

For complete meeting information download the meeting app before heading to the meeting! The app will reflect the most up to date information and any last-minute updates in real time.

Search “DTMS Events” in the Apple App Store or Google Play Store.

ACCREDITATION INFORMATION

PROGRAM COMMITTEE

Lt Nicholas H. Lake, MD - Program Co-Chair
CDR Christopher H. Renninger, MD - Program Co-Chair
CDR Jennifer L. Smith, MD
Lt. Col. Aaron E. Barrow, MD
Maj Stuart J. Davidson, MD
LtCol Travis J. Dekker, MD
MAJ Alfred J. Pisano, MD
LTC Jeanne Patzkowski, MD
MAJ Alfred J. Pisano, MD
LT Karolina A. Serhan, MD
MAJ Joshua Tadlock, MD

SOMOS MISSION STATEMENT

To provide a forum for the interchange of medical knowledge as it relates to the practice of orthopaedic surgery in the military.

TARGET AUDIENCE

The 68th Annual Meeting of the Society of Military Orthopaedic Surgeons has been developed primarily for orthopaedic and trauma surgeons.

PURPOSE

The purpose of the SOMOS Annual Meeting is to provide a comprehensive, militarily relevant educational forum that promotes excellence in orthopaedic care within the Department of Defense. The meeting facilitates the exchange of evidence-based advances in orthopaedic surgery, fosters innovation in the treatment of musculoskeletal injuries across the continuum of care, promotes surgeon leadership development, and supports the readiness of military orthopaedic surgeons to manage both combat and non-combat injuries. Through collaboration, education, and shared experience, this meeting seeks to enhance the quality and consistency of orthopaedic care delivered by military medical professionals in diverse operational settings.

OBJECTIVES

At the conclusion of the 2026 SOMOS Annual Meeting, participants will be able to:

1. **Apply** updated knowledge and techniques in orthopaedic subspecialties including trauma, sports medicine, foot and ankle, hand, spine, oncology, and pediatric orthopaedics, particularly as they relate to the unique demands of military populations.
2. **Analyze** current trends in the management of combat-related musculoskeletal injuries and assess their applicability to forward-deployed and resource-limited environments.

3. **Integrate** evidence-based outcomes and innovations, including surgical advancements and rehabilitation strategies, into their clinical practice to improve patient outcomes and operational readiness.
4. **Engage** in peer-to-peer knowledge exchange that promotes continuous learning and leadership development within the military orthopaedic community.
5. **Identify** emerging technologies and treatment modalities relevant to military orthopaedics and evaluate their potential impact on future care delivery.

These objectives will be achieved through a robust scientific program including podium presentations, instructional courses, symposia, case panels, poster sessions, and keynote lectures.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Society of Military Orthopaedic Surgeons. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this Society of Military Orthopaedic Surgeons 68th Annual Meeting, December 8 – 11, 2026 to be held in Vail, Colorado for an approximate maximum of 26.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Scientific Program is 18 AMA PRA Category 1 Credits™

The E-Posters are 8.5 AMA PRA Category 1 Credits™

DISCLAIMER

The Society of Military Orthopaedic Surgeons (SOMOS) is a private not-for-profit organization that is not sponsored by any department or agency of the DoD or local state or federal government. Speakers and exhibitors at the 2026 Society of Military Orthopaedic Surgeons (SOMOS) 68th Annual Meeting represent and are solely responsible for their own presentations. Their presentation and displays do not represent concepts, policy or the official position of any department or agencies of the DoD or local or state government.

Presentations and displays at the 2026 Annual Meeting do not constitute endorsement, concurrence, validation or official position of SOMOS or any other department or agency.

SCIENTIFIC E-POSTER PRESENTATIONS

Scientific E-Posters are an important feature of the SOMOS Annual Meeting. E-Posters will be on video display along with their presenters December 8th – 11th during the Scientific Program. **Please note on the Scientific Program Schedule the designated times the poster presenters will be available for discussion.**

**SOMOS Scientific Program
December 7-11, 2026
The Hythe Hotel
Vail, CO**

Monday, December 7

- 7:00 am-4:00 pm **MAST Pre-Course Lab & Didactic – Knee**
 **CME Credit not available*
 (Invitation Only)
- 7:00 am-4:00 pm **Spine Lab**
- 12:00 pm-5:00 pm **Board of Directors Meeting**
- 12:00 pm-5:00 pm **Exhibit Setup**
- 12:00 pm-5:00 pm **Meeting Registration**
- 12:00 pm-11:59 pm **Speaker Ready Area**

Tuesday, December 8

Opening Ceremony

Moderators: CDR Jennifer L. Smith, MD, *Naval Medical Center, San Diego*
 LCDR Nicholas H. Lake, MD *Naval Medical Center, San Diego*
 CDR Christopher H. Renninger, MD, *Walter Reed National Military Medical Center*

- 7:00 am-7:10 am Color Guard
- 7:10 am-7:20 am Report of SOMOS President
 CDR Jennifer L. Smith, MD, Naval Medical Center, San Diego
 **CME Credit not available*

Concurrent Symposium 1A – Sports Shoulder & Elbow

- 7:25 am-7:50 am Title TBD
 CAPT Matthew T. Provencher, MD, MBA, The Steadman Clinic

Concurrent Symposium 1B – Lower Extremity Arthroplasty

- 7:25 am-7:50 am Title TBD
 J. Bohannon (Bo) Mason, MD, OrthoCarolina

7:50 am-8:15 am *Break with Exhibitors*

Concurrent Session 1A – Sports Shoulder/Elbow

Moderator: Matthew T. Provencher, MD, MBA, *The Steadman Clinic*
 Robin West, MD, *Inova Medical Group*

- 8:20 am-8:26 am 318 - Development and Validation of The BRACE (Bankart Risk Assessment & Clinical Estimator) Score – An International Multicenter Study
MAJ Bobby Yow, MD, Dwight D. Eisenhower Army Medical Center
- 8:26 am-8:32 am 173 - Scapular Morphology and Posterior Shoulder Instability: An MRI Study of Glenoid, Coracoid, and Acromial Anatomy
Capt G. Dillon Graham, MD, Atrium Health/OrthoCarolina
- 8:32 am-8:38 am 268 - ADSM Shoulder Stabilization Trends and Outcomes following Primary Cases, FY2016-2025
Veronika Pav, DrPh(c), Kennell and Associates, Inc.
- 8:38 am-8:44 am 131 - Autograft Glenoid Reconstruction in a Bilateral Shoulder Ovine Model
Cory Call, University of Iowa
- 8:44 am-9:00 am Discussion
- 9:00 am-9:06 am 193 - Failure Rates of SLAP Repair Compared With Subpectoral Biceps Tenodesis for Young Military Patients With Type 2 SLAP at 10-Year Follow-up
CPT Donielle Miller-Hesse, DO, William Beaumont Army Medical Center
- 9:06 am-9:12 am 260 - Long Term Durability of Elbow Interposition Arthroplasty with Preservation of the Collateral
CPT Katherine M. Clark, MD, Walter Reed National Military Medical Center
- 9:12 am-9:18 am 197 - Inflammatory Arthritis is Associated with Increased Mid-Term Complications after Total Shoulder Arthroplasty with No Short-Term Differences by DMARD Class
CPT William McClelland, MD, William Beaumont Army Medical Center
- 9:18 am-9:24 am 47 - Proteomics of Synovial Fluid in Rotator Cuff Tears and CTA
Read A. Steller, University of Iowa
- 9:24 am-9:20 am Discussion

Concurrent Session 1B – Lower Extremity Arthroplasty

Moderator: J. Bohannon (Bo) Mason, MD, *OrthoCarolina*
 Robert A. Sershon, MD, *Anderson Orthopaedic Clinic*

- 8:20 am-8:26 am 238 - Preoperative Statin Use is not Associated with Reduced Manipulation Under Anesthesia after Primary Total Knee Arthroplasty: A Propensity-Matched Analysis of 271,635 Patients
Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA
- 8:26 am-8:32 am 20 - Impact of Pre-Operative Intra-Articular Injections on Synovial Fluid Microbiome Composition in Total Knee Arthroplasty Patients
CPT Caleb D Gerber, MD, MBA, Madigan Army Medical Center
- 8:32 am-8:38 am 167 - Tibiofemoral Subluxation Causes Laxity in Total Knee Arthroplasty: A Predictive Algorithm using the Pythagorean Theorem in Robotic-Assisted TKA
CPT Jeffrey L. Wake, DO, Tripler Army Medical Center
- 8:38 am-8:44 am 170 - Routine MUA of the First Knee in Staged Bilateral-TKA
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center
- 8:44 am-9:00 am Discussion
- 9:00 am-9:06 am 122 - Association Between Preoperative PROMIS Scores and 90-Day ED Use After THA
Capt Andrew D. Maeso, DO, Grandview - Kettering Health Orthopedic Surgery Residency Program
- 9:06 am-9:12 am 223 - JAK Inhibitors, MACE, and VTE Risk After Joint Arthroplasty
Alexander H. King, MD, University of California, Los Angeles
- 9:12 am-9:18 am 30 - Distinct Synovial Fluid Microbiome Profiles in Primary Anterior Cruciate Ligament Repair vs. Total Knee Arthroplasty Patients Without Recent Intra-Articular Injections
CPT Michael K. Deegan, MD, Madigan Army Medical Center
- 9:18 am-9:24 am 26 - Surgical Site Subcutaneous Tissue Depth Better Predicts Post-Operative Complications than Body Mass Index Following Anterior Total Hip Arthroplasty
Sumin Jeong, BS, David Geffen School of Medicine at UCLA
- 9:24 am-9:20 am Discussion

Concurrent Symposium 1A (Part 2) – Sports Shoulder/Elbow

- 9:25 am-9:50 am Title TBD
Robin West, MD, Inova Medical Group

Concurrent Symposium 1B (Part 2) – Lower Extremity Arthroplasty

- 9:25 am-9:50 am Title TBD
Robert A. Sershon, MD, Anderson Orthopaedic Clinic

9:50 am-10:15 am *Break with Exhibitors*

Special Session 1: Sports Psychology

Moderator: Jim Naples, MD, *Harvard University*

10:15 am-10:40 am Title TBD
 Jim Naples, MD, Harvard University

10:40 am-11:05 am Title TBD
 Steve DeWiggins, Harvard University

11:05 am-11:15 am Discussion

11:20 am-12:20 pm **Focused Lunch Presentations**

**CME Credit not available*

12:30 pm-4:30 pm **Scientific E-Poster Session**
(Presenters will be available to answer questions)

Rapid Fire Session 1A – Lower Extremity, Foot & Ankle

4:30 pm-4:34 pm 110 - Does Initial Immobilization Method Affect Alignment in Pilon Fractures?
 Katherine Snipes, OrthoCarolina

4:34 pm-4:38 pm 111 - Outcomes of Intramedullary vs. Plate Fixation in OTA 43 Fracture Treatment
 Brian Sweeney, MD, MBA, Carolinas Medical Center

4:38 pm-4:42 pm 246 – Two vs. Three Screw Fixation for Femoral Neck Stress Fractures
 LT Andrew J. Rosso, MD, Naval Medical Center San Diego

4:42 pm-4:46 pm 146 - A Retrospective Analysis of Spring-Plate Fixation for Posterior Wall Fractures
 CPT Mariah Arave, MD, Brooke Army Medical Center

4:46 pm-4:40 pm 16 - Anchorless MIS Excision of Haglund's Deformity: A Retrospective Case Study
 Margaret Goodwin, MD, University of Texas Medical Branch

4:50 pm-4:54 pm 212 - Patterns of Depression Screening, Referral, and Behavioral Health Follow-Up After Orthopaedic Trauma
 Sai K. Reddy, BS, University of Chicago Pritzker School of Medicine

4:54 pm-5:00 pm Discussion

5:00 pm-5:04 pm 310 - Outcomes of Flexible Fixation for Lisfranc Injuries in Military Personnel
 LT David A Cieremans, DO, MS, Rutgers Health

- 5:04 pm-5:08 pm 351 - Gender Based Outcomes with Broström Repair and Internal Brace
Rachel D Dreher, PhD, Ohio State University
- 5:08 pm-5:12 pm 118 - Comparing Fixation Strategies for Distal Fibular Fractures: A Systematic Review
Anderson Lee, MD, Wright State University
- 5:12 pm-5:16 pm 165 - Early vs. Delayed Weight-Bearing After Weber B ORIF
CPT Melissa A Jenks, MPAS, PA-C, Brooke Army Medical Center
- 5:16 pm-5:20 pm 176 - Secondary Subtalar Arthrodesis after Calcaneus Fracture Compared with Primary Arthrodesis
Capt Arsh N. Patel, DO, Brooke Army Medical Center
- 5:20 pm-5:24 pm 305 - Second Metatarsal Head Reconstruction With Talar Osteochondral Allograft for Freiberg's Disease
LT Aimee Steen, DO, Naval Medical Center San Diego
- 5:24 pm-5:30 pm Discussion

Rapid Fire Session 1B – Shoulder Instability in the Military

- 4:30 pm-4:34 pm 271 - Surgeon Volume and Primary Bankart Repair Failure, ADSMs FY2010–2025
Veronika Pav, DrPh(c), Kennell and Associates, Inc.
- 4:34 pm-4:38 pm 317 - Predicting Recurrence After Arthroscopic Bankart Repair in Military Service Members: A Cox Model with Internal Validation
MAJ Bobby Yow, MD, Dwight D. Eisenhower Army Medical Center
- 4:38 pm-4:42 pm 339 - External Rotation Strength Endurance Deficits Persist After Arthroscopic Bankart Repair
Andrew J. Sheean, MD, University of Wisconsin
- 4:42 pm-4:46 pm 86 - Association of Sleep Disorder Diagnosis with Patient-Reported Outcomes After Arthroscopic Shoulder Capsulorrhaphy
CPT Usama A. Aljameey, DO, Walter Reed National Military Medical Center
- 4:46 pm-4:40 pm 140 - Association Between Baseline Factors and Shoulder Instability in Female Servicemembers
Kenneth L. Cameron, PhD, MPH, Keller Army Hospital
- 4:50 pm-4:54 pm 186 - Patient Satisfaction Following Shoulder Stabilization: A Retrospective Multivariate Analysis
CPT Michael K. Deegan, MD, Madigan Army Medical Center
- 4:54 pm-5:00 pm Discussion

5:00 pm-5:04 pm	3 - Inlay Glenoid Components in Total Shoulder Arthroplasty: Review and Meta-Analysis <i>CPT Zachary A Blashinsky, MD, Tripler Army Medical Center</i>
5:04 pm-5:08 pm	85 - Instability Direction Does not Affect Complex Glenoid Labrum Tears Outcomes <i>Justin J. Ernat, MD, University of Utah Health</i> <i>*Presented by Parker Boyce</i>
5:08 pm-5:12 pm	151 - Rotating-Hinge Revision Total Knee Arthroplasty for Arthrofibrosis Improves Motion <i>Verdinand C. B. Ruelos, MD, University of Texas Medical Branch</i>
5:12 pm-5:16 pm	327 - Atraumatic Scapular Winging, a Systematic Review <i>CPT Raymond V. Spaulding, MD, Madigan Army Medical Center</i>
5:16 pm-5:20 pm	299 - Irreducible Glenohumeral Dislocation <i>Madigan Army Medical Center: A Case Report</i> <i>CPT Matthew W. Feldman, MD, Madigan Army Medical Center</i>
5:20 pm-5:24 pm	64 - Radiographic Muscle Contour as a Predictor of Biceps Tendon Ruptures <i>LCDR John Metz, MD, Naval Medical Center Portsmouth</i>
5:24 pm-5:30 pm	Discussion

Rapid Fire Session 1C – Knee: ACL, Meniscus & Cartilage

4:30 pm-4:34 pm	55 - Video Analysis of ACL Injuries in Professional MMA Fighters <i>CPT James A Pruneski, MD, Tripler Army Medical Center</i>
4:34 pm-4:38 pm	266 - ACL Reconstruction Trends: A 2020–2025 Comparative Analysis <i>CPT Sean A. Kshir, BS, Brooke Army Medical Center</i>
4:38 pm-4:42 pm	269 - Surgeon Continuity in Revision ACL Reconstruction: A Retrospective Cohort Analysis <i>Capt Lily Swope, MD, Brooke Army Medical Center</i>
4:42 pm-4:46 pm	292 - Demographics and Incidence of Periacetabular Osteotomy Performed Within the Military <i>Garrett B. Neel, Medical University of South Carolina College of Medicine</i>
4:46 pm-4:40 pm	147 - Age-Dependent Throwing Injury Patterns in Youth Baseball <i>ENS Jackson Underhill, BS, BA, University of Hawaii John A Burns School of Medicine</i>
4:50 pm-4:54 pm	15 - Preoperative Risk Factors for Opioid Use Following Anterior Cruciate Ligament Reconstruction

LT Matthew A. Zinner, MD, Northwell Northshore University/Long Island Jewish Medical Center

- 4:54 pm-5:00 pm Discussion
- 5:00 pm-5:04 pm 79 - Career Outcomes Following Lisfranc Injuries in NFL Athletes
Ian A. Corwin, BS, University of Texas Medical Branch at Galveston
- 5:04 pm-5:08 pm 217 - Women's Lacrosse Injuries in the ED: HS vs. Collegiate Athletes
Donielle Miller-Hesse, DO, William Beaumont Army Medical Center
- 5:08 pm-5:12 pm 274 - Trends in Surgical Interventions for Knee Articular Cartilage Lesions
Michael Aderman, MS, Keller Army Community Hospital
- 5:12 pm-5:16 pm 285 - Evaluating Performance in National Hockey League Players after ACL Reconstruction
Cameron Bowers, BS, University of Texas Medical Branch
- 5:16 pm-5:20 pm 33 - Outcomes Following Lateral Meniscus Oblique Radial Tear Repair During Anterior Cruciate Ligament Reconstruction
LT Andrew J. Recker, MD, Wake Forest School of Medicine
- 5:20 pm-5:24 pm 263 - Early Outcomes of Primary ACL Repair: A Case Series
CPT Megan E. Barney, MS, MD, Brooke Army Medical Center
- 5:24 pm-5:30 pm Discussion

Rapid Fire Session 1D – Adult Reconstruction

- 4:30 pm-4:34 pm 123 - Same-Day Discharge After TKA Does Not Increase 30-Day Emergency-Department Returns
Capt Andrew D. Maeso, DO, Grandview - Kettering Health Orthopedic Surgery Residency Program
- 4:34 pm-4:38 pm 168 - Utility of Routine Postoperative Radiographs following THA in the ASC
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center
- 4:38 pm-4:42 pm 49 - MRI Bone Marrow Lesion Severity Predicts Joint Space Loss
Abrar K Chaudhry, Rosalind Franklin University - Chicago Medical School
- 4:42 pm-4:46 pm 166 - Real-World Pharmacologic Venous Thromboembolism Prophylaxis Patterns Following Major Lower-Extremity Orthopedic Surgery
Oluwatofe Alimi, MD, University of Texas Medical Branch at Galveston
- 4:46 pm-4:40 pm 231 - Prior Knee Surgery Mediates MUA Risk in Young TKA Patients
Alexandra Richards, MD, University of California, Los Angeles

- 4:50 pm-4:54 pm 219 - Predicting Periprosthetic Joint Infection Risk Using Surgical Complexity and Frailty
Alexander H. King, MD, University of California, Los Angeles
- 4:54 pm-5:00 pm Discussion
- 5:00 pm-5:04 pm 127 - Pregnancy after Total Hip Arthroplasty: A Military Health System Case Series
LT Caitlyn J Koo, MD, Naval Medical Center Portsmouth
- 5:04 pm-5:08 pm 195 - Ledged Eyewear Provision Across Orthopedic Surgery Residency Programs
Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center
- 5:08 pm-5:12 pm 247 - Steroids and ASA Class Predict 30-Day Adverse Events After Outpatient TJA
Timothy S. Ko, BS, David Geffen School of Medicine
- 5:12 pm-5:16 pm 32 - Trends in Anesthetic Technique for Hip Fracture Surgery
CPT Brandon Hillery, MD, BA, Womack Army Medical Center/ Cape Fear Valley
- 5:16 pm-5:20 pm 185 - Prosthetic Joint Infections in Veterans: Risk Factors, Prevention and Outcomes
2nd Lieutenant Dipesh Patel, BS, Thomas F. Frist. Jr. College of Medicine
- 5:20 pm-5:24 pm 321 - Sleep quality, PROMS, and kinematic outcomes after TKA
CPT Joshua A. Hansen, MD, William Beaumont Army Medical Center
- 5:24 pm-5:30 pm Discussion

Rapid Fire Session 1E – Basic Science, Biomechanics & Translational Research

- 4:30 pm-4:34 pm 213 - Pan-Cancer CRISPR Profiling Identifies EWSR1-FLI1 Dependencies in Ewing Sarcoma
Petty Officer First Class Casey D Abernethy, BS, University of California - Los Angeles
- 4:34 pm-4:38 pm 204 - CRISPR-Surfaceome Atlas for CAR-T and Radioligand Targets in Bone Sarcoma
Petty Officer First Class Casey D Abernethy, BS, University of California - Los Angeles
- 4:38 pm-4:42 pm 58 - Annular Preservation in Disc Access in Human Cadaveric Lumbar Spine
COL (Ret) David W. Polly, MD, University of Minnesota
- 4:42 pm-4:46 pm 323 - Mouse Soft Tissue Trauma Protein Induces Irresuscitable Cardiovascular Collapse

*2LT Nathaniel E Sherman, MA Liberty University, Liberty University
College of Osteopathic Medicine*

- 4:46 pm-4:40 pm 76 - Plasma Cytokine Profiles in Total and Unicompartmental Knee Arthroplasty Patients
CPT Jordan M Dobrich, MD, MBA, Madigan Army Medical Center
- 4:50 pm-4:54 pm 157 - Flexible Fixation for Lisfranc Injuries in Athletes: Biomechanics, Outcomes, and Return to Sport
CPT Alex M. Bouterse, MD, Tripler Army Medical Center
- 4:54 pm-5:00 pm Discussion
- 5:00 pm-5:04 pm 291 - Comparison of Biomechanical and Biologic Properties of Fresh and Frozen Allografts
Cameron J Arnet, BS, Steadman and Philippon Research Institute
- 5:04 pm-5:08 pm 75 - Cytokine Signatures in Primary and Revision Anterior Cruciate Ligament Injuries
CPT Haley Johnson, MD, MS, Madigan Army Medical Center
- 5:08 pm-5:12 pm 240 - Does Distance Matter? Biomechanical Testing of Pulvertaft Coaptation Techniques
LT Skyler D. Walker, MD, Naval Medical Center Portsmouth
- 5:12 pm-5:16 pm 171 - Titanium Implant Hypersensitivity Reactions in Orthopaedic Surgery: A Systematic Review
Sqn Ldr David C Cain, MB, ChB, MRCS, Royal Centre for Defence Medicine
- 5:16 pm-5:20 pm 288 - Lateral Meniscus Radial Tear: Comparing Repair Techniques and Load Sharing
LCDR Jamie Frost, BS, MS, Steadman and Philippon Research Institute
- 5:20 pm-5:24 pm 67 - Are Damaged Blue Wraps able to Maintain Sterility?
LT Christian J. Coulson, MD, Naval Medical Center Portsmouth
- 5:24 pm-5:30 pm Discussion

Wednesday, December 9

Concurrent Symposium 2A – Hand – Jamie Bulken-Hoover Memorial Hand Session

- 7:00 am-7:15 am Title TBD
Peter M. Murray, MD, Mayo Clinic Jacksonville
- 7:15 am-7:30 am Title TBD
John V. Ingari, MD, Lifebridge Health

7:30 am-7:35 am Discussion

Concurrent Symposium 2B – Sports Knee

7:00 am-7:15 am Title TBD
Rachel M. Frank, MD, University of Colorado School of Medicine

7:15 am-7:30 am Title TBD
Seth Sherman, MD, Stanford University

7:30 am-7:35 am Discussion

Concurrent Session 2A – Hand – Jamie Bulken-Hoover Memorial Hand Session

Moderator: Peter M. Murray, MD, Mayo Clinic Jacksonville
John V. Ingari, MD, *Lifebridge Health*

7:40 am-7:46 am 72 - Prospective Strength and Performance Outcomes after RPNI for Hand Neuromas
Aviram M. Giladi, MD, MS, Curtis National Hand Center at Union Memorial

7:46 am-7:52 am 81 - Ultrasound Changes following Corticosteroid Injection for Trigger Finger
ENS Sresth Viswanathan, BS, Georgetown University School of Medicine

7:52 am-7:58 am 145 - PEG Fusion after Median Nerve Injury in Non-Human Primates
CPT Mariah Arave, MD, Brooke Army Medical Center

7:58 am-8:04 am 82 - Index Metacarpal Fracture Risk in Suture-Button Suspensionplasty & the Effects of Drill Hole Position: A Cadaveric Study
ENS Ian D Kretzmann, BA, University of Colorado School of Medicine

8:04 am-8:10 am Discussion

8:10 am-8:16 am 148 - Soft Tissue Considerations in Middle Phalanx Percutaneous Screw Placement
Capt Cory Husk, MD, Brooke Army Medical Center

8:16 am-8:22 am 348 - Fasciectomy With and Without External Fixation for Proximal Interphalangeal Joint Dupuytren Contractures
CDR John P. Waggoner, MD, MPH, Naval Medical Center San Diego

8:22 am-8:28 am 281 - Recurrence Rates and Return to Duty Outcomes After Wrist Ganglion Excision in the Military Population
CPT Alexys Bermudez, MD, Tripler Army Medical Center

8:28 am-8:34 am 259 - Low Nonunion Rate and Return to High Level Activity with Thumb Carpometacarpal Arthrodesis
Victoria Garrard, BA, Walter Reed National Military Medical Center

8:34 am-8:40 am Discussion

Concurrent Session 2B – Sports Knee

Moderator: Rachel M. Frank, MD, *University of Colorado School of Medicine*
Seth Sherman, MD, *Stanford University*

7:40 am-7:46 am 334 - BFR Does Not Improve Quadriceps Strength After QT ACLR: A Randomized Trial
MAJ Daniel J. Cagnetti, MD, Brooke Army Medical Center

7:46 am-7:52 am 57 - Glenoid Bone Loss Explains Heterogeneity in Recurrence: A Meta-Regression Analysis
CPT James A Pruneski, MD, Tripler Army Medical Center

7:52 am-7:58 am 273 - Preoperative Testosterone Replacement Therapy is Associated with Increased Revision Surgery Rates Following Major Tendon Repair: A Propensity-Matched Analysis of the TriNetX Research Network
Damon Ross, BS, Henry Ford Health

7:58 am-8:04 am 222 - Hamstring-to-Quadriceps Strength Ratio is not Associated with Re-Rupture Following ACL Reconstruction: An ACL Reconstruction Rehabilitation Outcomes Workgroup (ARROW) Study
LT Valentina Ramirez, MD, Walter Reed National Military Medical Center

8:04 am-8:10 am Discussion

8:10 am-8:16 am 88 - Outcomes for Anterior vs. Anterior-Lateral Compartment Fasciotomies for Exertional Compartment Syndrome
Justin J. Ernat, MD, University of Utah Health
**Presented by Parker Boyce*

8:16 am-8:22 am 229 - Comparing Patient Profiles and Meniscus Tear Patterns: A Cluster Study
CPT Santita Ebangwese, MD, MS, Duke University

8:22 am-8:28 am 298 - Performance Monitoring and Injury Risk: Predicting Hamstring Injuries in Division I Football Players
CAPT Robert A. Waltz, MD, United States Naval Academy

8:28 am-8:34 am 174 - PT Utilization Following ACLR With LET and Meniscal Repair
Alexander B. White, MD, Atrium Health Carolinas Medical Center

8:34 am-8:40 am Discussion

8:40 am-9:00 am Break with Exhibitors

Concurrent Panel Discussion 2A – Hand - Jamie Bulken-Hoover Memorial Hand Session

9:00 am-9:20 am Panel Discussion

Panel: *Peter Murray, MD, Mayo Clinic Jacksonville*
John V. Ingari, MD, Lifebridge Health

Concurrent Panel Discussion 2B – Sports Knee

- 9:00 am-9:20 am Panel Discussion
Panel: *Rachel M. Frank, MD, University of Colorado School of Medicine*
Seth Sherman, MD, Stanford University
- 9:25 am- 9:40 am **Business Meeting**
CDR Jennifer L. Smith, MD, Naval Medical Center, San Diego
**CME Not Available*

Special Session 2 – Olympic Panel

Moderator: *Thomas Hackett, MD, The Steadman Clinic*

- 9:40 am-10:20 am Panel Discussion
Panel: *Thomas Hackett, MD, The Steadman Clinic*

10:20 am-10:45 am Break with Exhibitors

Special Session 3 – Peptides and Supplements: Latest and Greatest

Moderator: *CDR Kevin Bernstein, MD, MMS, FAAFP, Naval Special Warfare Group TWO*

- 10:45 am-11:10 am Title TBD
CDR Kevin Bernstein, MD, MMS, FAAFP, Naval Special Warfare Group TWO
- 11:10 am-11:35 am Title TBD
CDR Jed Siebel, MD, US Navy
- 11:35 am-11:45 am Discussion
- 11:45 am-12:45 pm **Focused Lunch Presentations**
**CME Credit not available*
- 1:00 pm-4:30 pm **Scientific E-Poster Session**
(Presenters will be available to answer questions)

Rapid Fire Session 2A – Trauma II - Hip, Pelvis & Geriatric Fracture Care 4

- 4:30 pm-4:34 pm 328 - Outcomes Following Elderly Femoral Shaft Fractures: A GOLD-FEM (Geriatric Outcomes and Long-Term Data on FEMoral fractures) Multicenter Study
Lisa K. Cannada, MD, Novant Health
- 4:34 pm-4:38 pm 275 - Neighborhood Deprivation and Crime Burden as Predictors of Postoperative Outcomes After Hip Fracture
Damon Ross, BS, Henry Ford Health

- 4:38 pm-4:42 pm 135 - Are We Getting Better at Fixing the Pelvic Ring? A Single-Center Cohort Comparison
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center
- 4:42 pm-4:46 pm 307 - Acute vs. Revision THA for Acetabular Fracture: Propensity-Matched Outcomes
ENS Cyrus F Eghtedari, BS, Case Western Reserve University
- 4:46 pm-4:40 pm 337 - Pelvic Arterial Embolization and Transfusion Risk After Pelvic Fracture Surgery
Joshua Lui, BBA, University of Texas Medical Branch
- 4:50 pm-4:54 pm 120 - Orthopedic Fracture Patterns Following Falls From the United States-Mexico Border Barrier
LT Thomas Michael Johnstone, MD, Naval Medical Center San Diego
- 4:54 pm-5:00 pm Discussion
- 5:00 pm-5:04 pm 234 - Complications after Open vs. Closed Reduction in Subtrochanteric Femur Fractures
2d Lt Cameron Leonard, Brooke Army Medical Center
- 5:04 pm-5:08 pm 261 - Orthopaedic Experience of a New Trauma Center: CT Angiogram in Lower Extremity Orthopaedic Trauma
LT Christian J. Coulson, MD, Naval Medical Center Portsmouth
- 5:08 pm-5:12 pm 340 - Characterizing the Landscape of Vendor-Surgeon Relationships in Orthopaedic Trauma
CPT William McClelland, MD, William Beaumont Army Medical Center
- 5:12 pm-5:16 pm 207 - Skeletal Traction Pin Placement in the Distal Femur and Proximal Tibia: A Scoping Review of Techniques, Safety, and Complications
CPT Emmanuel G. Cuevas, MS, William Beaumont Army Medical Center
- 5:16 pm-5:20 pm 130 - Delayed Posterior Sternoclavicular Joint Dislocation Managed with Fiberwire Fixation
Capt Brooke A Smith, MD, BS, Wright Patterson Medical Center
- 5:20 pm-5:24 pm 255 - Intramedullary Fixation of Intertrochanteric Fracture Using Transtibial Prosthesis for Traction
LT Ian D. C. Fraser, DO, Naval Medical Center San Diego
- 5:24 pm-5:30 pm Discussion

Rapid Fire Session 2B – Rotator Cuff, Tendon & Sports Shoulder

- 4:30 pm-4:34 pm 101 - Glucagon-Like Peptide 1 Receptor Agonists are Associated with a Higher Five-Year Incidence of Major Tendon Rupture
Katherine S Ferry, MD, University of Texas Medical Branch

4:34 pm-4:38 pm	342 - Clinical Outcomes Following Distal Biceps Tendon Repair: A Comparative Analysis of Inlay vs. Onlay Fixation Techniques <i>LT Valentina Ramirez, MD, Walter Reed National Military Medical Center</i>
4:38 pm-4:42 pm	333 - Biogroove Decortication Reduces Tendon Displacement During Double-Row Rotator Cuff Repair <i>LT (Ret.) Taylor K Calibo, MS, Steadman and Philippon Research Institute</i>
4:42 pm-4:46 pm	161 - Prior Non-Shoulder Joint Prosthetic Infection is Associated with Increased Risk of Infection or Adverse Outcome Following Shoulder Arthroplasty <i>Tristan J. Elias, MD, UTMB</i>
4:46 pm-4:40 pm	68 - Anabolic Steroid Association with Revision Rates Following Rotator Cuff Repair <i>Joshua Wang, MS, University of Texas Medical Branch</i>
4:50 pm-4:54 pm	144 - Using the Forearm to Guide Biceps Tenodesis Trajectory: An Anatomic Study <i>Capt Raul A. Davalos, MD, Brooke Army Medical Center</i>
4:54 pm-5:00 pm	Discussion
5:00 pm-5:04 pm	218 - Post-Traumatic Stress Disorder and ARCR: Increased Complications and Healthcare Utilization <i>CPT Joshua Boring, MD, William Beaumont Army Medical Center</i>
5:04 pm-5:08 pm	90 - Posterolateral Corner Injuries with a Biceps Femoris Tear and Nerve Injury <i>Justin J. Ernat, MD, University of Utah Health</i> <i>*Presented by Parker Boyce</i>
5:08 pm-5:12 pm	315 - Redefining Risk: The Need for Better Malnutrition Screening Before Shoulder <i>ENS Zachary L. Morcos, BS, Nova Southeastern University Dr. Kiran C. Patel College of Osteopathic Medicine</i>
5:12 pm-5:16 pm	191 - Postoperative Load Restrictions After Reverse Total Shoulder Arthroplasty: Scoping Review <i>Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center</i>
5:16 pm-5:20 pm	1 - Biomechanical Video Analysis of Shoulder Dislocations in NFL Athletes <i>CPT Zachary A Blashinsky, MD, Tripler Army Medical Center</i>
5:20 pm-5:24 pm	350 - Repairs of Mid-Substance Biceps Brachii Tears: A Case Series

CPT Kaydee Robertson, DO, MA, Womack Army Medical Center

5:24 pm-5:30 pm Discussion

Rapid Fire Session 2C – Hand & Wrist

- 4:30 pm-4:34 pm 73 - PROs Following RPNI for Hand Neuromas: A Prospective Cohort Study
Aviram M. Giladi, MD, MS, Curtis National Hand Center at Union Memorial
- 4:34 pm-4:38 pm 116 - The Effects of Age & Sex on the Index Metacarpal in Suture-Button Suspensionplasty
ENS Ian D Kretzmann, BA, University of Colorado School of Medicine
- 4:38 pm-4:42 pm 108 - Update to Correlation between Carpal Tunnel Syndrome and Sleep Quality
LT David Musher, MD, Naval Medical Center Portsmouth
- 4:42 pm-4:46 pm 34 - Safety and Recovery of Hand Surgery in Neurofibromatosis Type 1
Jeremy Somerson, MD, University of Texas Medical Branch at Galveston
- 4:46 pm-4:40 pm 178 - Trends in Targeted Muscle Reinnervation and Regenerative Peripheral Nerve Interface Procedures Over the Past 20 Years: A Retrospective Database Analysis
LT Kyle M. Griffith, MD, University of Southern California
- 4:50 pm-4:54 pm 137 - 3D-Printed Versus Standard Dynamic External Fixators for PIP Fracture Dislocations
LT Robert C. Weishar, MD, Naval Medical Center Portsmouth
- 4:54 pm-5:00 pm Discussion
- 5:00 pm-5:04 pm 87 - Smooth Pegs vs Threaded Screws in VLP Fixation of C3 Distal Radius Fractures
LT Isaiah Jackson, MD, Naval Medical Center Portsmouth
- 5:04 pm-5:08 pm 194 - Correlation Between EMG/NCS-Proven Cubital Tunnel Syndrome and Sleep Quality as Measured by Polysomnogram
LT Caroline Kwon, MD, Naval Medical Center Portsmouth Measured by Polysomnogram
- 5:08 pm-5:12 pm 287 - Management of Scaphoid Fractures Using Custom-Fit 3D Printed Casts
LT Kristine M. Oblatz, MD, Naval Medical Center San Diego
- 5:12 pm-5:16 pm 335 - Comparative Efficacy of Suture Suspensionplasty vs. LRTI: A Systematic Review on Functional Outcomes and Surgical Efficiency
Emily T. Yan, DO, MS, University of California, San Francisco

5:16 pm-5:20 pm 225 - The Influence of Lunate Morphology on Perilunate Injuries
LT Evan D. Crawford, DO, Naval Medical Center Portsmouth

5:20 pm-5:24 pm 39 - Fowl Play in the First Webspacer: Infection After Chicken
Paracentesis
LT Isabella Penkwitz, MD, Naval Medical Center Portsmouth

5:24 pm-5:30 pm Discussion

Rapid Fire Session 2D – Spine

4:30 pm-4:34 pm 236 - Impact of Checkpoint Inhibitor Immunotherapy on Endoprosthetic
Reconstruction Outcomes
Sumin Jeong, BS, David Geffen School of Medicine at UCLA

4:34 pm-4:38 pm 65 - Iliosacral Implant Placement Virtual Versus Actual
COL (Ret) David W. Polly, MD, University of Minnesota

4:38 pm-4:42 pm 5 - 3D Printed Titanium Cages Have an Increased Rate of Lumbar Fusion
Compared to Traditional PEEK Cages: A Systematic Review and Meta-
analysis
*2LT Ethan C Gazan, MS, Liberty University College of Osteopathic
Medicine*

4:42 pm-4:46 pm 214 - Impact of Geriatric Status on Outcomes Following Robotic Spine
Fusion
*CPT Usama A. Aljameey, DO, Walter Reed National Military Medical
Center*

4:46 pm-4:40 pm 302 - Managing Diffuse Idiopathic Skeletal Hyperostosis (DISH) and
Ankylosing Spondylitis (AS): Is There a Clear Consensus? Results from
the AO Spine Global Survey
Capt Ashley Gall, MD, St Louis University Hospital

4:50 pm-4:54 pm 316 - Conservative Care Utilization Patterns, Patient Cost Sharing, and
Time to Surgery in Lumbar Spinal Stenosis: A National Claims Analysis
*CAPT Janice M. Bonsu, MD, MPH, Emory University Spinal Stenosis: A
National Claims Analysis*

4:54 pm-5:00 pm Discussion

5:00 pm-5:04 pm 354 - Microvascular Ultrasound Detects Exercise-Induced Perfusion
Changes in Lumbar Multifidus
Sahil Garg, BS, Steadman Clinic

5:04 pm-5:08 pm 13 - Evaluating Patient Readiness for Spine Surgery: A Cross-Sectional
Study
Lindsay Orosz, PhD, MSc, PA-C, National Spine Health Foundation

- 5:08 pm-5:12 pm 48 - Construct Extent Affects Postoperative Medication Pathways After Lumbar Fusion
Abrar K Chaudhry, Rosalind Franklin University - Chicago Medical School
- 5:12 pm-5:16 pm 181 - Cauda Equina Syndrome in the Military
Jamison Walker, WAMC/Cape Fear Valley
- 5:16 pm-5:20 pm 349 - Assessment of Biomechanical Stability of Cadaveric Lumbar Spines Instrumented with Standard ALIF Implants for Baseline Comparison of Future Patient-Matched Interbody Solutions
LT Matthew M. O'Hara, MD, Walter Reed National Military Medical Center
- 5:20 pm-5:24 pm 142 - Long-Term Outcomes Following Single-Level Lumbar Microdiscectomy in Active-Duty
**Presented by LT Skyler D. Walker, MD*
- 5:24 pm-5:30 pm Discussion

Rapid Fire Session 2E – Military Readiness, Deployment & War Surgery

- 4:30 pm-4:34 pm 155 - Thermoplastic Elastomer Dressing Promotes Porcine Burn Healing
Michael S. Shuler, MD, Athens Orthopedic Clinic
- 4:34 pm-4:38 pm 205 - Attire Preferences and Influence on Patient Perceptions in a Military Orthopedic Setting
CPT John A. Sbarbaro, DO, MPH, William Beaumont Army Medical Center
- 4:38 pm-4:42 pm 77 - Return to Duty Outcomes After Tibial Plateau Fractures
Lauren Wohlrab, MD, Womack Cape Fear Orthopaedic Residency
- 4:42 pm-4:46 pm 14 - Return on Investment of Fellowship Training, Academic and Military Careers
CPT Erickson Andrews, MD, Henry Ford Health System
- 4:46 pm-4:40 pm 103 - Chronic Exertional Compartment Syndrome (CECS) in the U.S. Military: A Retrospective Analysis of Incidence and Risk Factors Across Branches (2012-2024)
CPT Udaya Dahal, MS, Brooke Army Medical Center
- 4:50 pm-4:54 pm 202 - Patellofemoral Instability: A 25-Year Retrospective Review and Evolution of Surgical Management in Military Patients
COL(R) Craig R. Bottoni, MD, Tripler Army Medical Center
- 4:54 pm-5:00 pm Discussion

5:00 pm-5:04 pm	343 - Discharge Disposition and Orthopaedic Surgical Completion: Border Wall-Related Trauma <i>2LT Antonio A. Henry, BS, MSPH, Philadelphia College of Osteopathic Medicine</i>
5:04 pm-5:08 pm	355 - Rucksack Palsy: Military Brachial Plexopathy and Orthopedic Implications <i>2Lt Olivia Kimmerle, BS, VCOM-Carolinas</i>
5:08 pm-5:12 pm	153 - Forging Partnerships with Host-Nation Orthopedic Surgeons: A South Korean Case Study <i>CPT Annie Y Lee, MD, Brooke Army Medical Center</i>
5:12 pm-5:16 pm	294 - Orthopedic Trauma Research in 21st-Century Combat: A Bibliometric Analysis <i>2LT Sage Post, BS, Texas Tech University Health Sciences School of Medicine</i>
5:16 pm-5:20 pm	89 - Combined Elbow Disarticulation, Humeral Shortening Osteotomy + Modified Saha Acromion Transfer <i>LT Thomas E Dickerson, MD, Walter Reed National Military Medical Center</i>
5:20 pm-5:24 pm	53 - CKCUEST Administration and Interpretation in Tactical Athlete Rehabilitation: Scoping Review <i>2LT Raymond B Delray, BS, University of Colorado Anschutz School of Medicine</i>
5:24 pm-5:30 pm	Discussion
5:30 pm-6:20 pm	Service Breakouts (Air Force, Army, Navy)

Thursday, December 10

Concurrent Symposium 3A – Upper Extremity Trauma

7:00 am-7:20 am	Title TBD <i>Surg Cdr Jowan G. Penn-Barwell, MB ChB, PhD, FRCS, Oxford Trauma Service</i>
7:20 am-7:25 am	Discussion

Concurrent Session 3A – Upper Extremity Trauma

Moderator: Surg Cdr Jowan G. Penn-Barwell, MB ChB, PhD, FRCS, *Oxford Trauma Service*
Aviram (Avi) Giladi, MD, *MedStar Union Memorial Hospital*
MAJ John P. Scanaliato, MD, *William Beaumont Army Medical Center*
CAPT Scott M. Tintle, MD, *University of Pennsylvania*

- 7:30 am-7:36 am 296 - Direct Catheter Delivery of Antibiotics in Porcine Open Fracture Model
CPT Mariah Arave, MD, Brooke Army Medical Center
- 7:36 am-7:42 am 80 - Clinical Deterioration Index Predicts Perioperative Complications in Orthopedic Trauma Patients
CPT Alex M. Bouterse, MD, Tripler Army Medical Center
- 7:42 am-7:48 am 121 - Perioperative GLP-1 Agonists and Outcomes After Elbow Fracture Fixation
LT Eric M. Cal, MD, University of Texas Health Sciences San Antonio
- 7:48 am-7:54 am 84 - LTAC Cost Savings: Foamless NPWT Dressing vs. Traditional Foam Dressings
Michael S. Shuler, MD, Athens Orthopedic Clinic
- 7:54 am-8:00 am Discussion
- 8:00 am-8:06 am 257 - Bacterial Threat in the Eastern European Landwar
COL B. Hudson Berrey, MD, University of Florida, Jacksonville
- 8:06 am-8:12 am 233 - Contemporary Principles of K Wire Fixation and Operational Applications
LT Kyle P. Wieschhaus, MD, Naval Medical Center Portsmouth
- 8:12 am-8:18 am 198 - Pre-Fracture SGLT2 Inhibitor Exposure and Humeral Nonunion Risk
Andrew Madsen, UTHSCSA
- 8:18 am-8:24 am 17 - Results of Third Generation Intramedullary Fixation for Midshaft Clavicle Fractures
Paul Hoogervorst, MD PhD, University of Minnesota
- 8:24 am-8:30 am Discussion

Concurrent Session 3B – Foot/Ankle

Moderator: Max P. Michalski, MD, MSc, *Cedars-Sinai Medical Center*

- 7:30 am-7:36 am 126 - Percutaneous Reduction of Severe Intra-Articular Calcaneus Fractures and Posterior Arthroscopic Subtalar Arthrodesis (C-PASTA): A One-Year Follow-Up Series
Kevin D. Martin, DO, Ohio State University Wexner
- 7:36 am-7:42 am 301 - Freehand vs. Jig-Guided Minimally Invasive Surgery for Hallux Valgus Correction
Capt Tori N. Kinamon, MD, Brooke Army Medical Center
- 7:42 am-7:48 am 22 - Transmalleolar vs Portal-Based Minimally Invasive Tibiotalar Joint Preparation: Cadaveric Study
Capt Arsh N. Patel, DO, Brooke Army Medical Center

- 7:48 am-7:54 am 215 - Electromyographic Activity in Immobilized Lower Extremities Utilizing Ambulatory Assistive Devices
Cuyler Dewar, MD, MS, Ohio State University Medical Center
- 7:54 am-8:00 am Discussion
- 8:00 am-8:06 am 113 - Dynamic Nitinol Screws Demonstrate Superior Maintained Compression in Subtalar Arthrodesis Compared to Static Constructs
CPT James D. Baker, MD, San Antonio Military Medical Center
- 8:06 am-8:12 am 248 - Radiographic Vascular Calcifications Predict Wound Complications in Operative Calcaneus Fractures
CPT Sean A. Kshir, BS, Brooke Army Medical Center
- 8:12 am-8:18 am 293 - Syndachilles: Simultaneous Syndesmosis and Achilles Rupture
LT Robert C. Weishar, MD, Naval Medical Center Portsmouth
- 8:18 am-8:24 am 322 - Tibial Nerve Reconstruction with Allograft Following Lower Extremity Trauma
T. Christopher Sullivan, MD, MBA, Naval Medical Center San Diego
- 8:24 am-8:30 am Discussion

Concurrent Panel Discussion 3A – Upper Extremity Trauma

- 8:35 am-8:55 am Panel Discussion
Panel: *Surg Cdr Jowan G. Penn-Barwell, MB ChB, PhD, FRCS, Oxford Trauma Service*
Aviram (Avi) Giladi, MD, MedStar Union Memorial Hospital
MAJ John P. Scanaliato, MD, William Beaumont Army Medical Center
CAPT Scott M. Tintle, MD, University of Pennsylvania

Concurrent Panel Discussion 3B – Foot/Ankle

- 8:35 am-8:55 am Panel Discussion
Panel: *Max P. Michalski, MD, MSc, Cedars-Sinai Medical Center*
- 8:55 am-9:10 am *Refreshment Break*

Concurrent Symposium 4A – Lower Extremity Trauma

- 9:10 am-9:20 am Title TBD
Jennifer Hagen, MD, University of Florida, Gainesville
- 9:20 am-9:30 am Title TBD
William T. Obremskey, MD, MPH, MMHC, Vanderbilt University Medical Center
- 9:30 am-9:35 am Discussion

Concurrent Symposium 4B – Pediatrics

Moderator: Military Moderator

9:10 am-9:30 am Title TBD
Hank Chambers, MD, Rady Children's Hospital

9:30 am-9:35 am Discussion

Concurrent Session 4A – Lower Extremity Trauma

Moderator: Jennifer Hagen, MD, *University of Florida, Gainesville*
William T. Obremskey, MD, MPH, MMHC, *Vanderbilt University Medical Center*

9:35 am-9:41 am 2 - Your Smartphone Knows Your Discharge Location Before You Do
CPT Ian P. Marshall, MD, Walter Reed National Military Medical Center

9:41 am-9:47 am 25 – Outcomes Following the Implementation of a Novel Free Flap Protocol for Extremity Reconstruction: A Retrospective Cohort
Nicholas Phan, BS, University of Texas Health Science Center San Antonio

9:47 am-9:53 am 4 - Do Peripheral Nerve Blocks Hinder Post-Operative Ambulation After Extremity Trauma?
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center

9:53 am-9:59 am 37 - Preoperative Anemia Predicts Complications in Lower Extremity Long-Bone Fractures
2LT Dilibe C Ekowa, BS, Des Moines University

9:59 am-10:05 am Discussion

10:05 am-10:11 am 117 - Smartphone Mobility Recovery After Different Lower Extremity Fractures
CAPT Patrick J. McGlone, MD, Walter Reed National Military Medical Center

10:11 am-10:17 am 133 - Improved Pain and Function with Infrapatellar Nailing of Tibia Fractures
LT John E Railey, MD, MA, Walter Reed National Military Medical Center

10:17 am-10:23 am 138 - CT Hounsfield Units and Nonunion in Distal Femur Fractures
CPT Elizabeth Rich, MD, MPH, Walter Reed National Military Medical Center

10:23 am-10:29 am 329 - Risk Factors for Adverse Outcomes Following Pilon Fracture Fixation: A Multicenter Retrospective Review
Lisa K. Cannada, MD, Novant Health

10:29 am-10:35 am Discussion

Concurrent Session 4B – Pediatrics

Moderator: Hank Chambers, MD, *Rady Children's Hospital*
Military Moderator

- 9:35 am-9:41 am 92 - Pulmonary Function After Surgical Intervention for Early Onset Scoliosis
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton
- 9:41 am-9:47 am 24 - Above Elbow Casts with the Wrist and Hand Free vs. Standard Above Elbow Casts with the Wrist and Hand included in the Treatment of Supracondylar Humerus Fractures in Children: A Randomized Prospective Study
Capt G. Dillon Graham, MD, Atrium Health/OrthoCarolina
- 9:47 am-9:53 am 251 - AI-Assisted Fracture Detection Reduces Pediatric ED Length of Stay
CPT Nathan D Kappler, DO, William Beaumont Army Medical Center
- 9:53 am-9:59 am 282 - Tis the Season: Seasonality and Mechanism of Injury of Pediatric Tibial Tubercle Fractures
CPT Brooke Kowalski, MD, Madigan Army Medical Center
- 9:59 am-10:05 am Discussion
- 10:05 am-10:11 am 51 - Age-Related Fracture Patterns and Mechanisms in Pediatric Football Injuries
ENS Jackson Underhill, BS, BA, University of Hawaii John A Burns School of Medicine
- 10:11 am-10:17 am 184 - Benign Spinal Tumors Presenting With Scoliosis: A Scoping Review of 64 Cases
Aleksandar Sic, MD, School of Medicine University of Belgrade
- 10:17 am-10:23 am 244 - Surgical Treatment of Bilateral Congenital Knee Dislocations in a Patient with Loeys-Dietz Syndrome
LT Skyler D. Walker, MD, Naval Medical Center Portsmouth
- 10:23 am-10:29 am 208 - Saving the Sprint: A Novel Surgical Technique in an Adolescent Athlete
LT Karolina A. Serhan, MD, Naval Medical Center Portsmouth
- 10:29 am-10:35 am Discussion

Concurrent Panel Discussion 4A – Lower Extremity Trauma

10:40 am-11:00 am Panel Discussion

Panel: *Jennifer Hagen, MD, University of Florida, Gainesville*
William T. Obremskey, MD, MPH, MMHC, Vanderbilt University
Medical Center

Concurrent Panel Discussion 4B – Pediatrics

10:40 am-11:00 am Presentation
Panel: *Hank Chambers, MD, Rady Children’s Hospital*

11:00 am-11:15 am *Refreshment Break*

Special Session 4 – Reserves: Everything You Need to Know

Moderator: *Kurtis Kowalski, MD, Tennessee Orthopaedic*

11:15 am-11:45 am Title TBD
Kurtis Kowalski, MD, Tennessee Orthopaedic Alliance

11:45 am-12:45 pm **Focused Lunch Presentations**
**CME Credit not available*

1:00 pm-2:00 pm **Scientific E-Poster Session**
(Presenters will be available to answer questions)

Best of SOMOS – Award Presentations

Moderators: *LCDR Nicholas H. Lake, MD Naval Medical Center, San Diego*
CDR Christopher H. Renninger, MD, Walter Reed National Military Medical
Center

3:30 pm-3:36 pm **Founders’ Award**

3:36 pm-3:42 pm **Norman T. Kirk Award**

3:42 pm-3:48 pm **Jamie Dianne Bulken-Hoover Memorial - Best Hand Paper Award**

3:48 pm-3:54 pm **Best Spine Paper Award**

3:54 pm-4:00 pm **Joint Forces Shoulder Instability Award**

Special Session 5 – Panel Discussion – Allgood Award Winners

Moderators: *CDR Jennifer L. Smith, MD, Naval Medical Center, San Diego*
LTC Jeanne C. Patzkowski, MD, Brooke Army Medical Center

4:00 pm-4:10 pm Presentation of Allgood Award

4:10 pm-5:00 pm Panel Discussion
Panel: *COL(Ret) B. Hudson Berrey Jr., MD, University of Florida,*
Jacksonville
Bruce L. Gillingham, MD, High Reliability Consulting, LLC
COL (Ret) Mark P. Pallis, DO, Geisinger Musculoskeletal Institute
Col (Ret) John M. Tokish, MD, Mayo Clinic

Friday, December 11

Rapid Fire Session 3A – Trauma III - Infection, Nonunion & Soft Tissue

- 7:00 am-7:04 am 19 - Management of High-Energy Femoral Head Fractures in Young Patients
CPT Ian P. Marshall, MD, Walter Reed National Military Medical Center
- 7:04 am-7:08 am 94 - Single vs. Multiple Screw Fixation of Triplane Ankle Fractures
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton
- 7:08 am-7:12 am 43 - Does Delayed Fasciotomy Lead to Amputation?
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center
**Presented by CPT Elizabeth Rich, MD, MPH*
- 7:12 am-7:16 am 141 - Fracture-Related Infection Rates and Risk Factors in Tibial Plateau Fractures
2LT Nelson Chow, AB, Harvard Medical School
- 7:16 am-7:20 am 211 - Pre-Incisional Re-Administration of Antibiotics in Open Fractures Reduces Post-Operative Infection
2LT Thomas W Wilkins, BS, West Virginia University
- 7:20 am-7:24 am 109 - Predicting Pilon Complications: Blame the Injury Not the Patient
Capt G. Dillon Graham, MD, Atrium Health/OrthoCarolina
- 7:24 am-7:30 am Discussion
- 7:30 am-7:34 am 112 - Low Antibiotic Complications With Novel SSI Prophylaxis Strategy
Rachel Seymour, PhD, Atrium Health Musculoskeletal Institute
- 7:34 am-7:38 am 341 - Efficacy and Safety of Mesenchymal Stem Cell Therapy for Long-Bone Fracture Nonunions: A Systematic Review and Meta-Analysis
Mohamed Anouar Goumri, Université Privée de Marrakech
- 7:38 am-7:42 am 129 - Acellular Fish-Skin Grafting in Orthopedic Trauma: A Case Series
LT Jonathan K. Kallevang, DO, Naval Medical Center Portsmouth
- 7:42 am-7:46 am 31 - Sterile Evaluation of Arthrotomy via Lavage (SEAL): A Novel Closed-Circuit Technique for the Saline Load Test
CPT Michael K. Deegan, MD, Madigan Army Medical Center
- 7:46 am-7:50 am 11 - Delayed Fixation of a Subtrochanteric Femur Fracture During a Naval Humanitarian Mission
LT Reinaldo E. Colon-Morillo, MD, Naval Medical Center San Diego

7:50 am-7:54 am 308 - Laser-Assisted Indocyanine Green Angiography in Traumatic Lower Extremity Amputation
CPT Sarah A Walsh, MD, PhD, USU-Walter Reed Department of Surgery
**Presented by Kelsey Healy MD*

7:54 am-8:00 am Discussion

Rapid Fire Session 3B – Pharmacology & Metabolic Health in Orthopaedics

7:00 am-7:04 am 159 - Effects of Intraoperative Intravenous Ketorolac Use in Total Shoulder Arthroplasty
Tristan J. Elias, MD, UTMB

7:04 am-7:08 am 200 - Menopausal Shoulder Symptoms and Hormone Therapy: A Cross Sectional Survey of 13,946 Women
LT Lindsey G. Droz, DO, MBA, Duke University

7:08 am-7:12 am 102 - The Impact of Intraoperative Ketorolac on Postoperative Complications Following Distal Radius ORIF: A Propensity-Matched Analysis
Katherine S Ferry, MD, University of Texas Medical Branch

7:12 am-7:16 am 21 - Opioid Prescribing and Consumption After Arthroscopic Rotator Cuff Surgery
ENS Hannah M. Wright, MD, Naval Medical Center San Diego

7:16 am-7:20 am 265 - Suzetrigine Following TKA is Associated with Reduced Postoperative Opioid Use
Verdinand C. B. Ruelos, MD, University of Texas Medical Branch

7:20 am-7:24 am 162 - Patient Adherence to VTE prophylaxis following Major Extremity Trauma (PAVEMENT) Trial
Sai K. Reddy, BS, University of Chicago Pritzker School of Medicine

7:24 am-7:30 am Discussion

7:30 am-7:34 am 336 - Glucagon-Like Peptide-1 Receptor Agonist Use and Operative Hip Fracture Outcomes
Joshua Lui, BBA, University of Texas Medical Branch

7:34 am-7:38 am 105 - Estrogen Therapy and Thrombosis Risk After Femoral Neck Fracture
LT Eric M. Cal, MD, University of Texas Health Sciences San Antonio
**Presented by Katerina Papanikolaou, MD*

7:38 am-7:42 am 28 - Opioid Prescribing and Consumption After ACL Reconstruction in Military Patients
LT Harrison Diaz, MD, Naval Medical Center San Diego

- 7:42 am-7:46 am 23 - Opioid Prescribing and Consumption After Arthroscopic Capsulolabral Repair
LT Thomas Michael Johnstone, MD, Naval Medical Center San Diego
- 7:46 am-7:50 am 179 - Perioperative Glucagon-Like Peptide-1 Receptor Agonist Use and Postoperative Outcomes Following Common Elective Hand Procedures
CAPT Manuela Gaviria, MS, MD, Brooke Army Medical Center
- 7:50 am-7:54 am 187 - Prolonged Postoperative Opioid Use in Veterans: Risks and Prevention
2nd Lieutenant Dipesh Patel, BS, Thomas F. Frist. Jr. College of Medicine
- 7:54 am-8:00 am Discussion

Rapid Fire Session 3C – Shoulder Arthroplasty & Elbow

- 7:00 am-7:04 am 280 - Similar Outcomes Across Tear Sizes Following Single-Row and Double-Row Arthroscopic Rotator Cuff Repair
2D LT Sebastian Verrier Paz, BS, Florida International University
- 7:04 am-7:08 am 290 - Identification of Engagement Patterns and Thresholds in Posterior Bipolar Lesions
Cameron J Arnet, BS, Steadman and Philippon Research Institute
- 7:08 am-7:12 am 264 - Miles to Stability: Travel-Burden and Regional Variation in ADSM Shoulder Stabilizations
Veronika Pav, DrPh(c), Kennell and Associates, Inc.
- 7:12 am-7:16 am 107 - Inflammatory Arthropathies Increase Complications After Shoulder Arthroplasty
Coltin R. Gerhart, MD, UT Health - San Antonio
- 7:16 am-7:20 am 143 - Autologous Biceps “Smash” Grafts for Subscapularis Repair Augmentation Post-Anatomic TSA
Calvin Nguyen, BS, Mayo Clinic Arizona
- 7:20 am-7:24 am 206 - Acromial Fracture Regions Have Different CT-Based Bone Density
Michael C Marinier, MD, University of Iowa
- 7:24 am-7:30 am Discussion
- 7:30 am-7:34 am 190 - Bilateral Snapping Triceps Syndrome Following Operative Treatment
Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center
- 7:34 am-7:38 am 36 - Shoulder Arthroplasty Complications in a Matched Retinoblastoma Survivor Cohort
Jeremy Somerson, MD, University of Texas Medical Branch at Galveston

7:38 am-7:42 am	50 - Risk of PIN Injury with Transosseous Radial Tuberosity Drilling <i>CPT Wyatt A.R. Smith, MD, MPH, Brooke Army Medical Center</i>
7:42 am-7:46 am	119 - Autologous Orthobiologic Injections for Glenohumeral Osteoarthritis: A Systematic Review <i>Kaitlyn Hohl, BA, Mayo Clinic Alix School of Medicine</i>
7:46 am-7:50 am	313 - National Trends in Complications Following Revision versus Primary Shoulder Arthroplasty <i>ENS Zachary L. Morcos, BS, Nova Southeastern University Dr. Kiran C. Patel College of Osteopathic Medicine</i>
7:50 am-7:54 am	320 - Trends in Shoulder Arthroplasty Utilization and Time-to-Surgery <i>CPT Brandon M. Barbery, DO, Eisenhower Army Medical Center</i>
7:54 am-8:00 am	Discussion

Rapid Fire Session 3D – Prediction, AI & Digital Health

7:00 am-7:04 am	128 - Examining Apple Health Data following Transfemoral Osseointegration <i>Kara Churovich, MPH, Henry M. Jackson Foundation</i>
7:04 am-7:08 am	253 - Continuous PJI Risk Algorithm Integrating Frailty and Surgical Complexity <i>Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA</i>
7:08 am-7:12 am	283 - Wearable Monitoring in Orthopedic Surgery Residents: A Program-Wide Pilot Study <i>Capt Andrew D. Maeso, DO, Grandview - Kettering Health Orthopedic Surgery Residency Program</i>
7:12 am-7:16 am	91 - The Impact of Videogaming on Arthroscopic Skills: A Feasibility Study <i>Gyan Narayan, BS, John Sealy School of Medicine</i>
7:16 am-7:20 am	338 - Evaluating YouTube Content on Peptide Therapy for Shoulder Pathology <i>Krish Patel, BS, University of Texas Medical Branch</i>
7:20 am-7:24 am	352 - Orthopedic Surgeons' Perceptions of Artificial Intelligence in Education <i>LT Heather L MacEwen, MD, Naval Medical Center San Diego</i>
7:24 am-7:30 am	Discussion
7:30 am-7:34 am	252 - AI-Assisted Fracture Detection Reduces Adult Ambulatory ED Length of Stay <i>Brandon H. Chung, DO, William Beaumont Army Medical Center</i>

- 7:34 am-7:38 am 330 - A Game Theory-Based Analysis of a Hip Fracture Prediction Model
CPT Benjamin A. Nelson, MD, Walter Reed National Military Medical Center
- 7:38 am-7:42 am 331 - Automated Ultrasound Measurement of Meniscal Extrusion Using Convolutional Neural Networks
LT (Ret.) Taylor K Calibo, MS, Steadman and Philippon Research Institute
- 7:42 am-7:46 am 201 - Machine Learning Calculator for 1-Year Mortality Risk in Arthroplasty
Petty Officer First Class Casey D Abernethy, BS, University of California - Los Angeles
- 7:46 am-7:50 am 353 - Evaluating Content of Orthopedic Surgery Residency Websites
CPT Nathan D Kappler, DO, William Beaumont Army Medical Center
- 7:50 am-7:54 am 210 - Predictors of Surgical Timing in MLKI: Impact of Injury Severity
Alexander B. White, MD, Atrium Health Carolinas Medical Center
**Presented by Capt G. Dillon Graham, MD*
- 7:54 am-8:00 am Discussion

Rapid Fire Session 3E – Practice, Education & Perioperative Care

- 7:00 am-7:04 am 243 - Anatomic Heterogeneity in the Prognostic Value of Tumor Size Among Axial Chondrosarcomas
Sumin Jeong, BS, David Geffen School of Medicine at UCLA
- 7:04 am-7:08 am 44 - Perioperative Nutritional Supplementation Improves Functional Recovery Following Orthopaedic Surgery
Coltin R. Gerhart, MD, UT Health - San Antonio
- 7:08 am-7:12 am 319 - Radiation Safety in Orthopedic Surgery: Insights into Training Gaps and Protective Practice Trends
Lisa K. Cannada, MD, Novant Health
- 7:12 am-7:16 am 52 - Pregnancy in Orthopedic Surgery Residency
CPT Rebecca McAllister, MD, Tripler Army Medical Center
- 7:16 am-7:20 am 175 - Optimizing Perioperative Nutritional Strategies in Athletes
Luke M. Martin, BSC, Ohio State University Wexner
- 7:20 am-7:24 am 46 - Adaptive Ergonomics Curriculum for Military Orthopaedic Readiness
LT Andrew J. Rosso, MD, Naval Medical Center San Diego
- 7:24 am-7:30 am Discussion
- 7:30 am-7:34 am 45 - Orthopaedic Intern Curriculum for the Military Medical Officer and Surgeon

2LT Jacob J Avilla, BS, Uniformed Services University

- 7:34 am-7:38 am 249 - Reassurance Phrasing for Injection Anxiety: A Survey Study
CPT Joshua Boring, MD, William Beaumont Army Medical Center
- 7:38 am-7:42 am 324 - Pre- and Peri-Operative Nutrition Optimization in Athletes
Undergoing Sports Surgery
CPT Megan E. Barney, MS, MD, Brooke Army Medical Center
- 7:42 am-7:46 am 254 - A Review and Case Report of Atraumatic, Infectious Compartment
Syndrome
CPT John A. Wahl, MD, MS, Tripler Army Medical Center
- 7:46 am-7:50 am 188 - Regional Disparities in Spinal Infection Mortality: A Comparative
Analysis
*CPT John A. Sbarbaro, DO, MPH, William Beaumont Army Medical
Center*
- 7:50 am-7:54 am 132 - Beyond the OR: How to Crush Clinic in Orthopaedics
LT Samuel W. Todd, MD, Naval Medical Center Portsmouth

7:54 am-8:00 am Discussion

8:00 am-2:00 pm **Combat Orthopaedic Trauma Surgery + Course (Session Full)**

Concurrent Symposium 5A – Oncology

- 8:05 am-8:20 am Title TBD
Thomas J. Scharschmidt, MD, Nationwide Children's Hospital
- 8:20 am-8:35 am Title TBD
Thomas J. Utset-Ward, MD, Nicklaus Children's Health
- 8:35 am-8:40 am Discussion

Concurrent Symposium 5B – Spine

- 8:05 am-8:20 am Title TBD
Christopher K. Kepler, MD, MBA, Rothman Orthopaedic Institute
- 8:20 am-8:35 am Title TBD
Melvin H. Helgeson, MD, Mayo Clinic
- 8:35 am-8:40 am Discussion

Concurrent Session 5A – Oncology

Moderator: Thomas J. Scharschmidt, MD, Nationwide Children's Hospital
Thomas J. Utset-Ward, MD, Nicklaus Children's Health

- 8:40 am-8:46 am 154 - Pre-Cancer Bone Mineral Density Predicts Breast Cancer Bone Metastasis Risk
Capt Abby Viglione, MD, University of California, Davis
- 8:46 am-8:52 am 245 - County-Level PCB Burden Associates With Ewing Sarcoma Incidence After Prohibition
Timothy S. Ko, BS, David Geffen School of Medicine
- 8:52 am-8:58 am 300 - Vasomotor Symptoms Are Associated With Increased Joint Pain and Worse Physical Function in Perimenopausal Women: A Cross-Sectional Survey Study
LT Lindsey G. Droz, DO, MBA, Duke University
- 8:58 am-9:04 am 152 - Enhancing Bone Regeneration via Dual Modulation of Osteogenesis and Osteoclastogenesis
CDR Daniel C. Allison, MD, MBA, Cedars-Sinai Medical Center
- 9:04 am-9:10 am Discussion
- 9:10 am-9:16 am 228 - Determinants of Primary Amputation in Extremity Sarcomas
Alexandra Richards, MD, University of California, Los Angeles
- 9:16 am-9:22 am 35 - Hip Fracture Incidence in a Matched Cohort of Retinoblastoma Survivors
Jeremy Somerson, MD, University of Texas Medical Branch at Galveston
- 9:22 am-9:28 am 226 - Photodynamic Bone Stabilization in Conjunction with Total Hip Arthroplasty: A Systematic Review
CPT Emmanuel G Cuevas, MS, William Beaumont Army Medical Center
- 9:28 am-9:34 am 125 - A Case of Cerebral FES During Bilateral Prophylactic Nails
CPT John A. Wahl, MD, MS, Tripler Army Medical Center
- 9:34 am-9:40 am Discussion

Concurrent Session 5B – Spine

Moderator: Melvin H. Helgeson, MD, *Mayo Clinic*
 Christopher K. Kepler, MD, MBA, *Rothman Orthopaedic Institute*

- 8:40 am-8:46 am 62 - RhBMP-2 in TLIF: Results from a Prospective, Randomized IDE Trial
COL (Ret) David W. Polly, MD, University of Minnesota
- 8:46 am-8:52 am 209 - Implementation of a Suzetrigine-Based Multimodal Analgesic Protocol in Spine Surgery
Capt Allison Williams, MD, Rothman at AdventHealth Florida
- 8:52 am-8:58 am 216 - The Impact of Body Mass Index on Early Readmission and Reoperation Following Endoscopic vs. Open Lumbar Surgery

CPT Usama A. Aljameey, DO, Walter Reed National Military Medical Center

8:58 am-9:04 am 344 - TRT Is Associated with Increased Nonunion but Reduced Mortality Following Lumbar Fusion
Damon Ross, BS, Henry Ford Health

9:04 am-9:10 am Discussion

9:10 am-9:16 am 156 - Dual Fluoroscopy Techniques Improve Operative Efficiency During Percutaneous Pelvic Fixation
CPT Alex M. Bouterse, MD, Tripler Army Medical Center

9:16 am-9:22 am 27 - Deployable System for Forward Spine Stabilization in Austere Environments
MAJ Rafael Garcia-Cañas, MD, PhD, Spanish Ministry of Defence

9:22 am-9:28 am 303 - Comparing Clinical Outcomes Between Open Versus Percutaneous Approach for Spinopelvic Dissociation
Capt Blake H. Cohoe, MD, Tripler Army Medical Center

9:28 am-9:34 am 345 - Lumbopelvic Fixation with and without Trans-Sacral Fixation for Sacral U-Type Fractures: A Biomechanical Study
LT Matthew M. O'Hara, MD, Walter Reed National Military Medical Center

9:34 am-9:40 am Discussion

Concurrent Panel Discussion 5A – Oncology

9:45 am-10:05 am Panel Discussion

Panel: *Thomas J. Scharschmidt, MD, Nationwide Children's Hospital*
Thomas J. Utset-Ward, MD, Nicklaus Children's Health

Concurrent Panel Discussion 5B – Spine

9:45 am-10:05 am Panel Discussion

Panel: *Melvin H. Helgeson, MD, Mayo Clinic*
Christopher K. Kepler, MD, MBA, Rothman Orthopaedic Institute

10:05 am-10:20 am Refreshment Break

Symposium 6 – Hip Preservation

10:20 am-10:40 am Title TBD
LCDR Vanna Rocchi, DO, Naval Medical Center Portsmouth

10:40 am-10:45 am Discussion

General Session 6 – Hip Preservation

Moderator: LCDR Vanna Rocchi, DO, *Naval Medical Center Portsmouth*

- 10:45 am-10:51 am 98 - Late Residual Acetabular Dysplasia Following Successful Pavlik Harness Treatment
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton
- 10:51 am-10:57 am 297 - Return to Duty after PAO in an Active Duty Military Population
Garrett B. Neel, Medical University of South Carolina College of Medicine
- 10:57 am-11:03 am 347 - Pain-Related Psychological Distress Phenotypes in Patients Undergoing Hip Arthroscopy for Femoracetabular Impingement
CDR Brian T. Barlow, MD, Naval Hospital Rota
- 11:03 am-11:09 am 18 - Frozen Hip: Clinical Characteristics, Treatment Outcomes, and Recovery Timeline
LT Thomas Michael Johnstone, MD, Naval Medical Center San Diego
- 11:09 am-11:15 am 169 - Hip Length Discrepancy differs from Limb Length Discrepancy: 3D-CT Analysis
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center

Panel Discussion 6 - Hip Preservation

- 11:15 am-11:35 am Panel Discussion
Panel: *LCDR Vanna Rocchi, DO, Naval Medical Center Portsmouth*
- 12:00 pm -1:00 pm **Board of Directors Meeting**

2026 SOMOS E-Poster Presentations

Adult Reconstruction

10 - Antibiotic Suppression After Two-Stage Exchange Arthroplasty Reduces Treatment Failure
Capt G. Dillon Graham, MD, Atrium Health/OrthoCarolina

262 - PROMs Capture and Substantial Clinical Benefit Following Arthroplasty
CPT Ian P. Marshall, MD, Walter Reed National Military Medical Center

242 - SGLT2 Inhibitors and 90-Day Complication Risk After Diabetic TJA
Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA

279 - Lower Early Improvement in Patient Reported Outcome Measures in Cementless vs. Cemented TKA
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center

Basic Science

60 - Does Rod Contour Affect Segmental Lumbar Lordosis?
COL (Ret) David W. Polly, MD, University of Minnesota

Foot & Ankle

150 - Hand Positioning Impacts Sensitivity of the External Rotation Stress Test
CPT Mariah Arave, MD, Brooke Army Medical Center

104 - Increased Risk of Revision Achilles Tendon Repair with Testosterone Therapy
LT Eric M. Cal, MD, University of Texas Health Sciences San Antonio
**Presented by Jordan Robbins, MD*

106 - Mental Health Diagnoses Increase Emergency Department Visits After Achilles Repair
LT Eric M. Cal, MD, University of Texas Health Sciences San Antonio
**Presented by Jordan Robbins, MD*

Hand & Wrist

177 - Place of Service Has Not Changed for Local Hand Surgery Cases
Kyle Griffith, University of Southern California (avg 5.67; presenter currently has 1 talk)

115 - Multiplanar Suture Tape Reconstruction for Scapholunate Insufficiency: A Technical Note
Andrew Rosso, Naval Medical Center San Diego (avg 5.67; presenter currently has 2 talks)

12 - Decisional Regret after Salvage of Dysvascular Digit Injuries
ENS Sresth Viswanathan, BS, Georgetown University School of Medicine

230 - Material-Specific Amputation Risk Following Upper Extremity High-Pressure Injection Injuries
LT Kyle P. Wieschhaus, MD, Naval Medical Center Portsmouth

Pediatrics

96 - Outcomes of Periacetabular Osteotomy in Down Syndrome Associated Hip Dysplasia
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton

97 - Pulmonary Function Following Growth Friendly Treatment of Early Onset Scoliosis
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton

284 - Femoral Junction Over-Resection Causes Labral Deflection: Ultrasound Study
LCDR Jamie Frost, BS, MS, Steadman and Philippon Research Institute

304 - Biomechanical Evaluation of Femoral Strength Following Varus Derotational Osteotomy with One-Cut vs. Two-Cut Proximal Plating Techniques
LT Melissa Odoemene, MD, Naval Medical Center Portsmouth

Other

149 - Functional Gait Recovery in PEG-Fused Porcine Nerve Injury
CPT Mariah Arave, MD, Brooke Army Medical Center

Practice Management/Education

250 - Impact of Short-Term Affect on Attitudes towards Advanced Care Planning
CPT Nathan D Kappler, DO, William Beaumont Army Medical Center

196 - Orthopedic Hardware Ownership After Explantation: A legal analysis
Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center

Shoulder & Elbow

9 - Age Is Not a Contraindication: Outcomes of Distal Biceps Tendon Repair in Elderly Patients
G. Dillon Graham, Atrium Health/OrthoCarolina

314 - How Accurate Is Preoperative Planning in Predicting Postoperative Function?
ENS Zachary L. Morcos, BS, Nova Southeastern University Dr. Kiran C. Patel College of Osteopathic Medicine

267 - Shoulder Instability Epidemiology and Risk Factors Among ADSMs, FY2016–2022
Veronika Pav, DrPh(c), Kennell and Associates, Inc.

56 - Outcomes After Glenoid Augmentation Procedures for Adolescent Anterior Shoulder Instability
CPT James A Pruneski, MD, Tripler Army Medical Center

224 - Long-Term Clinical Outcomes and Efficacy following Arthroscopic Rotator Cuff Repair with Bioenthesi Biphase Interpositional Allograft
LT Valentina Ramirez, MD, Walter Reed National Military Medical Center

69 - Rotator Cuff Repair Predicts Future Cardiovascular Disease
Joshua Wang, MS, University of Texas Medical Branch

Spine

7 - No Difference in Outcomes Between Titanium, Autograft, Allograft, and PEEK Interbody Constructs in Anterior Cervical Discectomy and Fusion: A Systematic Review and Meta-analysis

2LT Ethan C Gazan, MS, Liberty University College of Osteopathic Medicine

325 - Comparative Analysis of Spinopelvic Fixation Failure in Adult Spinal Deformity
COL (Ret) David W. Polly, MD, University of Minnesota

66 - Sacral Alar Iliac Screws: Freehand versus Navigation
COL (Ret) David W. Polly, MD, University of Minnesota

346 - Testosterone Replacement Therapy and Postoperative Outcomes Following Cervical Spine Fusion

Damon Ross, BS, Henry Ford Health

203 - Spinal Injury Patterns Following Falls from Height in Adults: A Scoping Review
CPT John A. Sbarbaro, DO, MPH, William Beaumont Army Medical Center

Sports Injuries

289 - A Biomechanical Comparison of Gluteus Medius Repair With and Without Iliotibial Band Augmentation

Cameron J Arnet, BS, Steadman Philippon Research Institute

258 - Meniscus Posterior Horn Morphology Does Not Affect ACL Integrity

Justin J. Ernat, MD, University of Utah Health

**Presented by Parker Boyce*

100 - Compensatory Hip Muscle Changes after Quadriceps ACL Reconstructions: 2-Year Follow Up

Justin J. Ernat, MD, University of Utah Health

**Presented by Parker Boyce*

286 - A Biomechanical Comparison of Suture Configurations for Proximal Hamstring Tendon Repair

LCDR Jamie Frost, BS, MS, Steadman and Philippon Research Institute

8 - The Anterior Cruciate Ligament Injury Severity Scale (ACLISS) as a Predictor of Short-Term Reoperation and Functional Outcomes After ACL Reconstruction

G. Dillon Graham, Atrium Health/OrthoCarolina

54 - Slope-Reducing Osteotomy With Primary ACLR Is Cost-Effective with Elevated PTS

CPT James A Pruneski, MD, Tripler Army Medical Center

Trauma

199 - Radiographic Predictors of Residual Malalignment Following Humeral Intramedullary Nailing

LT Lindsey G. Droz, DO, MBA, Duke University

312 - Obesity Predicts Long-Term Pain after IMN of Lower Extremity Fracture

Damon Ross, BS, Henry Ford Health

40 - Antibiotic Nails Outperform DAIR: Preventing Recurrent Tibial Shaft Fracture Infection

LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center

Tumor

237 - RNA-Protein Discordance in Sarcoma Reveals Vulnerabilities Missed by Transcriptomic Profiling

Sumin Jeong, BS, David Geffen School of Medicine at UCLA

235 - Metastatic Bone Disease Increases Periprosthetic Fracture Risk After TJA

Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA

War Trauma/Military Medicine

83 - Fluid Retention in TPE Versus Foam NPWT Dressings

Michael S. Shuler, MD, Athens Orthopedic Clinic