WOA Tentative Scientific Program
Grand Hyatt Kauai Resort
Kauai, HI
Grand Ballrooms 1, 6 & 7
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 *(Kauai Ballrooms 1, 2, 3 & 4)*  
(Presenters will be available to answer questions.)

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

7:00 am – 7:15 am  
Welcome, 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, *Southwest 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 J. Kremen Jr., 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
Gregory A. Lundeen, MD, MPH, Reno Orthopaedic Clinic

8:04 am – 8:16 am   Lisfranc Joint Injuries
Thomas G. Harris, MD, Congress Orthopaedic Associates

8:16 am – 8:28 am   Talar OCD Management
Kenneth J. Hunt, MD, University of Colorado

8:28 am – 8:40 am   Discussion

8:40 am – 9:00 am   Break – Please visit Exhibits (Grand Ballrooms 2, 3, 4 & 5)

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
Fred C. Redfern, MD, Henderson, NV

9:05 am – 9:20 am   AAOS Report
William J. Maloney III, MD, Stanford School of Medicine

9:20 am – 9:50 am   Presidential Guest Speaker
Impact Developments in Hand During My Lifetime
Peter J. Stern, MD, University of Cincinnati College of Medicine

Rapid Fire Session 3A – Trauma (Kauai Ballroom 1)
Moderators:    Milton “Chip” Routt Jr., MD, University of Texas Health Science Center
               Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital

9:55 am – 9:59 am   Nationwide Analysis of Femoral Neck Fractures: A Receding Tide
Derek G. Ju, MD, Cedars-Sinai Medical Center

9:59 am – 10:03 am   Complications Associated with Distal Femoral, Proximal Tibial, and Calcaneal Traction Pins
Michael Stefl, MD, University of Southern California

10:03 am – 10:07 am   Are Factor Xa Inhibitors Effective Thromboprophylaxis after Hip Fracture Fixation?
Abiram Bala, MD, Stanford University
*Presented by Julius A. Bishop, MD

10:07 am – 10:10 am   Discussion

10:10 am – 10:14 am   Outcomes of Nonoperatively Managed Patella Fractures
Joseph D. Cooper, MD, University of Southern California
*Presented by Mary Kate Erdman, MD
10:14 am – 10:18 am  
Radiographic Variance of Tibial Plateau Anatomy- Reference to Plateau Fractures  
*Adam Johannsen, MD, Stanford University*

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** *(Kauai Ballroom 2)*  
Moderators: Kimberly L. Furry, MD, *Mercy Orthopedics Associates*  
Jonathan T. Bravman MD, *CU Sports Medicine*

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 D. 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 (Kauai Ballroom 3)
Moderators: 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
Vishal V. Hegde, MD, University of California, Los Angeles

9:59 am – 10:03 am  Role of Inflammatory Markers in the Pre-Operative Evaluation of Patients Undergoing Total Hip Arthroplasty Salvage Procedure
Jessica Hughes, MD, Baylor Scott and White

10:03 am – 10:07 am  3-D Prosthetic Reconstructions Types 1-2, and Bilateral 1Pelvic Resections
Gerhard E. Maale III, MD, Medical City Hospital

10:07 am – 10:10 am  Discussion

10:10 am – 10:14 am  Is There a Delay to Achieve Stable Compressive Osseointegration Fixation?
Dayton Opel, MD, Oregon Health & Science University

10:14 am – 10:18 am  Magnetic Growing Intramedullary Nails with Intercalary Allograft after Tumor Resection
Robert C. Vercio, MD, Loma Linda University Health

10:18 am – 10:22 am  Gait Outcomes after Proximal Tibial Replacement in Oncology
Kent T. Yamaguchi Jr., MD, University of California, Los Angeles

10:22 am – 10:25 am  Discussion

Rapid Fire Session 3D – Basic Science (Kauai Ballroom 4)
Moderators: 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
Gregory J. Adamson, MD, Congress Medical Foundation

9:59 am – 10:03 am  Temperatures with K-Wires Using Two Drilling Methods: Forward and Oscillation
Scott Anderson, MD, Loma Linda University

10:03 am – 10:07 am  Myogene mRNA Expression Following Rotator Cuff Injury
Allison Ariniello, BS, University of California, Los Angeles
10:07 am – 10:10 am            Discussion

10:10 am – 10:14 am            Controversies in Fracture Healing: Early, Late or Reverse Dynamization?
Blake J. Schultz, MD, Stanford University
*Presented by Douglas 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 Allied Health Session 1 – Knee & Shoulder (Kauai Ballrooms 5 & 6)
Moderator:  Theodore W. Coates, PA-C, University of California, Davis

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 (Grand Ballrooms 2, 3, 4 & 5)

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 B. 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
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
David C. Ring, MD, PhD, Dell Medical School, The University of Texas at Austin
Marc M. DeHart, MD, University of Texas Health Science Center
William J. Maloney III, MD, Stanford School of Medicine
Bess Brackett, MD, SAMGI
C. Lowry Barnes, MD, University of Arkansas for Medical Sciences
James T. Guille, MD, Brandywine Institute of Orthopaedics
Matthew J. Matava, MD, Washington University School of Medicine

1:35 pm – 1:45 pm
Discussion

1:45 pm – 2:45 pm
Scientific E-Poster Session *(Kauai Ballrooms 1, 2, 3 & 4)*
(Presenters will be available to answer questions.)

1:45 pm – 2:45 pm
Legally Mine

Resident Review Program *(Kauai Ballrooms 5 & 6)*
Moderator: Jennifer van Warmerdam, MD, St. Mary's Medical Center Total Joint Center

1:45 pm – 2:15 pm
The Time Machine: A History of Orthopaedics
Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital

2:15 pm – 3:00 pm
Transitioning from Training to Practice
Debra Phairas, Practice & Liability Consultants, LLC

3:00 pm – 3:45 pm
Physician Practice Options
Debra Phairas, Practice & Liability Consultants, LLC

3:45 pm – 4:15 pm
How to Give a Presentation at a National Meeting
Milton “Chip” Routt Jr., MD, University of Texas Health Science Center

4:15 pm – 4:45 pm
How to Review Your First Employment Contract
Rosalyn Nguyen JD, MBA, Presbyterian Healthcare Services

4:45 pm – 5:00 pm
Discussion

2:45 pm – 5:00 pm
Multimedia Education Session *(Garden Isle Room 2)*
Friday, August 4

6:00 am – 7:00 am  Scientific E-Poster Session (Kauai Ballrooms 1, 2, 3 & 4) (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, Southwest 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 V. 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 D. 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 Allied Health Session 2 – Foot & Ankle with Saw Bones Session (Kauai Ballrooms 5 & 6)
Moderator: Theodore W. Coates, PA-C, University of California, Davis

7:05 am – 8:30 am Do Not Miss These Injuries of the Foot & Ankle
Christopher D. Kreulen, MD, University of California, Davis

Rapid Fire Session 5A – Sports Medicine (Kauai Ballroom 1)
Moderators: Richard A. Marder, MD, UC Davis School of Medicine
Jonathan T. Bravman MD, CU Sports Medicine

8:00 am – 8:04 am Concomitant Shoulder and Cervical Spine Pathology: Diagnosis and Management Trends
James B. Chen, MD, University of California, Los Angeles

8:04 am – 8:08 am Should Pre-Operative Fascia Iliaca Block Be Used for Hip Arthroscopy?
Michael J. Huang, MD, Colorado Springs Orthopaedic Group
*Presented by Jennifer J. Wages, PhD, ATC

8:08 am – 8:12 am Teres Minor Fatty Infiltration Affects Outcomes Following Rotator Cuff Surgery
Eric J. Sarkissian, MD, Stanford Hospital & Clinics

8:12 am – 8:18 am Discussion

8:18 am – 8:22 am Wearable Sensors Allow Measurement of Resident Improvement in Arthroscopic Simulation
Peters T. Otlans, MD, MPH, Oregon Health & Science University

8:22 am – 8:26 am Predicting Injury in Collegiate Athletes Using the Y-Balance Test
Wilson Lai, BS, University of California, Los Angeles
*Presented by James B. Chen, MD

8:26 am – 8:30 am Effect of Graft Proudness on OCA Contact Forces
Peter Z. Du, BS, University of California Los Angeles

8:30 am – 8:34 am A Comparison of Ankle Sprains in a Division I Collegiate Football Team
Colin M. Mansfield, MD, University of Southern California
*Presented by Seth C. Gamradt, MD

8:34 am – 8:40 am Discussion

Rapid Fire Session 5B – Trauma (Kauai Ballroom 2)
Moderators: 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  
Dayton Opel, MD, Oregon Health & Science University

8:04 am – 8:08 am  
The Crush Index: Orthopaedic Trauma as an Economic Indicator  
Armin Arshi, MD, University of California, Los Angeles

8:08 am – 8:12 am  
Effect of Hypoalbuminemia on Perioperative Complications in Ankle Fracture Fixation  
Collin Barber, MD, Banner Health

8:12 am – 8:18 am  
Discussion

8:18 am – 8:22 am  
The Utility of Immediate Postoperative Radiographs after Fluoroscopy-Assisted Fracture Fixation  
Tony Pedri, MD, University of New Mexico Health Sciences Center

8:22 am – 8:26 am  
Are Retrograde Nails Better for Distal Femur Fractures in Obese Patients?  
Kevin A. Murr, MD, Harborview Medical Center  
*Presented by Conor P. Kleweno, MD

8:26 am – 8:30 am  
Acetabular Fractures: Emergence of Total Hip Arthroplasty as Index Procedure  
John Garlich, MD, Cedars Sinai Medical Center

8:30 am – 8:34 am  
Operative versus Non-Operative Management of Traumatic Arthrotomies from Gun Shot Wounds  
Christopher Shultz, MD, University of New Mexico

8:34 am – 8:40 am  
Discussion

Rapid Fire Session 5C – Total Hip (Kauai Ballroom 3)  
Moderators: Brian A. Jewett, MD, Slocum Orthopedics  
Richard Gehlert, MD, University of New Mexico

8:00 am – 8:04 am  
The Burden of Revision Total Hip Arthroplasty in the United States  
Sean S. Rajaee, MD, Cedars-Sinai Medical Center

8:04 am – 8:08 am  
Obesity is Associated with Revision Hip Arthroplasty for Infection and Early Loosening
8:08 am – 8:12 am Complications in Computer Navigated vs Conventional Total Hip Arthroplasty
Blake K. Montgomery, MD, Stanford University
*Presented by Derek F. Amanatullah, MD, PhD

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
Lawrence R. Housman, MD, Tucson Orthopaedic Institute

8:22 am – 8:26 am Total Hip Arthroplasty: Association of Comorbidities and Discharge Destination
Cory Janney, MD, University of Texas Medical Branch

8:26 am – 8:30 am A Rosetta Stone for THA: Translating Expectations into Patient Reported Outcomes
Adam A. Sassoon, MD, MS, University of Washington

8:30 am – 8:34 am Factor Xa Inhibitors Outperform Traditional Anticoagulants in Total Hip Arthroplasty
Abiram Bala, MD, Stanford University
*Presented by Derek F. Amanatullah, MD, PhD

8:34 am – 8:40 am Discussion

**Rapid Fire Session 5D – Total Knee** *(Kauai Ballroom 4)*
Moderators: Jeffrey M. Nakano, MD, Rocky Mountain Orthopaedic Associates
Jay R. Lieberman, MD, University of Southern California

8:00 am – 8:04 am Does Intrathecal Morphine Have a Role in Modern Joint Arthroplasty?
Jonathan Cheah, MD, University of California, San Francisco

8:04 am – 8:08 am Proximalization of the Tibial Tubercle Osteotomy: A Solution for Patella Infera During Revision Total Knee Arthroplasty
Alexander M. DeHaan, MD, Orthopaedic and Fracture Specialists

8:08 am – 8:12 am Cluster Analysis Reveals Functional Trajectories Following Total Knee Arthroplasty
Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center
8:12 am – 8:18 am  Discussion

8:18 am – 8:22 am  Post Market Surveillance Using Patient Reported Outcome Measures  
Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center

8:22 am – 8:26 am  The Effect of Preoperative Malnutrition on Postoperative Stamina in Total Joint Arthroplasty Patients  
Travis C. Philipp, MD, Oregon Health and Science University

8:26 am – 8:30 am  Consequences of Increasing Insert Thickness in Total Knee Arthroplasty  
Trevor J. Shelton, MD, University of California, Davis

8:30 am – 8:34 am  Analysis of Spanish vs English Speaking Patients Undergoing Total Knee Arthroplasty  
Adam Wright, MD, Baylor Scott and White  
*Presented by Nathan Haile, MD

8:34 am – 8:40 am  Discussion

8:40 am – 9:00 am  Break – Please visit Exhibits (Grand Ballrooms 2, 3, 4 & 5)

General Session 6 – BOC Report & Howard Steel Lecture
Moderator:  Robert R. Slater, Jr., MD, *Folsom, CA*

9:00 am – 9:05 am  BOC Report  
Bryan S. Moon, MD, MD Anderson Cancer Center

9:05 am – 9:10 am  WOF Report  
Robert R. Slater, Jr., MD, Folsom, CA

9:10 am – 9:15 am  Introduction of Howard Steel Lecturer  
Robert R. Slater, Jr., MD, Folsom, CA

9:15 am – 10:05 am  Howard Steel Lecture  
The Golden Age of Space Flight  
Walter Cunningham, Houston, TX

10:05 am – 10:25 am  Break – Please visit Exhibits (Grand Ballrooms 2, 3, 4 & 5)

Symposium 4 – Sports Medicine
Moderator:  Omer A. Ilahi, MD, Southwest Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute
10:25 am – 10:40 am   Treating Patellofemoral Instability  
*Omer A. Ilahi, MD, Southwest Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute*

10:40 am – 10:55 am  Reconstruction of the Superior Gleno-Humeral Capsule  
*Stephen S. Burkhart, MD, The San Antonio Orthopaedic Group*

10:55 am – 11:10 am   ACL Graft Choices & Femoral Drilling Techniques  
*David J. Mansfield, MD, El Paso Orthopaedic Surgery Group*

11:10 am -11:25 am   Discussion

11:25 am – 12:25 pm  **WOA Luncheon - Industry Presentation**  
*CME Credit Not Available*

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

12:25 pm – 12:35 pm   Innovation in Medicine and Its Impact on Quality of Care  
*Thomas R. Hunt III, MD, DSc, Baylor College of Medicine*

12:35 pm – 12:50 pm  Innovation in Pediatric Orthopedics: Impact on Patient Outcome  
*Pamela J. Sherman, MD, Cook Children’s Medical Center*

12:50 pm – 1:05 pm   Innovation in the Care of Wrist Disorders: Impact on Patient Outcome  
*Brian D. Adams, MD, Baylor College of Medicine*

1:05 pm – 1:20 pm   Innovation in Upper Extremity Fracture Care: Impact on Patient Outcome  
*Scott A. Mitchell, MD, Baylor College of Medicine*

1:20 pm – 1:25 pm   Discussion

1:30 pm – 2:30 pm  **Scientific E-Poster Session** (*Kauai Ballrooms 1, 2, 3 & 4*)  
(Presenters will be available to answer questions.)

2:30 pm – 3:30 pm  **Multimedia Education Session** (*Garden Isle Room 2*)

**Saturday, August 5**
6:00 am – 7:00 am  **Scientific E-Poster Session** *(Kauai Ballrooms 1, 2, 3 & 4)*
(Presenters will be available to answer questions.)

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

**Symposium 6 – Trauma**
Moderator: Kyle F. Dickson, MD, *Southwest Orthopedic Group*

7:15 am – 7:30 am  Open Fractures, Especially of the Tibia  
*Kyle F. Dickson, MD, Southwest 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 – Industry 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, Southwest 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** *(Kauai Ballroom 1)*
Moderators: 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 (Kauai Ballroom 2)**

Moderators: 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
9:18 am – 9:22 am  Comparison of Patient-Reported Outcomes a Minimum 2 Years after Anatomic ACL Reconstruction between Four Graft Types  
Jonathan D. Hughes, MD, Scott and White Medical Center

9:22 am – 9:26 am  A Biomechanical Comparison of Arciero and Laprade Posterolateral Corner Reconstruction  
Paul J. Johnson, MD, MS, University of New Mexico Health Sciences Center

9:26 am – 9:30 am  Discussion

9:30 am – 9:34 am  High Variability in Evaluating Articular Cartilage Lesions in Clinical Studies  
William L. Sheppard Jr., BS, University of California, Los Angeles  
*Presented by Armin Arshi, MD

9:34 am – 9:38 am  Use of Bipolar Radiofrequency for the Treatment of Tendonosis  
James P. Tasto, MD, San Diego Sports Medicine and Orthopaedic Center

9:38 am – 9:42 am  Pectoralis Major Tendon Repair: A Meta-Analysis Comparing Different Surgical Techniques  
Peter S. Vezeridis, MD, University of California  
*Presented by Kent T. Yamaguchi Jr., MD

9:42 am – 9:46 am  Crossover Sign in Dysplasia: Not Uncommon and Do Not Resect!  
Dean K. Matsuda, MD, DISC Sports and Spine

9:46 am – 9:50 am  Discussion

**Rapid Fire Session 7C – Foot & Ankle (Kauai Ballroom 3)**

Moderators:  
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  
Evan E. Vellios, MD, University of California, Los Angeles

9:14 am – 9:18 am  Orthopaedists Have Less Complications Following Ankle Fracture Fixation than Podiatrists  
Jeremy Y. Chan, MD, Stanford University
**Presented by Julius A. Bishop, MD**

9:18 am – 9:22 am  
Unrestricted Weightbearing with Stirrup Brace Following Lateral Ankle Ligament Stabilization  
*Presented by Gregory A. Lundeen, MD, MPH*

9:22 am – 9:26 am  
Responsiveness of Patient Reported Outcome Measures for Foot and Ankle Surgery  
*Presented by Evan E. Vellios, MD*

9:26 am – 9:30 am  
Discussion

9:30 am – 9:34 am  
Early Weight Bearing as Tolerated after ORIF of Ankle Fracture  
*Presented by Reza Firoozabadi, MD*

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  
*Presented by Nicholas Romeo, DO, Harborview Medical Center/University of Washington*

9:38 am – 9:42 am  
A National Comparison of Total Ankle Replacement versus Arthrodesis  
*Presented by 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  
*Presented by Gregory A. Lundeen, MD, MPH*

9:46 am – 9:50 am  
Discussion

**Rapid Fire Session 7D – Other (Kauai Ballroom 4)**  
Moderators:  
Meghan N. Imrie, MD, Stanford School of Medicine  
Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine

9:10 am – 9:14 am  
Factors that Impact the Residency Match: Research, Medical School, and Honor Society Membership  
*Presented by Sean T. Campbell, MD, Stanford University*

9:14 am – 9:18 am  
What Makes Journal Club Effective?: A Survey of Orthopaedic Residents and Faculty  
*Presented by 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
*Joshua W. Hustedt, MD, MHS, University of Arizona*

9:26 am – 9:30 am  Discussion

9:30 am – 9:34 am  Personal Physician Characteristics Adversely Affect Patient Satisfaction in Orthopaedic Surgery
*Laura Y. Lu, BS, Stanford University*

9:34 am – 9:38 am  Resident Involvement in Hip Fracture Surgery Affects Patient Outcomes
*Dayton Opel, MD, Oregon Health & Science University*

9:38 am – 9:42 am  Electronic Medical Record Impact on Physician-Patient Interaction in Orthopaedics
*Jean-Christophe N. Rwigema, BS, University of Southern California*

9:42 am – 9:46 am  Are Surgical Skills Under-Emphasized in Disaster Response Literature?
*CAPT Steven Wilding, MD, Tripler Army Medical Center*  
*Presented by CPT J. Banks Deal Jr., MD*

9:46 am – 9:50 am  Discussion

**Concurrent Allied Health Session 3 – MR Imaging Interpretation** (Kauai Ballrooms 5 & 6)

Moderator:  Theodore W. Coates, PA-C, University of California, Davis

9:10 am – 9:55 am  MR Imaging of the Knee and Shoulder
*Russell C. Fritz, MD, National Orthopaedic Imaging Associates*

9:50 am – 10:15 am  Break – Visit Exhibits (Grand Ballrooms 2, 3, 4 & 5)

**General Session 8 – OREF Update & Presidential Address**

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

10:15 am – 10:20 am  OREF Update
*William C. McMaster, MD, UCI Medical Center Orthopaedics*
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
Robert R. Slater, Jr., MD, Folsom, CA

10:50 am – 11:00 am   Refreshment Break (Grand Ballroom Foyer)

General Session 9 – Sports Medicine/Other/Trauma/Total Joint
Moderator: Omer A. Ilahi, MD, Southwest Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

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 J. Kremen Jr., 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
*Presented by Marc M. DeHart, MD

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 Allied Health Session 4 – Fractures of the Hand and Wrist – Share Interesting Cases for Interactive Review (Kauai Ballrooms 5 & 6)
Moderator: Theodore W. Coates, PA-C, University of California, Davis
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** *(Kauai Ballroom 1)*
Moderators: Jeffrey M. 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  
Mechanical Multidirectional Instability after Primary Knees Associated with Metal Ion Allergy  
*Gerhard E. Maale III, MD, Medical City Hospital*

11:58 am – 12:02 pm  
Factor-Xa Inhibitors and Aspirin Outperform Traditional Anticoagulants in Total Knee Arthroplasty  
*Abiram Bala, MD, Stanford University*  
*Presented by Derek F. Amanatullah, MD, PhD*

12:02 pm – 12:10 pm  
Discussion

12:10 pm – 12:14 pm  
The Linea Aspera as a Marker for Intraoperative Femoral Rotation  
*Cody Covington, MD, Baylor Scott & White Medical Center*

12:14 pm – 12:18 pm  
A Rosetta Stone for TKA: Translating Expectations into Patient Reported Outcomes  
*Adam A. Sassoon, MD, MS, University of Washington*

12:18 pm – 12:22 pm  
Distal Femoral Osteotomy Trends and Survivorship: A Population-Based Study  
*K. Soraya Heidari, BA, University of Southern California*

12:22 pm – 12:30 pm  
Discussion

**Rapid Fire Session 10B – Upper Extremity** *(Kauai Ballroom 2)*
Moderators:  Robert R. Slater, Jr., MD, Folsom, CA  
Thomas R. Hunt, MD, Baylor College of Medicine
11:50 am – 11:54 am
Relevant Insertion Site Anatomy of the Conventus Distal Radius System
Jacob Duncan, DO, MD, Valley Orthopaedic Surgery Residency
*Presented by Jesua Law, DO

11:54 am – 11:58 am
Proximal Interphalangeal Collateral Ligament Cadaveric Study
John G. Coury, DO, Valley Orthopedic Surgery Residency

11:58 am – 12:02 pm
Determining Insertion of Digital Extensor Mechanism Terminal Tendon Using Lunula
Jeff Jett, DO, Valley Orthopedic Surgery Residency
*Presented by Jesua Law, DO

12:02 pm – 12:08 pm
Discussion

12:08 pm – 12:12 pm
Cost Minimization Analysis of the Treatment Distal Radius Fractures in the Elderly
Eric Q. Pang, MD, Stanford University
*Presented by Robin N. Kamal, MD

12:12 pm – 12:16 pm
The Effects of Prior Cervical Fusion on Outcomes and Early Complications after Shoulder Arthroplasty
Jennifer Tangtiphaiboontana, MD, University of California, San Francisco

12:16 pm – 12:20 pm
Trans-Brachioradialis Approach to Radial Tunnel, Anatomic Study of Compression Sites
Jason Ummel, DO, Valley Orthopaedic Surgery Residency
*Presented by John G. Coury, DO

12:20 pm – 12:24 pm
Dorsal Distraction Distal Radius Plating Fractures with Dorsal Marginal Impaction
Eric Huish, DO, Valley Orthopaedic Surgery Residency
*Presented by John G. Coury, DO

12:24 pm – 12:30 pm
Discussion

Rapid Fire Session 10C – Spine (Kauai Ballroom 3)
Moderators: Rex A. Marco, MD, Houston Methodist Hospital
Omer A. Ilahi, MD, Southwest Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

11:50 am – 11:54 am
Outcomes for Adult Spinal Deformity Correction; Staged versus Same-Day Surgery
Alexander H. Arzeno, MD, Stanford University
11:54 am – 11:58 am ALIF vs. AxiaLIF at the Bottom of a Long Construct in CMIS Treatment of Adult Spinal Deformity
*Alisa Alayan, MD, Cedars Sinai Medical Center

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 H. 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

12:24 pm – 12:30 pm Discussion

**Rapid Fire Session 10D – Pediatrics (Kauai Ballroom 4)**

Moderators: Meghan N. Imrie, MD, Stanford School of Medicine
Pamela J. Sherman, MD, Cook Children’s Medical Center

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 Short Leg Cast Immobilization of Distal Tibial Physeal Fractures
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
*Presented by Armin Arshi, MD

12:20 pm – 12:24 pm  Single Incision Pediatric Flexible Intramedullary Tibial Nailing
Zachary C. Lum, DO, Valley Orthopaedic Surgery Residency
*Presented by Jesua Law, DO

12:24 pm – 12:30 pm  Discussion

12:30 pm – 1:30 pm  Multimedia Education Session (Garden Isle Room 2)