:14 am – 10:18 am	Radiographic Variance of Tibial Plateau Anatomy- Reference to Plateau Fractures <i>Adam Johannsen, MD, Stanford University</i>

10:18 am – 10:22 am Comparison Of Fluoroscopic Techniques For Assessment Of Femoral Rotational Alignment
Elizabeth Gray Lieberman, MD, Oregon Health and Science University

10:22 am – 10:25 am Discussion

Rapid Fire Session 3B – Sports Medicine

Moderator: Kimberly Furry, MD, *Mercy Orthopedics Associates*

9:55 am – 9:59 am Hip Arthroscopy Trends And Survivorship, A Population-Based Study
K. Soraya Heidari, BA, University of Southern California
**Presented by Nathanael Heckmann, MD*

9:59 am – 10:03 am Hamstring Strains In A Division I College Football Team
James Giordano, MD, University of Southern California

10:03 am – 10:07 am Effect Of Gender On Outcomes After Reverse Total Shoulder Arthroplasty
Stephanie E. Wong, MD, University of California, San Francisco

10:07 am – 10:10 am Discussion

10:10 am – 10:14 am Comparing Of Twist Test(A New Test For Hip Labral Pathology) To Arthroscopy
Farshad Adib, MD, University of Maryland

10:14 am – 10:18 am Tibial Tubercle Osteotomy And Medial Patellofemoral Ligament Reefing For Patellar Instability Due To Trochlear Dysplasia
Michael P. Leathers, MD, University of California, San Francisco
**Presented by Alan L. Zhang, MD*

10:18 am – 10:22 am Smoking: An Age-Dependent Risk Factor For Readmission Following Knee Arthroscopy
Behdod Katebian, BS, University of Southern California

10:22 am – 10:25 am Discussion

Rapid Fire Session 3C - Tumor

Moderator: Bryan S. Moon, MD, *MD Anderson Cancer Center*
 David H. Chafey III, MD, *University of New Mexico*

9:55 am – 9:59 am	Outcomes Of Cement In Cement Technique For Revision Endoprosthesis Surgery <i>Vishal Hegde, MD, University of California, Los Angeles</i>
9:59 am – 10:03 am	Role Of Inflammatory Markers In The Pre-Operative Evaluation Of Patients Undergoing Total Hip Arthroplasty Salvage Procedure <i>Jessica Hughes, MD, Baylor Scott and White</i>
10:03 am – 10:07 am	3-D Prosthetic Reconstructions Types 1-2, And Bilateral 1Pelvic Resections <i>Gerhard E. Maale III, MD, Medical City Hospital</i>
10:07 am – 10:10 am	Discussion
10:10 am – 10:14 am	Is There A Delay To Achieve Stable Compressive Osseointegration Fixation? <i>Dayton Opel, MD, Oregon Health & Science University</i>
10:14 am – 10:18 am	Magnetic Growing Intramedullary Nails With Intercalary Allograft After Tumor Resection <i>Robert Vercio, MD, Loma Linda University Health</i>
10:18 am – 10:22 am	Gait Outcomes After Proximal Tibial Replacement In Oncology <i>Kent T. Yamaguchi Jr., MD, University of California, Los Angeles</i>
10:22 am – 10:25 am	Discussion

Rapid Fire Session 3D – Basic Science

Moderator: Jennifer van Warmerdam, MD, *St. Mary's Medical Center Total Joint Center*
Jeffrey E. Krygier, MD, *Santa Clara Valley Medical Center*

9:55 am – 9:59 am	Effect Of Anteromedial Vs. Transtibial Technique On ACL Tibial Tunnel Contact <i>Gregory J. Adamson, MD, Congress Medical Foundation</i>
9:59 am – 10:03 am	Temperatures With K-Wires Using Two Drilling Methods: Forward And Oscillation <i>Scott Anderson, MD, Loma Linda University</i>
10:03 am – 10:07 am	Myogene mRNA Expression Following Rotator Cuff Injury <i>Allison Ariniello, BS, University of California, Los Angeles</i>
10:07 am – 10:10 am	Discussion

10:10 am – 10:14 am Controversies In Fracture Healing: Early, Late Or Reverse Dynamization?
Blake Schultz, MD, Stanford University
**Presented by Doug Cerynik, MD, MBA*

10:14 am – 10:18 am Do Promising Biomechanical Research Studies Lead To Clinically Meaningful Results?
Jason R. Kang, MD, Stanford Hospital & Clinics
**Presented by Gabrielle M. Paci, MD*

10:18 am – 10:22 am Hallux Motion: Using Electromagnetic Sensors To Measure Range Of Motion Under Immobilization Devices
Collin Barber, MD, Banner Health

10:22 am – 10:25 am Discussion

Concurrent PA Session 1 - Knee & Shoulder

Moderator: Theodore W. Coates, PA-C

9:55 am – 10:45 am The Knee And Shoulder Exam
Richard A. Marder, MD, University of California, Davis

10:25 am – 10:45 am Break – Please visit Exhibits

Symposium 2 – Hip/Knee Arthroplasty

Moderator: Michael Huo, MD, *University of Texas Southwestern Medical Center*

10:45 am – 11:00 am Minimally Invasive Surgery In Joint Replacement. Where Are We?
Michael Huo, MD, University of Texas Southwestern Medical Center

11:00 am – 11:15 am Preventing and Treating Total Joint Arthroplasty Infections
Kenneth Mathis, MD, University of Texas Health Science Center

11:15 am – 11:30 am Robotics, Navigation, And Custom Implants For Total Joint Arthroplasty
William J. Maloney III, MD, Stanford School of Medicine

11:30 am – 11:45 am Discussion

11:45 am – 12:45 pm **WOA Luncheon - Industry Presentation**
**CME Credit Not Available*

Symposium 3 – Patient Safety

Moderator: David C. Ring, MD, PhD, *Dell Medical School, The University of Texas at Austin*

12:45 pm – 1:35 pm	Panel Discussion <i>David C. Ring, MD, PhD, Dell Medical School, The University of Texas at Austin</i> <i>Marc DeHart, MD, University of Texas Health Science Center</i> <i>William J. Maloney III, MD, Stanford School of Medicine</i> <i>John Garber, MD, Witham Orthopedics Associates, Lebanon, IN</i> <i>C. Lowry Barnes, MD, University of Arkansas for Medical Sciences</i> <i>James T. Guille, MD, Brandywine Institute of Orthopaedics, Pottstown, PA</i> <i>Matthew J. Matava, MD, Washington University School of Medicine</i>
1:35 pm – 1:45 pm	Discussion
1:45 pm – 2:45 pm	Legally Mine
Resident Review Program	
Moderator: Jennifer van Warmerdam, MD, <i>St. Mary's Medical Center Total Joint Center</i>	
1:45 pm – 2:15 pm	DECADE – Things I Learned My First Ten Years In Practice <i>Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital</i>
2:15 pm – 3:00 pm	Transitioning From Training To Practice <i>Debra Phairas, Practice & Liability Consultants, LLC</i>
3:00 pm – 3:45 pm	Physician Practice Options <i>Debra Phairas, Practice & Liability Consultants, LLC</i>
3:45 pm – 4:15 pm	How To Give A Presentation At A National Meeting <i>Milton “Chip” Routt Jr., MD, University of Texas Health Science Center</i>
4:15 pm – 4:45 pm	How To Review Your First Employment Contract <i>Rosalyn Nguyen JD, MBA, Presbyterian Healthcare Services</i>
4:45 pm – 5:00 pm	Discussion
1:45 pm – 2:45 pm	Scientific E-Poster Session (Presenters will be available to answer questions.)
2:45 pm – 5:00 pm	Multimedia Education Session

Friday, August 4

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

7:00 am – 7:05 am **Announcements**
Omer A. Ilahi, MD, Program Chair

General Session 4 – WOA Resident Awards

Moderator: Omer A. Ilahi, MD, *South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute*

7:05 am – 7:11 am Vitamin D Is A Modifiable Risk Factor For Periprosthetic Joint Infection
Vishal Hegde, MD, University of California, Los Angeles

7:11 am – 7:17 am Clinical Presentation And Intra-Articular Injury In Patients With Posterior Shoulder Instability
Jessica Bryant, MD, University of California, San Francisco

7:17 am – 7:23 am 14 Year Follow-Up Of Arthroscopic Versus Open Anterior Shoulder Stabilization
John D. Johnson, DO, Tripler Army Medical Center

7:23 am – 7:29 am Vancomycin Powder In Spine Surgery: Does It Work And Does Dose Matter? An In-Vivo Mouse Model Experiment
Howard Y. Park, MD, University of California, Los Angeles

7:29 am – 7:35 am Longitudinal Murine Model Of Allograft Infection: Evidence For Paradigm Shift?
Stephen Zoller, MD, University of California, Los Angeles

7:35 am – 7:41 am Radiographic Risk Factors For Loss Of Fixation Following Volar Plate Fixation Of Intra-Articular Distal Radius Fractures
Jason H. Ghodasra, MD, MSCI, University of California, Los Angeles

7:41 am – 7:47 am Comparison Of Short-Term Biodex Results After Anatomic ACL Reconstruction Between Three Autografts
Jonathan D. Hughes, MD, Scott and White Medical Center

7:47 am – 7:55 am Discussion

Concurrent PA Session 2 -- Foot & Ankle With Saw Bones Session

Moderator: Theodore W. Coates, PA-C

7:05 am – 8:30 am Do Not Miss These Injuries Of The Foot & Ankle

Chris D. Kreulen, MD, University of California, Davis

Rapid Fire Session 5A – Sports Medicine

Moderator: Richard A Marder, MD, *UC Davis School of Medicine*
Jonathan T. Bravman MD, *CU Sports Medicine*

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| 8:00 am – 8:04 am | Concomitant Shoulder And Cervical Spine Pathology: Diagnosis And Management Trends
<i>James B. Chen, MD, University of California, Los Angeles</i> |
| 8:04 am – 8:08 am | Should Pre-Operative Fascia Iliaca Block Be Used For Hip Arthroscopy?
<i>Michael J. Huang, MD, Colorado Springs Orthopaedic Group</i>
<i>*Presented by Jennifer J. Wages, PhD, ATC</i> |
| 8:08 am – 8:12 am | Teres Minor Fatty Infiltration Affects Outcomes Following Rotator Cuff Surgery
<i>Eric J. Sarkissian, MD, Stanford Hospital and Clinics</i> |
| 8:12 am – 8:18 am | Discussion |
| 8:18 am – 8:22 am | Wearable Sensors Allow Measurement Of Resident Improvement In Arthroscopic Simulation
<i>Peters T. Otlans, MD, MPH, Oregon Health & Science University</i> |
| 8:22 am – 8:26 am | Predicting Injury In Collegiate Athletes Using The Y-Balance Test
<i>Wilson Lai, BS, University of California, Los Angeles</i>
<i>*Presented by James B. Chen, MD</i> |
| 8:26 am – 8:30 am | Effect Of Graft Prouddness On OCA Contact Forces
<i>Peter Z. Du, BS, University of California Los Angeles</i> |
| 8:30 am – 8:34 am | A Comparison Of Ankle Sprains In A Division I Collegiate Football Team
<i>Colin Mansfield, MD, University of Southern California</i>
<i>*Presented by Seth Gamradt, MD</i> |
| 8:34 am – 8:40 am | Discussion |

Rapid Fire Session 5B - Trauma

Moderator: Julius A. Bishop, MD, *Stanford Hospital & Clinics*
Payam Tabrizi, MD, *The Hughston Clinic/Memorial Hospital*

8:00 am – 8:04 am	Risk Of Delirium After Intramedullary Nailing For Intertrochanteric Hip Fracture <i>Dayton Opel, MD, Oregon Health & Science University</i>
8:04 am – 8:08 am	The Crush Index: Orthopaedic Trauma As An Economic Indicator <i>Armin Arshi, MD, University of California, Los Angeles</i>
8:08 am – 8:12 am	Effect Of Hypoalbuminemia On Perioperative Complications In Ankle Fracture Fixation <i>Collin Barber, MD, Banner Health</i>
8:12 am – 8:18 am	Discussion
8:18 am – 8:22 am	The Utility Of Immediate Postoperative Radiographs After Fluoroscopy-Assisted Fracture Fixation <i>Tony Pedri, MD, University of New Mexico Health Sciences Center</i>
8:22 am – 8:26 am	Are Retrograde Nails Better For Distal Femur Fractures In Obese Patients? <i>Kevin Murr, MD, Harborview Medical Center</i> <i>*Presented by Conor Kleweno, MD</i>
8:26 am – 8:30 am	Acetabular Fractures: Emergence Of Total Hip Arthroplasty As Index Procedure <i>John Garlich, MD, Cedars Sinai Medical Center</i>
8:30 am – 8:34 am	Operative versus Non-Operative Management Of Traumatic Arthrotomies From Gun Shot Wounds <i>Christopher Shultz, MD, University of New Mexico</i>
8:34 am – 8:40 am	Discussion

Rapid Fire Session 5C – Total Hip

Moderator: Brian A. Jewett, MD, *Slocum Orthopedics*
David H. Chafey III, MD, *University of New Mexico*

8:00 am – 8:04 am	The Burden Of Revision Total Hip Arthroplasty In The United States <i>Sean S. Rajaei, MD, Cedars-Sinai Medical Center</i>
8:04 am – 8:08 am	Obesity Is Associated With Revision Hip Arthroplasty For Infection And Early Loosening <i>L. Henry Goodnough, MD, PhD, Stanford Hospitals and Clinics</i>

8:08 am – 8:12 am	Complications In Computer Navigated Vs Conventional Total Hip Arthroplasty <i>Blake K. Montgomery, MD, Stanford University</i> <i>*Presented by Derek Amanatullah, MD, PhD</i>
8:12 am – 8:18 am	Discussion
8:18 am – 8:22 am	Prospective, Multi-Centered, Non-Randomized, Post-Approval Study: Longitudinal Evaluation Of The Long-Term Safety And Efficacy Of The BHR System <i>Lawrence Housman, MD, Tucson Orthopaedic Institute</i>
8:22 am – 8:26 am	Total Hip Arthroplasty: Association Of Comorbidities And Discharge Destination <i>Cory Janney, MD, University of Texas Medical Branch</i>
8:26 am – 8:30 am	A Rosetta Stone For THA: Translating Expectations Into Patient Reported Outcomes <i>Adam Sassoon, MD, MS, University of Washington</i>
8:30 am – 8:34 am	Factor Xa Inhibitors Outperform Traditional Anticoagulants In Total Hip Arthroplasty <i>Abiram Bala, MD, Stanford University</i> <i>*Presented by Derek Amanatullah, MD, PhD</i>
8:34 am – 8:40 am	Discussion
Rapid Fire Session 5D – Total Knee	
Moderator: Jeffrey Nakano, MD, <i>Rocky Mountain Orthopaedic Associates</i> Jay R. Lieberman, MD, <i>University of Southern California</i>	
8:00 am – 8:04 am	Does Intrathecal Morphine Have A Role In Modern Joint Arthroplasty? <i>Jonathan Cheah, MD, University of California, San Francisco</i>
8:04 am – 8:08 am	Proximalization Of The Tibial Tubercle Osteotomy: A Solution For Patella Infera During Revision Total Knee Arthroplasty <i>Alexander M. DeHaan, MD, Orthopaedic and Fracture Specialists</i>
8:08 am – 8:12 am	Cluster Analysis Reveals Functional Trajectories Following Total Knee Arthroplasty <i>Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center</i>
8:12 am – 8:18 am	Discussion

8:18 am – 8:22 am	Post Market Surveillance Using Patient Reported Outcome Measures <i>Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center</i>
8:22 am – 8:26 am	The Effect Of Preoperative Malnutrition On Postoperative Stamina In Total Joint Arthroplasty Patients <i>Travis C. Philipp, MD, Oregon Health and Science University</i>
8:26 am – 8:30 am	Consequences Of Increasing Insert Thickness In Total Knee Arthroplasty <i>Trevor J. Shelton, MD, University of California, Davis</i>
8:30 am – 8:34 am	Analysis Of Spanish vs English Speaking Patients Undergoing Total Knee Arthroplasty <i>Adam Wright, MD, Baylor Scott and White</i> <i>*Presented by Nathan Haile, MD</i>
8:34 am – 8:40 am	Discussion
8:40 am – 9:00 am	<i>Break – Please visit Exhibit</i>

General Session 6 –BOC Report & Howard Steel Lecture

Moderator:

9:00 am – 9:05 am	BOC Report <i>Bryan S. Moon, MD, MD Anderson Cancer Center</i>
9:05 am – 9:10 am	WOF Report <i>Robert R. Slater, Jr., MD, Folsom, CA</i>
9:10 am – 9:15 am	Introduction of Howard Steel Lecturer <i>Robert R. Slater, Jr., MD, Folsom, CA</i>
9:15 am – 10:05 am	Howard Steel Lecture The Golden Age of Spaceflight <i>Walter Cunningham, Houston, TX</i>
10:05 am – 10:25 am	<i>Break – Please visit Exhibit</i>

Symposium 4 – Sports Medicine

Moderator: Omer A. Ilahi, MD, *South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute*

10:25 am – 10:40 am	Treating Patellofemoral Instability
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Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

10:40 am – 10:55 am	Reconstruction Of The Superior Gleno-Humeral Capsule <i>Stephen S. Burkhart, MD, The San Antonio Orthopaedic Group</i>
10:55 am – 11:10 am	ACL Graft Choices & Femoral Drilling Techniques <i>David J. Mansfield, MD, El Paso Orthopaedic Surgery Group</i>
11:10 am -11:25 am	Discussion
11:25 am – 12:25 pm	WOA Luncheon - Industry Presentation *CME Credit Not Available

Symposium 5 – Impact Of Innovative Procedures And Techniques Utilized For Hand, Wrist, and Elbow Disorders on Patient Outcomes: Is Novel Always Better?

Moderator: Thomas R. Hunt, MD, *Baylor College of Medicine*

12:25 pm – 12:35 pm	Innovation in Medicine and Its Impact on Quality of Care <i>Thomas R. Hunt, MD, Baylor College of Medicine</i>
12:35 pm – 12:50 pm	Innovation in Pediatric Orthopedics: Impact on Patient Outcome <i>Pamela J. Sherman, MD, Cook Children’s Medical Center</i>
12:50 pm – 1:05 pm	Innovation in the Care of Wrist Disorders: Impact on Patient Outcome <i>Brian D. Adams, MD, Baylor College of Medicine</i>
1:05 pm – 1:20 pm	Innovation in Upper Extremity Fracture Care: Impact on Patient Outcome <i>Scott A. Mitchell, MD, Baylor College of Medicine</i>
1:20 pm – 1:25 pm	Discussion
1:30 pm – 2:30 pm	Scientific E-Poster Session (Presenters will be available to answer questions.)
2:30 pm – 3:30 pm	Multimedia Education Session

Saturday, August 5

6:00 am – 7:00 am	Scientific E-Poster Session (Presenters will be available to answer questions.)
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7:00 am – 7:15 am

Second Business Meeting

Symposium 6 – Trauma

Moderator: Kyle F. Dickson, MD, *South West Orthopedic Group*

7:15 am – 7:30 am

Open Fractures, Especially Of The Tibia
Kyle F. Dickson, MD, South West Orthopedic Group

7:30 am – 7:45 am

Evaluating Cervical Spine Injuries
Rex A. Marco, MD, Houston Methodist Hospital

7:45 am – 8:00 am

New Perspectives in the Treatment of Osteomyelitis
David W. Lowenberg, MD, Stanford University School of Medicine

8:00 am – 8:15 am

Discussion

8:15 am – 8:45 am

WOA Brunch Presentation
*CME Credit Not Available

Symposium 7 – Physician-Hospital Relationships

Moderator: Basil R. Besh, MD, *Fremont Orthopaedic & Rehabilitative Medicine*

8:45 am – 8:50 am

Orthopedics Without A Hospital
Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine

8:50 am – 8:55 am

Current Economics of Orthopaedic Private Practice Model
Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

8:55 am – 9:00 am

Partnering with a Hospital in a Surgery Co-Management Model
Usman Mirza, MBA, The San Antonio Orthopaedic Group

9:00 am – 9:05 am

Discussion

Rapid Fire Session 7A – Total Hip

Moderator: Brian A. Jewett, MD, *Slocum Orthopedics*
Jay R. Lieberman, MD, *University of Southern California*

9:10 am – 9:14 am

Outpatient Total Hip Arthroplasty In The United States: A Population-Based Comparative Analysis Of Complication Rates
Armin Arshi, MD, University of California, Los Angeles

9:14 am – 9:18 am

Utility Of Intraoperative Fluoroscopic Positioning Of THA Components

Christopher M. Belyea, MD, Tripler Army Medical Center

9:18 am – 9:22 am Outcomes Of A New 3D Porous Metal Acetabular Component
Tyler D. Goldberg, MD, Texas Orthopedics, Sports and Rehabilitation
**Presented by Andrea Torres*

9:22 am – 9:26 am Efficacy Of Hepatitis C Screening Prior To Total Hip Arthroplasty
Nathan Haile, MD, Baylor Scott and White Healthcare/Texas A&M Health Science Center

9:26 am – 9:30 am Discussion

9:30 am – 9:34 am Efficacy of Hemoglobin A1c Screening Prior to Total Hip Arthroplasty
Nathan Haile, MD, Baylor Scott and White Healthcare/Texas A&M Health Science Center

9:34 am – 9:38 am Femoral Neck Exposure For The Smith-Peterson Versus The Watson-Jones Approach
John Paul Kleimeyer, MD, Stanford University

9:38 am – 9:42 am Does Approach Affect Objective Functional Outcomes In Total Hip Arthroplasty?
Christopher Joyce, MD, University of Colorado

9:42 am – 9:46 am Abductor Repair In Patients With and Without Total Hip Arthroplasty
Ruwan Ratnayake, MD, UC Davis Medical Center

9:46 am – 9:50 am Discussion

Rapid Fire Session 7B – Sports Medicine

Moderator: Richard A Marder, MD, *UC Davis School of Medicine*
 Jonathan T. Bravman MD, *CU Sports Medicine*

9:10 am – 9:14 am Measurement Of Intra-articular Length For All-Inside Anterior Cruciate Ligament Reconstruction
Jonathan-James Eno, MD, Stanford University
**Presented by Brian Karamian, MD*

9:14 am – 9:18 am The Diagnostic Accuracy Of Three Physical Exam Maneuvers In The Diagnosis Of Hip Microinstability
Daniel Hoppe, MD, University of Toronto
**Presented by Lauren Shapiro, MD*

9:18 am – 9:22 am	Comparison Of Patient-Reported Outcomes A Minimum 2 Years After Anatomic ACL Reconstruction Between Four Graft Types <i>Jonathan D. Hughes, MD, Scott and White Medical Center</i>
9:22 am – 9:26 am	A Biomechanical Comparison Of Arciero And Laprade Posterolateral Corner Reconstruction <i>Paul J. Johnson, MD, MS, University of New Mexico Health Sciences Center</i>
9:26 am – 9:30 am	Discussion
9:30 am – 9:34 am	High Variability In Evaluating Articular Cartilage Lesions In Clinical Studies <i>William Sheppard, BS, University of California, Los Angeles</i> <i>*Presented by Armin Arshi, MD</i>
9:34 am – 9:38 am	Use Of Bipolar Radiofrequency For The Treatment Of Tendonosis <i>James P. Tasto, MD, San Diego Sports Medicine and Orthopaedic Center</i>
9:38 am – 9:42 am	Pectoralis Major Tendon Repair: A Meta-Analysis Comparing Different Surgical Techniques <i>Peter S. Vezeridis, MD, University of California</i>
9:42 am – 9:46 am	Crossover Sign In Dysplasia: Not Uncommon And Do Not Resect! <i>Dean K. Matsuda, MD, DISC Sports and Spine</i>
9:46 am – 9:50 am	Discussion

Rapid Fire Session 7C – Foot & Ankle

Moderator: Julius A. Bishop, MD, *Stanford Hospital & Clinics*
Kenneth J. Hunt, MD, *University of Colorado*

9:10 am – 9:14 am	Trends Associated With Surgical Fixation Of Lisfranc Injuries In The United States <i>Evan E. Vellios, MD, University of California, Los Angeles</i>
9:14 am – 9:18 am	Orthopaedists Have Less Complications Following Ankle Fracture Fixation Than Podiatrists <i>Jeremy Y. Chan, MD, Stanford University</i>
9:18 am – 9:22 am	Unrestricted Weightbearing With Stirrup Brace Following Lateral Ankle Ligament Stabilization

Christopher Diefenbach, MD, Reno Orthopedic Clinic
**Presented by Gregory A. Lundeen*

- 9:22 am – 9:26 am Responsiveness Of Patient Reported Outcome Measures For Foot And Ankle Surgery
Ajay Gurbani, MD, University of California Los Angeles
- 9:26 am – 9:30 am Discussion
- 9:30 am – 9:34 am Early Weight Bearing As Tolerated After ORIF Of Ankle Fracture
Michael Orden, MD, University of California, Los Angeles
- 9:34 am – 9:38 am The Role Of Fixation Of The Lateral Process Of The Talus In Development Of Subtalar Arthritis In Patients With A Talar Neck Or Body Fracture
Nicholas Romeo, DO, Harborview Medical Center/University of Washington
**Presented by Reza Firoozabadi, MD*
- 9:38 am – 9:42 am A National Comparison Of Total Ankle Replacement Versus Arthrodesis
Andrew F. Sabour, BS, University of Southern California
- 9:42 am – 9:46 am Factors Reducing The Complication Rate And Improving The Success Rate For Initiating A Total Ankle Arthroplasty Program
Kaitlin Neary, MD, Reno Orthopaedic Clinic
**Presented by Gregg Lundeen, MD*
- 9:46 am – 9:50 am Discussion

Rapid Fire Session 7D - Other

Moderator: Meghan Imrie, MD, *Stanford School of Medicine*

- 9:10 am – 9:14 am Factors That Impact The Residency Match: Research, Medical School, And Honor Society Membership
Sean T. Campbell, MD, Stanford University
- 9:14 am – 9:18 am What Makes Journal Club Effective?: A Survey Of Orthopaedic Residents And Faculty
Sean T. Campbell, MD, Stanford University
- 9:18 am – 9:22 am Perioperative Antibiotic Prophylaxis With Both Vancomycin And Cefazolin Prior To Primary Hip And Knee Arthroplasty: A Safety And Efficacy Analysis
Alexander M. DeHaan, MD, Orthopaedic and Fracture Specialists

9:22 am – 9:26 am	Hierarchical-Modeling Versus Traditional-Regression For Studies Utilizing The National Inpatient Sample <i>Joshua W. Hustedt, MD, MHS, University of Arizona</i>
9:26 am – 9:30 am	Discussion
9:30 am – 9:34 am	Personal Physician Characteristics Adversely Affect Patient Satisfaction In Orthopaedic Surgery <i>Laura Y. Lu, BS, Stanford University</i>
9:34 am – 9:38 am	Resident Involvement In Hip Fracture Surgery Affects Patient Outcomes <i>Dayton Opel, MD, Oregon Health & Science University</i>
9:38 am – 9:42 am	Electronic Medical Record Impact On Physician-Patient Interaction In Orthopaedics <i>Jean-Christophe N. Rwigema, BS, University of Southern California</i>
9:42 am – 9:46 am	Are Surgical Skills Under-Emphasized In Disaster Response Literature? <i>Steven Wilding, MD, Tripler Army Medical Center</i> <i>*Presented by CPT J. Banks Deal Jr., MD</i>
9:46 am – 9:50 am	Discussion

Concurrent PA Session 3 -- MR Imaging Interpretation

Moderator: Theodore W. Coates, PA-C

9:10 am – 9:55 am	MR Imaging of the Knee And Shoulder <i>Russell C. Fritz, MD, National Orthopaedic Imaging Associates, Novato, CA</i>
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9:50 am – 10:15 am	Break – Visit Exhibits
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General Session 8 – OREF Update & Presidential Address

Moderator: Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

10:15 am – 10:20 am	OREF Update <i>William C. McMaster, MD, UCI Medical Center Orthopaedics</i>
10:20 am – 10:50 am	Presidential Address Grand, High Views Of The WOA And The WOF: Understanding Where We've Been To Predict Where We're Going <i>Robert R. Slater, Jr., MD, Folsom, CA</i>

10:50 am – 11:00 am

Refreshment Break

General Session 9 – Sports Medicine/Other/Trauma

Moderator: TBD

11:00 am – 11:06 am

A Novel Approach To Detection Of Acetabular Cartilage
Delamination In FAI Patients
Alan L. Zhang, MD, University of California, San Francisco

11:06 am – 11:12 am

Enhanced ACL Graft Incorporation by Novel Minimally
Invasive Activation of Endogenous Stem Cells
Thomas Kremen, MD, Cedars-Sinai Medical Center

11:12 am – 11:18 am

Iliopsoas Related Pathology: Prevalence, Associated Findings,
And Surgical Procedures From A Large Multicenter Hip
Arthroscopy Study Group
Dean K. Matsuda, MD, DISC Sports and Spine

11:18 am – 11:24 am

Intraoperative Methylene Blue Staining Allows Visualization of
Microbial Biofilm-Associated Tissue in Periprosthetic Joint
Infection
Jeremy D. Shaw, MD, University of California, San Francisco
**Presented by Jonathan Cheah, MD*

11:24 am – 11:30 am

Orthopaedic Resident Practice Management And Policy
Education: Experience And Expectations
*Eugene F. Stautberg III, MD, University of Texas Medical
Branch*

11:30 am – 11:36 am

Chemoprophylaxis Does Not Prevent Relevant VTE After
Fracture Surgery Below The Knee
*Joseph T. Patterson, MD, Orthopaedic Trauma Institute,
University of California San Francisco*

11:36 am – 11:45 am

Discussion

**Concurrent PA Session 4 - Fractures Of The Hand And Wrist – Share Interesting Cases for
Interactive Review**

Moderator: Theodore W. Coates, PA-C

A unique opportunity to review and discuss cases ranging from everyday fractures to obscure events with your peers. Rehearse your case presentation with the group and obtain constructive feedback. Everyone will benefit from the experience; a refresher on the basics and a means to gain a few new clinical pearls.

11:00 am – 12:30 am *Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine*

Rapid Fire Session 10A – Total Knee

Moderator: Jeffrey Nakano, MD, *Rocky Mountain Orthopaedic Associates*
 David H. Chafey III, MD, *University of New Mexico*

11:50 am – 11:54 am Varus And Valgus Deformities Have Different Compartment Forces After TKA
Trevor J. Shelton, MD, University of California, Davis

11:54 am – 11:58 am Predictive Factors Of Failure Of Polyethylene Liner Exchange In Treatment Of Periprosthetic Knee Infections
David Sun, MD, Baylor College of Medicine

11:58 am – 12:02 pm Mechanical Multidirectional Instability After Primary Knees Associated With Metal Ion Allergy
Gerhard E. Maale III, MD, Medical City Hospital

12:02 pm – 12:08 pm Discussion

12:08 pm – 12:12 pm Factor-Xa Inhibitors And Aspirin Outperform Traditional Anticoagulants In Total Knee
Abiram Bala, MD, Stanford University
**Presented by Derek Amanatullah, MD, PhD*

12:12 pm – 12:16 pm The Linea Aspera As A Marker For Intraoperative Femoral Rotation
Cody Covington, MD, Baylor Scott & White Medical Center

12:16 pm – 12:20 pm A Rosetta Stone For TKA: Translating Expectations Into Patient Reported Outcomes
Adam Sassoon, MD, MS, University of Washington

12:20 pm – 12:24 pm Distal Femoral Osteotomy Trends And Survivorship: A Population-Based Study
K. Soraya Heidari, BA, University of Southern California

12:24 pm – 12:30 pm Discussion

Rapid Fire Session 10B – Upper Extremity

Moderator: Robert R. Slater, Jr., MD, *Folsom, CA*

11:50 am – 11:54 am Cost Minimization Analysis Of The Treatment Distal Radius Fractures In The Elderly
Eric Q. Pang, MD, Stanford University

**Presented by Robin N. Kamal, MD*

11:54 am – 11:58 am	Proximal Interphalangeal Collateral Ligament Cadaveric Study <i>John G. Coury, DO, Valley Orthopedic Surgery Residency</i> <i>*Presented by Jason Ummel, DO</i>
11:58 am – 12:02 pm	Determining Insertion Of Digital Extensor Mechanism Terminal Tendon Using Lunula <i>Jeff Jett, DO, Valley Orthopedic Surgery Residency</i> <i>*Presented by Jason Ummel, DO</i>
12:02 pm – 12:08 pm	Discussion
12:08 pm – 12:12 pm	Relevant Insertion Site Anatomy Of The Conventus Distal Radius System <i>Jacob Duncan, DO, MD, Valley Orthopaedic Surgery Residency</i>
12:12 pm – 12:16 pm	The Effects Of Prior Cervical Fusion On Outcomes And Early Complications After Shoulder Arthroplasty <i>Jennifer Tangtiphaiboontana, MD, University of California, San Francisco</i>
12:16 pm – 12:20 pm	Trans-Brachioradialis Approach To Radial Tunnel, Anatomic Study Of Compression Sites <i>Jason Ummel, DO, Valley Orthopaedic Surgery Residency</i>
12:20 pm – 12:24 pm	Dorsal Distraction Distal Radius Plating Fractures With Dorsal Marginal Impaction <i>Eric Huish, DO, Valley Orthopaedic Surgery Residency</i> <i>*Presented by Jacob Duncan, DO, MD</i>
12:24 pm – 12:30 pm	Discussion

Rapid Fire Session 10C - Spine

Moderator: Rex A. Marco, MD, *Houston Methodist Hospital*

11:50 am – 11:54 am	Outcomes For Adult Spinal Deformity Correction; Staged Versus Same-day Surgery <i>Alexander Arzeno, MD, Stanford University</i>
11:54 am – 11:58 am	ALIF vs. AxiaLIF At The Bottom Of A Long Construct In CMIS Treatment Of Adult Spinal Deformity <i>Alisa Alayan, MD, Cedars Sinai Medical Center</i>
11:58 am – 12:02 pm	A Prospective, Randomized Study Of Patient Controlled Epidural Analgesia Versus Patient Controlled Intravenous Analgesia For Postoperative Pain Control After 1- And 2-Level Lumbar Fusions

Alexander Arzeno, MD, Stanford University

- 12:02 pm – 12:08 pm Discussion
- 12:08 pm – 12:12 pm Lifelong Antibiotic Suppression For Infected Instrumented Spines – Fact Or Myth?
Krishn Khanna, MD, University of California, San Francisco
- 12:12 pm – 12:16 pm Improved Biomechanics Of Two Alternative Kyphoplasty Cementation Methods
John Paul Kleimeyer, MD, Stanford University
- 12:16 pm – 12:20 pm Is Two Better Than One? Infection Rates And Bacterial Resistance Following Prophylactic Administration Of Vancomycin IV In Addition To Standard Prophylactic Antibiotics In Spinal Instrumentation Surgery
Howard Y. Park, MD, University of California, Los Angeles
- 12:20 pm – 12:24 pm Single Position Versus Lateral-Then-Prone Positioning For Lateral Interbody Fusions And Pedicle Screw Fixation
Chason Ziino, MD, Stanford University
**Presented by Ashley Aratani, MD*
- 12:24 pm – 12:30 pm Discussion

Rapid Fire Session 10D - Pediatrics

Moderator: Meghan Imrie, MD, *Stanford School of Medicine*

- 11:50 am – 11:54 am Does Pre-Culture Antibiotics Cause Non-Diagnostic Results In Pediatric Musculoskeletal Infections
Michael Basso-Williams, DO, MPH, Riverside University Health System Medical Center
- 11:54 am – 11:58 am The National Incidence Of Failed Initial Irrigation And Debridement For Pediatric Septic Hip
Ram Alluri, MD, University of Southern California
- 11:58 am – 12:02 pm Single Incision Pediatric Flexible Intramedullary Tibial Nailing
Zachary C. Lum, DO, Valley Orthopaedic Surgery Residency
**Presented by Joseph Humpherys*
- 12:02 pm – 12:08 pm Discussion
- 12:08 pm – 12:12 pm Is The Bernese Periacetabular Osteotomy Safe For The Treatment Of Hip Dysplasia When The Triradiate Cartilage Is Still Open? A Preliminary Study

Stephanie Pun, MD, Stanford University

12:12 pm – 12:16 pm

The S Sign: A New Radiographic Tool To Aid In The Diagnosis
Of Slipped Capital Femoral Epiphysis
Eric J. Rebich, DO, Riverside University Health System

12:16 pm – 12:20 pm

Clinical Outcomes Of Articular Cartilage Restoration Of The
Pediatric And Adolescent Knee With Respect To Minimal
Clinically Important Difference: A Systematic Review
Rosa S. Valtanen, BS, University of California, Los Angeles

12:20 pm – 12:24 pm

Short Leg Cast Immobilization Of Distal Tibial Physeal Fractures
*Clayton Vaughan, MD, Baylor Scott and White Memorial
Hospital*

12:24 pm – 12:30 pm

Discussion

12:30 pm – 1:30 pm

Multimedia Education Session