

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” Rountt 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**

*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
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 Prouddness 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. Rajaei, MD, Cedars-Sinai Medical Center
- 8:04 am – 8:08 am Obesity is Associated with Revision Hip Arthroplasty for Infection and Early Loosening

L. Henry Goodnough, MD, PhD, Stanford Hospitals and Clinics

- 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

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 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

Daniel Hoppe, MD, University of Toronto
**Presented by Lauren M. 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
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
Christopher Diefenbach, MD, Reno Orthopedic Clinic
**Presented by Gregory A. Lundeen, MD, MPH*
- 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
**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
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 C. Neary, MD, Reno Orthopaedic Clinic
**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
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
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 Tangtiphaiboonana, 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
**Presented by Ashley Aratani, MD*
- 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

Clayton Vaughan, MD, Baylor Scott and White Memorial Hospital

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*)