**Symposium 1 - Orthopaedic Trauma Pearls and Pitfalls: Tips and Tricks to Improve Your Fracture Care**

12:00 am – 12:10 am  Welcome & Introductions  
*Milton “Chip” Routt, MD, University of Texas Health Science Center*

12:10 am – 12:25 am  Proximal Femur Fractures: How I Stay Out of Trouble  
*Jonathan Eastman, MD, University of California, Davis*

12:25 am – 12:35 am  Questions/Discussion

12:35 am – 12:50 am  Tibial Shaft Fractures: Challenges and Solutions  
*Michael F. Githens, MD, University of Washington*

12:50 am – 1:00 am  Questions/discussion

1:00 am – 1:15 am  Ankle Fractures: Recognizing the Little Things that Optimize Outcome  
*Julius Bishop, MD, Stanford University*

1:15 am – 6:25 am  Questions/discussion

6:25 am – 1:30 am  Closing Remarks  
*Milton “Chip” Routt, MD, University of Texas Health Science Center*

**Symposium 2 - Controversies in Primary Hip and Knee Arthroplasty**

1:30 am – 1:35 am  Welcome and Introductions  
*William J. Maloney, MD, Stanford University*

**Approaches for Primary Hip Arthroplasty**

1:35 am – 1:45 am  Anterior Approach is Best  
*Aaron K. Salyaspongse, MD, Webster Orthopedics*

1:45 am – 1:55 am  Posterior Approach is Best  
*Thomas P. Vail, MD, University of California, San Francisco*

1:55 am – 2:00 am  Audience Questions

**Robots in Primary Knee Arthroplasty**

2:00 am – 2:10 am  No Need for the Robot  
*Jay R. Lieberman, MD, Keck School of Medicine of USC*
2:10 am – 2:20 am  Robot is Indispensable  
*Russell G. Cohen, MD, Abrazo Medical Group Orthopedic Specialists*

2:20 am – 2:25 am  Audience Questions

**Cementless Total Knee vs. Cemented**

2:25 pm – 2:35 pm  Always Cement in this Location  
*James I. Huddleston, MD, Stanford University*

2:35 am – 2:45 am  Cement Not Needed  
*Robert L. Barrack, MD, Washington University*

2:45 am – 2:50 am  Audience Questions

2:50 am – 3:00 am  Final Thoughts/Discussion

**Symposium 3 - Sports Symposia**

**Knee Session**

**Moderator:** Geoffrey Abrams, MD, *Stanford University*

**Debate: Horizontal and Radial Meniscus Tears Now Can Fix Them – But Should We?**

3:00 am – 3:06 am  Fix ‘em All  
*Seth Sherman, MD, Stanford University*

5:06 am – 3:12 am  That is Really Pushing Reality Technology Over Reason  
*Albert Gee, MD, University of Washington*

3:12 am – 3:15 am  Questions

3:15 am – 3:23 am  Tunnel Positioning in ACL Reconstruction: AM Portal, Transtibial, Outside In…Why the Debate?  
*David McAllister, MD, University of California, Los Angeles*

3:23 am – 3:25 am  Questions

3:25 am – 3:33 am  BTB, HS, Quad Tendon, Allografts: Which Do We Use and When for ACL Reconstruction?  
*Daniel Wascher, MD, University of New Mexico*

3:33 am – 3:35 am  Questions

3:35 am – 3:43 am  When and How to Operate on Patellofemoral Instability  
*Stephen Aoki, MD, University of Utah Health*
Sports Misc.
Moderator: John Green III, MD, Phoenix, Arizona

Debate: Management of First-Time Shoulder Dislocator
3:45 am – 3:51 am  Get them to Surgery Before they Dislocate Again
Craig R. Bottoni, MD, Tripler Army Medical Center

3:51 am – 3:57 am  Show Me This Will Recur before Surgery
Michael Freehill, MD, Stanford University

3:57 am – 4:00 am  Questions

4:00 am – 4:08 am  Use of Biologics in Sports Medicine in 2020
C. Thomas Vangsness, MD, Keck School of Medicine at USC

4:08 am – 4:10 am  Questions

4:10 am – 4:18 am  Evaluation of the Painful Hip
Marc R. Safran, MD, Stanford University

6:18 am – 6:20 am  Questions

4:20 am – 4:30 am  Ankle Sprains in Athletes – What’s New in High Ankle Sprain and Do We Need to Augment Ligament Reconstructions?
Kenneth J. Hunt, MD, University of Colorado

4:28 am – 4:30 am  Questions

Symposium 4

4:30 am – 6:00 am  Presentations

Session 1 - Resident Awards
85 - Iatrogenic Septic Arthritis Following Arthrocentesis Through Cellulitis
Kent C. Doan, MD, University of Colorado

355 - Regional Gene Therapy for Bone Healing Using 3D Printed Scaffolds
Hyunwoo P. Kang, MD, University of Southern California

118 - Implant Removal vs. Single-Stage Implant Exchange for Late Infections after Spinal Fusions for AIS
Derek T. Nhan, MD, University of Washington

191 - Does the Symmetry of Patellar Morphology Matter When Matching Osteochondral Allografts for Osteochondral Defects Involving the Central Ridge of the Patella?
Karan A. Patel, MD, Mayo Clinic Arizona

Session 2 - Basic Science

59 - Multimodal Pain Management Following Orthopaedic Sports Procedures and Limiting Opioid Prescriptions – A Pilot Study
Ethan M. Bernstein, MD, MPH, Naval Medical Center San Diego

517 - Translational Challenges of Fluorescence Image-Guided Surgical Debridement in a Mouse Model
Peter P. Hsiue, MD, University of California, Los Angeles

458 - Regional Gene Therapy Cell Dosage Using Human Cells in Rats
Hansel Ihn, MD, University of Southern California

556 - Does Harvest Method of Adipose Derived Mesenchymal Stem Cells Matter?
Hansel Ihn, MD, University of Southern California

248 - A Translational Porcine Model for Human Cell-Based Therapies in the Treatment of Post Traumatic Osteoarthritis Following Anterior Cruciate Ligament Injury
Thomas Kremen, MD, David Geffen School of Medicine at UCLA

364 - Nell-1 Downregulation in Osteoblasts Contributes to Oculo-Auriculo-Vertebral(OAV) Spectrum Disorder
Timothy Liu, BS, University of California, Los Angeles

439 - Inflammatory Cytokines in the Painful Ankle Joint
Andrew S. Maertens, MD, University of Colorado

525 - Efficacy of Waterproof Surgical Dressings
Richard Michelin, DO, Riverside University Health System Medical Center

171 - Biomechanical Analysis of a Novel Metacarpal Intramedullary Nail
Midhat Patel, MD, University of Arizona College of Medicine, Phoenix

24 - Impact of Free Radical Stabilization Techniques on Acetabular Liners
Amber L. Price, MD, University of New Mexico

478 - A Bioactive Synthetic Membrane for Controlled Osteoinductive Growth Factor Release
Brett Salazar, BS, Stanford University

612 - Analyzing the Immunosuppressive Effect of Angiotensin-Converting Enzyme Inhibitors
**Session 3 - Foot & Ankle**

16 - Radiographic and Magnetic Resonance Imaging of the Symptomatic Synthetic Cartilage Implant  
Tonya W. An, MD, MA, Cedars-Sinai Medical Center

22 - Cavus and Varus Alignment are Associated with Peroneal Tendon Pathology  
Hallie Bradley, MD, UT Southwestern

237 - Decreasing Medicare Reimbursement Rates in Orthopaedic Foot and Ankle Surgery 2000-2019  
David G. Deckey, MD, Mayo Clinic Arizona

234 - Open Ankle Fractures: Is Immediate Internal Fixation Safe?  
Rami Khalifa, MD, PhD, Texas Tech University Health Science  
*Presented by Amr Abdelgawad, MD, MBA

412 - Novel Mouse Model of Hindlimb Contracture with 3D-Printed Casts  
Laura K. Moore, MD, PhD, University of California San Francisco

526 - Authorship Trends in Foot and Ankle Publications: A Bibliometric Analysis of the Journal of Foot and Ankle Surgery  
Ankur S. Narain, MD, University of Massachusetts Memorial Medical Center

**Session 4 - Hand & Wrist**

417 - Surgical Management of Traumatic Neuromas using the “Bridge to Nowhere” Technique  
Sofia Bougioukli, MD, PhD, Keck School of Medicine, USC

46 - Customized Relative Motion Splints for Rehabilitation after Flexor Tendon Repair – A Cadaveric Study  
David A. Hulet, MD, University of Washington

235 - Limb Occlusion Pressure vs. Standard Pneumatic Tourniquet Pressure in Open Carpal Tunnel Surgery – A Randomized Trial  
Hannah Morehouse, MD, Houston Methodist Hospital

305 - Regional Anesthesia on Postoperative Resource Utilization in Wrist Fracture Surgery  
Michael Sun, MD, Cedars-Sinai Medical Center
506 - Incidence, Timing, and Risk Factors for Tendon Rupture after Distal Radius Fractures
Catphuong L. Vu, MD, MPH, University of Washington

Session 5 - Other
282 - Measurement of Acetabular Wall Indices: A Comparison between CT and Plain Radiography
Dean C. Wang, MD, University of California, Irvine
*Presented by Jaron Nazaroff, BS

Session 6 - Pediatrics
95 - Normalization Time Among Graf IIC Hips Undergoing Pavlik Harness Treatment
Tyler R. Freeman, MD, University of Colorado

165 - Remodeling of Sagittal Plane Mal-Union after Pediatric Supracondylar Fractures
James G. Gamble, MD, PhD, Stanford University Medical Center

342 - Virtual Reality Reduces Pain, Fear, and Anxiety during Pediatric Orthopaedic Outpatient Procedures
Katherine Hastings, MPH, Stanford University

253 - Teenagers with Humeral Shaft Fractures Achieve Excellent Outcomes Without Surgery
Benjamin V. Kelley, MD, University of California Los Angeles

107 - It's O.K. Anesthesia
John Livingstone, MD, Kapiolani Medical Center for Women and Children

403 - Suture-Button vs. Screw Fixation in Adolescent Syndesmotic Injuries
Benjamin Lurie, BA, UC San Diego School of Medicine, Rady Children's Hospital

479 - NPO Time and Aspiration Risk Not Associated in Pediatric Patients
Carl A. Nunziato, MD, Dell Seton Medical Center

92 - Medial Pinning in Pediatric Supracondylar Humerus Fractures: Safer Than Thought?
Andrew B. Rees, BS, Vanderbilt University School of Medicine

468 - The Effect of Health Mindset on Patients with Adolescent Idiopathic Scoliosis
Kali R. Tileston, MD, Stanford University

554 - Quantifying Pediatric Gait from Metrics Derivable from Wearable Inertial Sensors
Joanne Zhou, MD, Stanford University

Session 7 - Pharmacology
520 - Surgical Pain Severity and Opioid Use on Postoperative Opioid Prescriptions
Johnna Jaynstein, PA-C, Denver Health

392 - Effects of Intrathecal Opioids vs. Intravenous Methadone on Clinical Outcomes
Akash Patel, BS, Shriners Hospital for Children, Northern California

354 - Nationwide Medicare Opioid Prescription Patterns among Orthopedic Surgeons
Renee E. Walker, BS, University of Texas Medical Branch

**Session 8 - Practice Management/Education**

361 - Safety and Efficiency of a Novel Needle Management System
Abiram Bala, MD, Stanford University

571 - The Impact of Trainees and Physician Assistants on Intraoperative Duration
Eli M. Cahan, BA, Stanford University
*Presented by Henry C. Cousins, MPhil

577 - The Surgeon Success and Practice Satisfaction Survey
Michael Lowe, BS, Rocky Vista University

126 - Does a Career in Orthopaedic Surgery Affect a Woman's Fertility?
Selina Poon, MD, Shriners for Children Medical Center, Pasadena

**Session 9 - Shoulder & Elbow**

389 - Shoulder Stabilization in Patients With or Without History of Seizure
Obiajulu Agha, BA, University of California San Francisco

213 - Chronic Preoperative SSRI’s are an Independent Risk Factor for Rotator Cuff Repair Revision
Sarah Bhattacharjee, Pritzker School of Medicine at the University of Chicago

456 - Effect of Renal Disease on Glenohumeral Osteoarthritis Shoulder Arthroplasty Outcomes
Peter P. Hsiue, MD, University of California, Los Angeles

101 - Clinical Outcome and Complication Rates Following Reverse Shoulder Arthroplasty Revision
Pierce Johnson, MD, University of Arizona Phoenix
*Presented by Paulo Castaneda, BSE

157 - Radiographic Stress-shielding in Press-Fit and Cemented Short Humeral Stem Shoulder Arthroplasty
Alexander R. Markes, BS, University of California San Francisco School of Medicine

243- Analysis of Risk Factors for Blood Transfusion after Total Shoulder Arthroplasty
Ankur Narain, MD, University of Massachusetts Memorial Medical Center
337 - Inferior Tilt of the Baseplate Decreases Range of Motion in Reverse Shoulder Arthroplasty
Midhat Patel, MD, University of Arizona College of Medicine, Phoenix

229 - Radial Head Arthroplasty: Outcomes for Ingrowth vs. Smooth Stems
Zachary A. Rockov, MD, Cedars-Sinai Medical Center

18 - Intraoperative Navigation and Increased Glenoid Baseplate Screw Length in rTSA
Gregory R. Sprows, MD, Baylor Scott & White Health, Texas A&M Health Science Center

278 - Optimal Fixation of the Capitellar Fragment in Distal Humerus Fractures
David J. Wright, MD, University of California, Irvine

Session 10 - Spine
301 - Does Conflict of Interest Affect Reported Fusion Rates with Bone Graft Extenders?
Garwin Chin, MD, UC Irvine Orthopaedic Surgery

76 - Concussive Injury to the Spinal Cord During Pediatric Spinal Surgery for Adolescent Idiopathic Scoliosis
Robert Cho, MD, Shriners for Children Medical Center

493 - Racial and Socioeconomic Status Effects Treatment of Spinal Epidural Abscesses
Gabriel P. Joseph, AB, Stanford University Pediatric Orthopaedics

194 - Platelet Dysfunction in Major Pediatric Scoliosis Surgery
Lydia McKeithan, BE, Vanderbilt University

214 - The Effects of Selective Serotonin Reuptake Inhibitors on Lumbar Arthrodesis
Sean C. Pirkle, BA, Pritzker School of Medicine at the University of Chicago

528 - Prospective Evaluation of Degenerative Cervical Myelopathy in Asymptomatic Patients Over 60 Years
Ryan M. Schiedo, MD, University of Massachusetts Memorial Medical Center

323 - Do Opioid prescriptions after PSF for AIS cause Opioid abuse?
John S. Vorhies, MD, Stanford University Medical Center

Session 11 - Sports Medicine
186 - MLB Pitchers with Revision UCLR Have More Lateral Release Locations
Landon Cohen, MS, Keck School of Medicine of USC
*Presented by Samuel A. Cohen, BS

346 - Post ACL Reconstruction Activity Levels Correlate with Increased Cartilage Degeneration
James M. Friedman, MD, University of California San Francisco
164 - Lateral Meniscus Width: Relevance to Saucerization of Discoid Lateral Menisci
James G. Gamble, MD, PhD, Stanford University Medical Center

601 - Outcomes of Arthroscopic Loose Body Management in Patella Instability: Medial Patellofemoral Ligament Neglect or Repair vs. Reconstruction
Preet Gurusamy, MD, University of California, San Diego

299 - Assessing Reparability of Meniscal Tears Using 3T MRI
Thomas Kremen, MD, David Geffen School of Medicine at UCLA

419 - Long-Term Clinical Outcomes of Arthroscopic Conversion of Partial-Thickness Rotator Cuff Tear to Full-Thickness Rotator Cuff Tear
Christopher S. Lee, MD, MBA, Lee Sports and Joint Institute
*Presented by Alexandria Lichtl, BA

8 - Preoperative Measurement of the Pediatric Semitendinosus as a Predictor of Autograft Diameter Used in ACL Reconstruction
Andrew J. Morris, MD, Kaiser Permanente, Orange County

294 - Returning to Activity Following ACL Revisions: A MARS Cohort Analysis
Erin Owen, PhD, MPH, Slocum Research and Education Foundation

23 - Pediatric Patella Dislocations: Chondral Damage in Primary vs. Multiple Dislocations
Amber L. Price, MD, University of New Mexico

141 - Is Percutaneous Medial Collateral Ligament (MCL) Relaxation During Anterior Cruciate Ligament Reconstruction a Safe Option for Gaining Access to the Medial Knee Compartment in Children?
John A. Schlechter, DO, Children's Hospital Orange County / Pediatric Orthopedic Specialists of Orange County
*Presented by Tanner C. Harrah, DO

536 - Blood Glucose Levels in Diabetic Patients Following Intra-Articular Corticosteroid Injection of the Shoulder: A Pilot Study
Adam Seidl, MD, University of Colorado Sports Medicine

559 - Donor Age Effect on Biomechanical Properties in Bone-Patellar Tendon-Bone Allografts
Trevor J. Shelton, MD, University of California, Davis

326 - Do Peripheral Nerve Blocks Decrease Opioid Usage after ACL Reconstruction?
John S. Vorhies, MD, Stanford University Medical Center

276 - Postoperative Range of Motion Following Arthroscopic Gluteus Medius and Minimus Repair
David J. Wright, MD, University of California, Irvine
28 - Is There a Gender Gap in Patient Outcomes After Hip Arthroscopy for FAI?
Alan Zhang, MD, UCSF Medicine Center

Session 12 - Total Hip
311 - Detecting Inadvertent Muscle Damage during a Piriformis “Sparing” Approach to the Hip
Derek F. Amanatullah, MD, PhD, Stanford University

174 - Selective Screw Fixation is Associated with Early Failure of Primary Acetabular Components for Aseptic Loosening
John C. Bonano, MD, Stanford University

452 - Evaluation of Acetabular Cup Alignment and Motion with Screw Placement
Elizabeth Davis, MD, UT Houston McGovern School of Medicine

394 - Total Hip Arthroplasty Outcomes in Patients with Acetabular Protrusio
Danielle E. Greig, MD, University of California, Los Angeles

407 - Cemented vs. Cementless Fixation for Total Hip Arthroplasty: A Nationwide Analysis
Xiao T. Chen, BA, Keck School of Medicine of the University of Southern California

418 - Impact of Hip Spacer Design on Periprosthetic Joint Infection Outcomes
Landon Polakof, MD, Cedars-Sinai Medical Center

134 - How Much Hip Motion is Used in Real-Life Activities?
Alexander P. Sah, MD, Institute for Joint Restoration

150 - Cleaning the Taper in Retained Stems: Three Methods Show What is Left, and What is Taken Away
Erik Woelber, MD, Oregon Health and Sciences University

Session 13 - Total Joint
360 - Success of Rapid Discharge Protocol Follow Total Hip Arthroplasty
Paul J. Baker, BS, University of Hawaii, John A. Burns School of Medicine
*Presented by Samantha Andrews, PhD

510 - Comorbidity Burden Impacts Venous Thromboembolism Risk After Total Knee Arthroplasty
Abiram Bala, MD, Stanford University

481 - Outcomes after Treatment of Prosthetic Joint Infections
Elizabeth Davis, MD, UT Houston McGovern School of Medicine
327 - Compressive Osteointegration Device for Management of Non-Oncologic Complex Arthroplasty
Scott Galey, MD, UCLA Orthopedic Surgery

138 - New Morphometric Fixed-Bearing Medial UKA: Minimum 2-Year Follow-Up Results of a Prospective Multicenter Study
Alexander P. Sah, MD, Institute for Joint Restoration

30 - Block Bay Spinal Anesthesia for Total Joint Arthroplasty: Improving Efficiency
Stephanie Zhao, MD, Oregon Health & Science University

Session 14 - Total Knee
568 – Navigation Does Not Impact Reimbursement in Primary Total Knee Arthroplasty
Abriam Bala, MD, Stanford University

569 - Lateral Parapatellar Approach: Less Constraint, Equivalent Outcomes for Complex TKA
Meghan Brown, MD, University of Southern California

56 - Previous Knee Arthroscopy Timing Affects Revision Risk Following Knee Arthroplasty
Safa C. Fassihi, MD, George Washington University

380 - Safety Comparison of Bilateral and Unilateral Total Knee Arthroplasty
Amelia Hummel, BA, John A. Burns School of Medicine, University of Hawaii

189 - Outcomes of Symmetric and Asymmetric Tibial Baseplates with Ultracongruent Insert
Melissa Jackels, BS, John A. Burns School of Medicine

106 - Soft Tissue Instability as Predicted by a Measured Resection TKA Surgical Technique
Bertrand P. Kaper, MD, Orthopaedic Specialists of Scottsdale

486 - Can Knee Stability at 0 and 90 Degrees Accurately Predict Mid-Flexion Stability in TKA
Bertrand P. Kaper, MD, Orthopaedic Specialists of Scottsdale

488 - Incidence of Soft-Tissue Releases in Robotic-Assisted Total Knee Arthroplasty
Bertrand P. Kaper, MD, Orthopaedic Specialists of Scottsdale

231 - Safety of Single-Stage Bilateral Total Knee Arthroplasty in the Elderly
Landon Kozai, BA, University of Hawaii John A. Burns School of Medicine

363 - The Increasing Burden of Revision Total Knee Arthroplasty
Sean S. Rajaee, MD, MS, Cedars-Sinai Medical Center

137 - Knee Range of Motion During Daily Activities Assessed by a Novel Gait Tracking Wearable Device
Alexander P. Sah, MD, Institute for Joint Restoration
176 - Complications in 555 Consecutive Unilateral or Bilateral Unicompartmental Knee Arthroplasties
*Brandan I. Sakka, BS, University of Hawaii John A. Burns School of Medicine*

209 - Femoral Axes Cannot Accurately Predict Femoral Rotation in Gap-Balanced TKA
*Ian G. Schroeder, MD, Cedars-Sinai Medical Center*

499 - Concordance of Pain Measures and Efficacy of Ta-Er In Knee Osteoarthritis
*Andrew I. Spitzer, MD, Cedars-Sinai Orthopaedic Center*

**Session 15 - Trauma**

587 - Local Antibiotic Powder Reduces Postoperative Infection in Orthopaedic Trauma Surgery
*Ally Balabanova, BS, Denver Health*

60 - Does Predetermined Cephalomedullary Nail Angle affect Reduction or Tip-to-Apex Distance?
*Tony Bouz, DO, Fontana, CA*

589 - Impact on Periosteal Vasculature After Dual Plating of the Distal Femur: A Cadaveric Study
*Michael J. Chen, MD, Stanford University*

78 - Increased Callus with Carbon Fiber Plates in Distal Femur Fractures
*Chase S. Dean, MD, University of Colorado*

437 - Interlocking Screw Configuration Influences Distal Tibial Fracture Stability in Torsion
*Malcolm DeBaun, MD, Stanford University*

221 - Comparison of Clinical Outcomes Between Cephalomedullary Nail Lengths: A Retrospective Review
*Peter Z. Du, MD, University of Arizona, Tucson*

332 - A Prescribing Protocol Decreases the Rate of Chronic Opioid Use in Orthopaedic Trauma Patients
*Andrew Fithian, MD, Stanford University*

200 - Cost-Effectiveness Analysis of Short vs. Long Cephalomedullary Nails for Treatment of Stable Intertrochanteric Hip Fractures
*Carson Fuller, BS, Washington State University Elson S. Floyd College of Medicine*

377 - Discrepancies in Opioid Records: Electronic Medical Record vs. Statewide Database
*Amit Pujari, BS, Cedars-Sinai Medical Center*

574 - Assessment of Sacral Bone Density for Surgical Fracture Fixation
Conor Kleweno, MD, Harborview Medical Center, University of Washington
*Presented by Simran Mand, BS

154 - Low Energy Ballistic Tibia Fractures: Are Complication Rates Similar to Closed Injuries?
Christopher Lee, MD, University of California, Los Angeles

224 - Local Antibiotic Delivery via Calcium Sulfate for Orthopaedic Infections
Ashley Levack, MD, MAS, University of Texas, Health Sciences Center at Houston
*Presented by Daniel A. Driscoll, MD

284 - Hip Reduction Before Pan-scan Improves Time to Reduction & Radiation Exposure
Philip H. Locker, MD, University of California, San Francisco

524 - Traumatic Proximal Tibiofibular Joint Dislocations: Fixation Matters
Erik A. Magnusson, MD, University of Washington

201 - Novel High Energy Femoral Neck/Shaft MRI Protocol: One Year Outcomes
Nathan B. Rogers, MD, The University of Texas Health Science Center at Houston, McGovern Medical School

Nathan B. Rogers, MD, The University of Texas Health Science Center at Houston, McGovern Medical School

405 - Higher 30-day Readmission in Patients Taking Direct Oral Anticoagulants
Nathan B. Rogers, MD, The University of Texas Health Science Center at Houston, McGovern Medical School

552 - CT Assessment of Lateral Wall Integrity in AO/OTA 31A1/2 Fractures
Augustine M. Saiz, MD, University of California, Davis
*Presented by Max R. Haffner, MD

286 - Variation of Condylar Width with Limb Position in Tibial Plateau Fractures
Douglass Tucker, BS, Keck School of Medicine

530 - Exam Under Anesthesia Improves Agreement on Stability and Operative Indications
Douglass Tucker, BS, Keck School of Medicine

366 - Is Callus Formation Desirable in Pilon Fractures?
Noelle L. Van Rysselberghe, MD, Stanford University

433 - Posterior-Only Fixation of APC Pelvic Ring Injuries for Select Indications
Stephen J. Warner, MD, PhD, University of Texas Health Science Center at Houston

504 - Revisiting Associations between Femoral Fracture Morphology and Ipsilateral Neck Fractures
Stephen J. Warner, MD, PhD, University of Texas Health Science Center at Houston
*Presented by Justin A. Rennard, MD

383 - Anterior Hip Dislocation: Characterization of a Rare Injury and Predictors of Functional Outcome
Robert Wojahn, MD, Harborview Medical Center / University of Washington

Session 16 - Tumor
45 - Effects of Perioperative Blood Transfusion on Outcomes After Oncologic Procedures
Louise Atadja, BS, University of Texas Southwestern Medical Center

457 - High Grade Intramedullary Osteosarcoma: Does Histologic Subtype Affect Outcome?
James H. Flint, MD, Naval Medical Center San Diego

375 - Trends in the Evaluation and Management of Suspected Metastatic Long Bone Fractures by the General Orthopedist
Emily Naclerio, MD, University of Arizona College of Medicine, Phoenix

198 - Healing of Allograft Junctions: Does Accuracy of Osteotomies Matter?
Robert Weinschenk, MD, The University of Texas MD Anderson Cancer Center

615 - Combining Shelf Osteotomy with Proximal Femoral Reconstruction after Oncologic Resection
Joanne Zhou, MD, Stanford University

Session 17 - Upper Extremity
385 - Necrotizing Fasciitis Infection’s Association with Rainfall and Humidity
Landon Cohen, MS, Keck School of Medicine of USC

73 - In-Hospital Outcomes of Upper Extremity NSTI Treated with Dermatofasciectomy
Rachel E. Lefebvre, MD, University of Southern California

561 - Comparison of Patient Demographics and Risk Factors for Dislocations After Primary Reverse Shoulder Arthroplasty
Samuel J. Swiggett, Maimonides Medical Center