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 – 10th 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
Grand Ballroom Salons F-J
Vail, CO

Monday, December 7

7:00 am-4:00 pm **MAST Pre-Course Didactic – Knee** *(Mountain View)*
**CME Credit not available*
(Invitation Only)

7:00 am-4:00 pm **MAST Pre-Course Lab – Knee** *(Colorado Ballroom Salon 1)*
**CME Credit not available*
(Invitation Only)

2:00 pm-6:00 pm **Spine Lab** *(Colorado Ballroom Salon 2)*

12:00 pm-5:00 pm **Exhibit Setup** *(Grand Ballroom Salons A-E & Foyer)*

12:00 pm-5:00 pm **Meeting Registration** *(Grand Ballroom Foyer)*

12:00 pm-8:00 pm **Speaker Ready Room** *(Blue Sky)*

Tuesday, December 8

6:00 am-8:00 pm **Speaker Ready Room** *(Blue Sky)*

6:30 am-11:15 am **Technical Exhibits, Coffee Breaks and Daily Drawing** *(Grand Ballroom Salons A-E & Foyer)*

6:30 am-11:15 am **Meeting Registration** *(Grand Ballroom Foyer)*

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 Welcome and Announcements

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
Moderator: LTC Michael A. Donohue, MD, *John A Feagin Jr. Sports Medicine Fellowship, West Point*

MAJ Patrick K. Mescher, MD, MBA, *Alexander T. Augusta Military Medical Center*

7:25 am-7:50 am Glenoid and Humeral Bone Loss: How to Handle in 2026
CAPT Matthew T. Provencher, MD, MBA, The Steadman Clinic

7:50 am-8:15 am Lessons from the Sidelines to the Frontlines
Robin West, MD, Inova Medical Group

8:15 am-8:25 am Discussion

Concurrent Symposium 1B – Lower Extremity Arthroplasty *(Colorado Ballroom Salon 2)*
Moderator: CDR Brian T. Barlow, MD*, Naval Hospital Rota*
MAJ Sean E. Slaven, MD, *Walter Reed National Military Medical Center*

7:25 am-7:50 am Revision THA - The When, Why and How of the Direct Anterior Approach
J. Bohannon (Bo) Mason, MD, OrthoCarolina

7:50 am-8:15 am Manual, Calipered Kinematic Alignment in Total Knee Arthroplasty The New Gold Standard?
Robert A. Sershon, MD, Anderson Orthopaedic Clinic

8:15 am-8:25 am Discussion

8:25 am-8:45 am Break with Exhibitors (Grand Ballroom Salons A-E & Foyer)

Concurrent Session 1A – Sports Shoulder & Elbow
Moderator: Matthew T. Provencher, MD, MBA*, The Steadman Clinic*
Robin West, MD, *Inova Medical Group*
LTC Michael A. Donohue, MD, *John A Feagin Jr. Sports Medicine Fellowship, West Point*
MAJ Patrick K. Mescher, MD, MBA, *Alexander T. Augusta Military Medical Center*

8:50 am-8:56 am 224 - Long-Term Clinical Outcomes and Efficacy following Arthroscopic Rotator Cuff Repair with Bioenthesis Biphasic Interpositional Allograft
LT Valentina Ramirez, MD, Walter Reed National Military Medical Center

8:56 am-9:02 am 9 - Age Is Not a Contraindication: Outcomes of Distal Biceps Tendon Repair in Elderly Patients
G. Dillon Graham, Atrium Health/OrthoCarolina

9:02 am-9:08 am 56 - Outcomes After Glenoid Augmentation Procedures for Adolescent Anterior Shoulder Instability
CPT James A Pruneski, MD, Tripler Army Medical Center

9:08 am-9:14 am 131 - Autograft Glenoid Reconstruction in a Bilateral Shoulder Ovine Model

Cory Call, University of Iowa

9:14 am-9:20 am Discussion

9:20 am-9:26 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

9:26 am-9:32 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
**Presented by LT Marissa Dearden, MD*

9:32 am-9:38 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

9:38 am-9:44 am 47 - Proteomics of Synovial Fluid in Rotator Cuff Tears and CTA
Read A. Streller, University of Iowa

9:44 am-9:50 am Discussion

Concurrent Session 1B – Lower Extremity Arthroplasty *(Colorado Ballroom Salon 2)*
Moderator: J. Bohannon (Bo) Mason, MD*, OrthoCarolina*
Robert A. Sershon, MD*, Anderson Orthopaedic Clinic*
CDR Brian T. Barlow, MD*, Naval Hospital Rota*
Sean E. Slaven, MD, *Walter Reed National Military Medical Center*

8:50 am-8:56 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

8:56 am-9:02 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

9:02 am-9:08 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
**Presented by CPT Alex M. Bouterse, MD*

9:08 am-9:14 am 170 - Routine MUA of the First Knee in Staged Bilateral-TKA
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center

9:14 am-9:20 am Discussion

9:20 am-9:26 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

9:26 am-9:32 am 223 - JAK Inhibitors, MACE, and VTE Risk After Joint Arthroplasty
Alexander H. King, MD, University of California, Los Angeles

9:32 am-9:38 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

9:38 am-9:44 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

9:44 am-9:50 am Discussion

9:50 am-10:15 am Break with Exhibitors (Grand Ballroom Salons A-E & Foyer)

Special Session 1: Sports Psychology
Moderator: James Naples, MD, *Harvard University*

10:15 am-10:40 am Healthcare Moneyball: Redefining Value in Surgery
James Naples, MD, Harvard University

10:40 am-11:05 am Attention and the Arc of Surgical Performance
Steve DeWiggins, CMPC, *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-2:30 pm **Program Directors Meeting/Training** (Invitation Only) *(Lodgepole Boardroom)*

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

4:30 pm-5:30 pm **Meeting Registration** *(Grand Ballroom Foyer)*

Rapid Fire Session 1A – Lower Extremity, Foot & Ankle *(Sun Up)*
Moderator: CDR Theodora Dworak, MD, *Walter Reed National Military Medical Center*
William T. Obremskey, MD, MPH, MMHC, *Vanderbilt University Medical Center*

CDR Christopher H. Renninger, MD*, Walter Reed National Military Medical Center*

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-4:50 pm	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*
4:50 pm-4:58 pm	Discussion
4:50 pm-5:02 pm	310 - Outcomes of Flexible Fixation for Lisfranc Injuries in Military Personnel *LT David A Cieremans, DO, MS, Rutgers Health*
5:2 pm-5:06 pm	351 - Gender Based Outcomes with Broström Repair and Internal Brace *Rachel D Dreher, PhD, Ohio State University*
5:06 pm-5:10 pm	118 - Comparing Fixation Strategies for Distal Fibular Fractures: A Systematic Review *Anderson Lee, MD, Wright State University* **Presented by Peter Bradbury*
5:10 pm-5:14 pm	165 - Early vs. Delayed Weight-Bearing After Weber B ORIF *CPT Melissa A Jenks, MPAS, PA-C, Brooke Army Medical Center*
5:14 pm-5:18 pm	176 - Secondary Subtalar Arthrodesis after Calcaneus Fracture Compared with Primary Arthrodesis *Capt Arsh N. Patel, DO, Brooke Army Medical Center*
5:18 pm-5:22 pm	305 - Second Metatarsal Head Reconstruction With Talar Osteochondral Allograft for Freiberg's Disease *LT Aimee Steen, DO, Naval Medical Center San Diego*
5:22 pm-5:30 pm	Discussion

Rapid Fire Session 1B – Shoulder Instability in the Military *(Berry Picker)*
Moderator: Mikalyn T. DeFoor, MD, *Brooke Army Medical Center*
LCDR Robert M. Putko, MD, *Department of Defense*

4:30 pm-4:34 pm	271 - Surgeon Volume and Primary Bankart Repair Failure, ADSMs FY2010–2025 *Veronika Pav, DrPh, Kennell and Associates, Inc.* **Presented by LT Conor F. McCarthy, MD*
4:34 pm-4:38 pm	267 - Shoulder Instability Epidemiology and Risk Factors Among ADSMs, FY2016–2022 *Veronika Pav, DrPh(c), Kennell and Associates, Inc.* **Presented by LT Conor F. McCarthy, MD*
4:38 pm-4:42 pm	327 - Atraumatic Scapular Winging, a Systematic Review *CPT Raymond V. Spaulding, MD, Madigan Army Medical Center*
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* **Presented by LTC Michael A. Donohue, MD*
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 *CPT Zachary A Blashinsky, MD, Tripler Army Medical Center* **Presented by CPT Alex M. Bouterse, MD*
5:04 pm-5:08 pm	85 - Instability DIrection Does not Affect Complex Glenoid Labrum Tears Outcomes *Justin J. Ernat, MD, University of Utah Health* **Presented by Parker Boyce*
5:08 pm-5:12 pm	151 - Rotating-Hinge Revision Total Knee Arthroplasty for Arthrofibrosis Improves Motion *Verdinand C. B. Ruelos, MD, University of Texas Medical Branch*
5:12 pm-5:16 pm	69 - Rotator Cuff Repair Predicts Future Cardiovascular Disease *Joshua Wang, MS, University of Texas Medical Branch* **Presented by Keenan Horani, MD*

5:16 pm-5:20 pm 299 - Irreducible Glenohumeral Dislocation *Madigan Army Medical Center*: A Case Report
CPT Matthew W. Feldman, MD, Madigan Army Medical Center

5:20 pm-5:24 pm 64 - Radiographic Muscle Contour as a Predictor of Biceps Tendon Ruptures
LCDR John Metz, MD, Naval Medical Center Portsmouth

5:24 pm-5:30 pm Discussion

Rapid Fire Session 1C – Knee: ACL, Meniscus & Cartilage *(Colorado Ballroom Salon 1)*
Moderator: MAJ Daniel J. Cognetti, MD, *Brooke Army Medical Center*
MAJ Patrick K. Mescher, MD, MBA, *Alexander T. Augusta Military Medical Center*

4:30 pm-4:34 pm 55 - Video Analysis of ACL Injuries in Professional MMA Fighters
CPT James A Pruneski, MD, Tripler Army Medical Center

4:34 pm-4:38 pm 266 - ACL Reconstruction Trends: A 2020–2025 Comparative Analysis
CPT Sean A. Kshir, BS, Brooke Army Medical Center

4:38 pm-4:42 pm 269 - Surgeon Continuity in Revision ACL Reconstruction: A Retrospective Cohort Analysis
Capt Lily Swope, MD, Brooke Army Medical Center

4:42 pm-4:46 pm 292 - Demographics and Incidence of Periacetabular Osteotomy Performed Within the Military
Garrett B. Neel, Medical University of South Carolina College of Medicine

4:46 pm-4:40 pm 70 - Treatment Patterns in Patellar Tendon Tears Accompanying Multiligament Knee Injuries
Joshua Wang, University of Texas Medical Branch
**Presented by Keenan Horani, MD*

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
**Presented by LTC Michael A. Donohue, MD*

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 *(Colorado Ballroom Salon 2)*
Moderator: CDR Alanna B. Balboni, MD, *Naval Medical Center San Diego*

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 - Leaded 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 *(Sun Down)*
Moderator: LTC James B. Deal Jr., MD, *Madigan Army Medical Center*

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

6:00 am-8:00 pm **Speaker Ready Room** *(Blue Sky)*

6:30 am-11:45 am **Technical Exhibits, Coffee Breaks and Daily Drawing** *(Grand Ballroom Salons A-E & Foyer)*

6:30 am-11:45 am **Meeting Registration** *(Grand Ballroom Foyer)*

6:50 am-7:00 am **AAOS Update**
Wilford K. Gibson, MD, President of American Academy of Orthopaedic Surgeons

Concurrent Symposium 2A – Hand – Jamie Bulken-Hoover Memorial Hand Session
Moderator: LTC Elizabeth M. Polfer, MD, *Walter Reed National Military Medical Center*

7:00 am-7:25 am Distal Radius Nonunions, Malunions, and Fixation Failures: an Algorithmic Approach
Peter M. Murray, MD, Mayo Clinic Florida

7:25 am-7:50 am The Scaphoid (R)evolution
John V. Ingari, MD, Lifebridge Health

7:50 am-7:55 am Discussion

Concurrent Symposium 2B – Sports Knee *(Colorado Ballroom Salon 2)*
Moderator: LTC Michael A. Donohue, MD, *John A Feagin Jr. Sports Medicine Fellowship, West Point*
LCDR Robert M. Putko, MD, *Department of Defense*

7:00 am-7:15 am PRP and Knee Arthritis: BARB, the Orthobiologics Registry, and the Future of Biologic Readiness Optimization
Col (Ret) John M. Tokish, MD, Mayo Clinic

7:15 am-7:30 am Cartilage Restoration in the Military Athlete
Seth L. Sherman, MD, Stanford University

7:30 am-7:55 am Discussion

7:55 am-8:15 am Break with Exhibitors (Grand Ballroom Salons A-E & Foyer)

Concurrent Session 2A – Hand – Jamie Bulken-Hoover Memorial Hand Session *(Mountain View)*
Moderator: John V. Ingari, MD*, Lifebridge Health*
Peter M. Murray, MD*, Mayo Clinic Florida*
LTC Elizabeth M. Polfer, MD, *Walter Reed National Military Medical Center*

8:20 am-8:26 am 72 - Prospective Strength and Performance Outcomes after RPNI for Hand Neuromas
Aviram M. Giladi, MD, MS, Curtis National Hand Center at Union Memorial

8:26 am-8:32 am 12 - Decisional Regret after Salvage of Dysvascular Digit Injuries
ENS Sresth Viswanathan, BS, Georgetown University School of Medicine

8:32 am-8:38 am 145 - PEG Fusion after Median Nerve Injury in Non-Human Primates
CPT Mariah Arave, MD, Brooke Army Medical Center
**Presented by Capt Tori N. Kinamon, MD*

8:38 am-8:44 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

8:44 am-8:50 am Discussion

8:50 am-8:56 am 148 - Soft Tissue Considerations in Middle Phalanx Percutaneous Screw Placement
Capt Cory Husk, MD, Brooke Army Medical Center

8:56 am-9:02 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

9:02 am-9:08 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

9:08 am-9:14 am 259 - Low Nonunion Rate and Return to High Level Activity with Thumb Carpometacarpal Arthrodesis
Victoria Garrard, BA, Walter Reed National Military Medical Center

9:14 am-9:20 am Discussion

Concurrent Session 2B – Sports Knee *(Colorado Ballroom Salon 2)*
Moderator: Seth L. Sherman, MD*, Stanford University*
Col (Ret) John M. Tokish, MD*, Mayo Clinic*
LTC Michael A. Donohue, MD, *John A Feagin Jr. Sports Medicine Fellowship, West Point*
LCDR Robert M. Putko, MD, *Department of Defense*

8:20 am-8:26 am 334 - BFR Does Not Improve Quadriceps Strength After QT ACLR: A Randomized Trial
MAJ Daniel J. Cognetti, MD, Brooke Army Medical Center

8:26 am-8:32 am 57 - Short Term PROs After ACLR With and Without LET
CPT James A Pruneski, MD, Tripler Army Medical Center

8:32 am-8:38 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
**Presented by Kashif Javid, MD*

8:38 am-8:44 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

8:44 am-8:50 am 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

8:50 am-8:56 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*

8:56 am-9:02 am 229 - Comparing Patient Profiles and Meniscus Tear Patterns: A Cluster Study
CPT Santita Ebangwese, MD, MS, Duke University

9:02 am-9:08 am 298 - Performance Monitoring and Injury Risk: Predicting Hamstring Injuries in Division I Football Players
CAPT Robert A. Waltz, MD, United States Naval Academy

9:08 am-9:14 am 174 - PT Utilization Following ACLR With LET and Meniscal Repair
Alexander B. White, MD, Atrium Health Carolinas Medical Center

9:14 am-9:20 am Discussion

9:25 am- 9:40 am **Business Meeting**
CDR Jennifer L. Smith, MD, Naval Medical Center, San Diego
**CME Credit 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*
Additional Panelists TBD

10:20 am-10:45 am Break with Exhibitors (Grand Ballroom Salons A-E & Foyer)

Special Session 3 – Peptides and Supplements: Latest and Greatest
Moderator: CAPT Kevin Bernstein, MD, MMS, CAQ-SM, FAAFP, *Force Human Performance Director, Naval Air Force Atlantic; Navy Sports Medicine Specialty Leader*

10:45 am-11:00 am An Overview of "Novel Peptides", Proposed Uses and Current Available Evidence
CAPT Kevin Bernstein, MD, MMS, CAQ-SM, FAAFP, *Force Human Performance Director, Naval Air Force Atlantic; Navy Sports Medicine Specialty Leader*

11:00 am-11:15 am Selected Molecular Measures Associated with Injury, Recovery, and Repair
Michael A. Schmidt, PhD, FAsMA, Sovaris Aerospace, UCF College of Medicine

11:15 am-11:30 am Supplements: Potency, Purity, Problems, and Potential
Ken Shubin Stein, MD, Cortx Group, LLC

11:30 am-11:45 am Panel Discussion

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

1:00 pm-4:30 pm **Scientific E-Poster Session** *(Sun Down)*
(Presenters will be available to answer questions)

4:30 pm-5:30 pm **Meeting Registration** *(Grand Ballroom Foyer)*

Rapid Fire Session 2A – Trauma II - Hip, Pelvis & Geriatric Fracture Care *(Mountain View)*
Moderator: Maj Phillip T. Grisdela Jr., MD, *Naval Medical Center Camp Lejeune*
Maj Alexander J. Mayers, MD, *University of Nevada, Las Vegas*

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
**Presented by Kashif Javid, MD*

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
**Presented by William Weiss, MD*

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 *(Berry Picker)*
Moderator: CDR Sean McIntire, MD, *San Diego Arthroscopy and Sports Medicine Fellowship*

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
**Presented by Tristan J. Elias, MD*

4:34 pm-4:38 pm 342 - Clinical Outcomes Following Distal Biceps Tendon Repair: A Comparative Analysis of Inlay vs. Onlay Fixation Techniques
LT Valentina Ramirez, MD, Walter Reed National Military Medical Center

4:38 pm-4:42 pm 333 - Biogroove Decortication Reduces Tendon Displacement During Double-Row Rotator Cuff Repair
LT (Ret.) Taylor K Calibo, MS, Steadman and Philippon Research Institute

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
Tristan J. Elias, MD, UTMB

4:46 pm-4:40 pm 68 - Anabolic Steroid Association with Revision Rates Following Rotator Cuff Repair
Joshua Wang, MS, University of Texas Medical Branch
**Presented by Keenan Horani, MD*

4:50 pm-4:54 pm 144 - Using the Forearm to Guide Biceps Tenodesis Trajectory: An Anatomic Study

Capt Raul A. Davalos, MD, Brooke Army Medical Center

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
CPT Joshua Boring, MD, William Beaumont Army Medical Center
**Presented by CPT Emmanuel G Cuevas, MS*

5:04 pm-5:08 pm 90 - Posterolateral Corner Injuries with a Biceps Femoris Tear and Nerve Injury
Justin J. Ernat, MD, University of Utah Health
**Presented by Parker Boyce*

5:08 pm-5:12 pm 315 - Redefining Risk: The Need for Better Malnutrition Screening Before Shoulder
ENS Zachary L. Morcos, BS, Nova Southeastern University Dr. Kiran C. Patel College of Osteopathic Medicine

5:12 pm-5:16 pm 191 - Postoperative Load Restrictions After Reverse Total Shoulder Arthroplasty: Scoping Review
Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center

5:16 pm-5:20 pm 1 - Biomechanical Video Analysis of Shoulder Dislocations in NFL Athletes
CPT Zachary A Blashinsky, MD, Tripler Army Medical Center
**Presented by CPT Alex M. Bouterse, MD*

5:20 pm-5:24 pm 313 - National Trends in Complications Following Revision vs. Primary Shoulder Arthroplasty
ENS Zachary L. Morcos, BS, Nova Southeastern University Dr. Kiran C. Patel College of Osteopathic Medicine

5:24 pm-5:30 pm Discussion

Rapid Fire Session 2C – Hand & Wrist *(Colorado Ballroom Salon 1)*
Moderator: CDR John P. Waggoner, MD, MPH, *Naval Medical Center San Diego*

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

5:08 pm-5:12 pm 287 - Management of Scaphoid Fractures Using Custom-Fit 3D Printed Casts
LT Kristine M. Obletz, 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 Webspace: Infection After Chicken Paracentesis
LT Isabella Penkwitz, MD, Naval Medical Center Portsmouth

5:24 pm-5:30 pm Discussion

Rapid Fire Session 2D – Spine *(Colorado Ballroom Salon 2)*
Moderator: MAJ Donald R. Fredericks, MD, *Walter Reed National Military Medical Center*
LTC Alfred J. Pisano, MD, *Walter Reed National Military Medical Center*

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* **Presented by Rita Roy, MD*
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	325 - Comparative Analysis of Spinopelvic Fixation Failure in Adult Spinal Deformity *COL (Ret) David W. Polly, MD, University of Minnesota*
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* **Presented by Cody Thompson*

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 *(Sun Down)*
Moderator: LT Jonathan C. Savakus, MD, *Camp Pendleton*

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 256 - Development of a Goat Model for Extremity Injury Trauma Training
COL B. Hudson Berrey, University of Florida, Jacksonville

4:54 pm-5:00 pm Discussion

5:00 pm-5:04 pm 343 - Discharge Disposition and Orthopaedic Surgical Completion: Border Wall-Related Trauma
CPT Antonio A. Henry, DO, MSPH, William Beaumont Army Medical Center

5:04 pm-5:08 pm 355 - Rucksack Palsy: Military Brachial Plexopathy and Orthopedic Implications
2Lt Olivia Kimmerle, BS, VCOM-Carolinas

5:08 pm-5:12 pm 153 - Forging Partnerships with Host-Nation Orthopedic Surgeons: A South Korean Case Study
CPT Annie Y Lee, MD, Brooke Army Medical Center

5:12 pm-5:16 pm 294 - Orthopedic Trauma Research in 21st-Century Combat: A Bibliometric Analysis

2LT Sage Post, BS, Texas Tech University Health Sciences School of Medicine

5:16 pm-5:20 pm 89 - Combined Elbow Disarticulation, Humeral Shortening Osteotomy + Modified Saha Acromion Transfer
LT Thomas E Dickerson, MD, Walter Reed National Military Medical Center

5:20 pm-5:24 pm 53 - CKCUEST Administration and Interpretation in Tactical Athlete Rehabilitation: Scoping Review
2LT Raymond B Delray, BS, University of Colorado Anschutz School of Medicine

5:24 pm-5:30 pm Discussion

5:30 pm-6:20 pm **Service Breakouts**
Army *(Colorado Ballroom Salon 2)*
Navy *(Grand Ballrooms Salons F-J)*
Reserves *(Berry Picker)*
**CME Credit not available*

Thursday, December 10 - SOMOS Gear Day

6:00 am-8:00 pm **Speaker Ready Room** *(Blue Sky)*

6:30 am-11:45 am **Meeting Registration** *(Grand Ballroom Foyer)*

Concurrent Symposium 3A – Upper Extremity Trauma
Moderator: MAJ John P. Scanaliato, MD, *William Beaumont Army Medical Center*

7:00 am-7:20 am Battlefield Orthopaedics: Balad, Iraq 2005-2006
John V. Ingari, MD, Lifebridge Health

7:20 am-7:25 am Evaluation and Management of Extensor Tendon Injuries from Fingertip to Forearm?
Aviram (Avi) Giladi, MD, MedStar Union Memorial Hospital

7:25 am-7:30 am Upper Extremity Trauma Presentation TBD
MAJ John P. Scanaliato, MD, William Beaumont Army Medical Center

7:30 am-7:35 am Tips and Tricks for Distal Radius Fractures
CAPT Scott M. Tintle, MD, University of Pennsylvania

7:35 am-7:45 am Discussion

Concurrent Symposium 3B – Foot & Ankle *(Colorado Ballroom Salon 2)*
Moderator: LTC Patrick D. Grimm, MD, *Dwight D. Eisenhower Army Medical Center*
LT Galen W. Sanderson, MD, *Naval Medical Center*
MAJ Paul B. Schroeder, MD, *U.S. Air Force Academy*

7:00 am-7:15 am Post-Traumatic Ankle Arthritis in the Young Patient
COL(Ret) James R. Ficke, MD, Johns Hopkins University

7:15 am-7:30 am Bone Void Reconstruction in Foot and Ankle Surgery
Max P. Michalski, MD, MSc, Cedars-Sinai Medical Center

7:30 am-7:45 am Discussion

Concurrent Session 3A – Upper Extremity Trauma
Moderator: Aviram (Avi) Giladi, MD, *MedStar Union Memorial Hospital*
John V. Ingari, MD, *Lifebridge Health*
MAJ John P. Scanaliato, MD, *William Beaumont Army Medical Center*
CAPT Scott M. Tintle, MD, *University of Pennsylvania*

7:50 am-7:56 am 296 - Direct Catheter Delivery of Antibiotics in Porcine Open Fracture Model
CPT Mariah Arave, MD, Brooke Army Medical Center
**Presented by Capt Tori N. Kinamon, MD*

7:56 am-8:02 am 80 - Clinical Deterioration Index Predicts Perioperative Complications in Orthopedic Trauma Patients
CPT Alex M. Bouterse, MD, Tripler Army Medical Center

8:02 am-8:08 am 121 - Perioperative GLP-1 Agonists and Outcomes After Elbow Fracture Fixation
LT Eric M. Cal, MD, University of Texas Health Sciences San Antonio

8:08 am-8:14 am 84 - LTAC Cost Savings: Foamless NPWT Dressing vs. Traditional Foam Dressings
Michael S. Shuler, MD, Athens Orthopedic Clinic

8:14 am-8:20 am Discussion

8:20 am-8:26 am 257 - Bacterial Threat in the Eastern European Landwar
COL B. Hudson Berrey, MD, University of Florida, Jacksonville

8:26 am-8:32 am 233 - Contemporary Principles of K Wire Fixation and Operational Applications
LT Kyle P. Wieschhaus, MD, Naval Medical Center Portsmouth

8:32 am-8:38 am 198 - Pre-Fracture SGLT2 Inhibitor Exposure and Humeral Nonunion Risk
Andrew Madsen, BA, UTHSCSA

8:38 am-8:44 am 17 - Results of Third Generation Intramedullary Fixation for Midshaft Clavicle Fractures
Paul Hoogervorst, MD PhD, University of Minnesota

8:44 am-8:50 am Discussion

Concurrent Session 3B – Foot & Ankle *(Colorado Ballroom Salon 2)*
Moderator: Max P. Michalski, MD, MSc*, Cedars-Sinai Medical Center*
LTC Patrick D. Grimm, MD, *Dwight D. Eisenhower Army Medical Center*
LT Galen W. Sanderson, MD, *Naval Medical Center*
MAJ Paul B. Schroeder, MD, *U.S. Air Force Academy*

7:50 am-7:56 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

7:56 am-8:02 am 301 - Freehand vs. Jig-Guided Minimally Invasive Surgery for Hallux Valgus Correction
Capt Tori N. Kinamon, MD, Brooke Army Medical Center

8:02 am-8:08 am 22 - Transmalleolar vs Portal-Based Minimally Invasive Tibiotalar Joint Preparation: Cadaveric Study
Capt Arsh N. Patel, DO, Brooke Army Medical Center

8:08 am-8:14 am 215 - Electromyographic Activity in Immobilized Lower Extremities Utilizing Ambulatory Assistive Devices
Cuyler Dewar, MD, MS, Ohio State University Medical Center

8:14 am-8:20 am Discussion

8:20 am-8:26 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

8:26 am-8:32 am 248 - Radiographic Vascular Calcifications Predict Wound Complications in Operative Calcaneus Fractures
CPT Sean A. Kshir, BS, Brooke Army Medical Center

8:32 am-8:38 am 293 - Syndachilles: Simultaneous Syndesmosis and Achilles Rupture
LT Robert C. Weishar, MD, Naval Medical Center Portsmouth

8:38 am-8:44 am 322 - Tibial Nerve Reconstruction with Allograft Following Lower Extremity Trauma
T. Christopher Sullivan, MD, MBA, Naval Medical Center San Diego

8:44 am-8:50 am Discussion

8:50 am-9:05 am Refreshment Break (Grand Ballroom Foyer)

Concurrent Symposium 4A – Lower Extremity Trauma
Moderator: MAJ Michael M. Polmear, MD, *William Beaumont Army Medical Center*

9:10 am-9:20 am An Open Fracture and You are on Call: What is the State of the Art?
Jennifer E. Hagen, MD, University of Florida, Gainesville

9:20 am-9:30 am Bullet Point: Infection Prevention and Management
William T. Obremskey, MD, MPH, MMHC, Vanderbilt University Medical Center

9:30 am-9:55 am Discussion

Concurrent Symposium 4B – Pediatrics *(Colorado Ballroom Salon 2)*
Moderator: LCDR Kimberly Spahn, MD, *Naval Medical Center San Diego*

9:10 am-9:30 am Cerebral Palsy: A View from Both Sides
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*
MAJ Michael M. Polmear, MD, *William Beaumont Army Medical Center*

9:55 am-10:01 am 2 - Your Smartphone Knows Your Discharge Location Before You Do
CPT Ian P. Marshall, MD, Walter Reed National Military Medical Center

10:01 am-10:07 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

10:07 am-10:13 am 4 - Do Peripheral Nerve Blocks Hinder Post-Operative Ambulation After Extremity Trauma?
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center

10:13 am-10:19 am 37 - Preoperative Anemia Predicts Complications in Lower Extremity Long-Bone Fractures
2LT Dilibe C Ekowa, BS, Des Moines University

10:19 am-10:25 am Discussion

10:25 am-10:31 am 117 - Smartphone Mobility Recovery After Different Lower Extremity Fractures
CAPT Patrick J. McGlone, MD, Walter Reed National Military Medical Center

10:31 am-10:37 am 133 - Improved Pain and Function with Infrapatellar Nailing of Tibia Fractures
LT John E Railey, MD, MA, Walter Reed National Military Medical Center

10:37 am-10:43 am 138 - CT Hounsfield Units and Nonunion in Distal Femur Fractures
CPT Elizabeth Rich, MD, MPH, Walter Reed National Military Medical Center
**Presented by LT Janse Schermerhorn, MD*

10:43 am-10:49 am 329 - Risk Factors for Adverse Outcomes Following Pilon Fracture Fixation: A Multicenter Retrospective Review
Lisa K. Cannada, MD, Novant Health
**Presented by Alexandra Spath, BS*

10:49 am-10:55 am Discussion

Concurrent Session 4B – Pediatrics *(Colorado Ballroom Salon 2)*
Moderator: Hank Chambers, MD*, Rady Children's Hospital*
LCDR Kimberly Spahn, MD, *Naval Medical Center San Diego*

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-10:06 am Discussion

10:06 am-10:12 am 97 - Pulmonary Function Following Growth Friendly Treatment of Early Onset Scoliosis
CDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton

10:12 am-10:18 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

10:18 am-10:24 am 208 - Saving the Sprint: A Novel Surgical Technique in an Adolescent Athlete
LT Karolina A. Serhan, MD. Naval Medical Center Portsmouth

10:24 am-10:30 am Discussion

Concurrent Symposium 4B (Part 2) – Pediatrics *(Colorado Ballroom Salon 2)*
Moderator: LCDR Kimberly Spahn, MD, *Naval Medical Center San Diego*

10:30 am-10:50 am Second Deployment: Building an Academic Career after Military Medicine
Hank Chambers, MD, Rady Children's Hospital

10:50 am-10:55 am Discussion

10:55 am-11:10 am Refreshment Break (Grand Ballroom Foyer)

Special Session 4 – Reserves: Everything You Need to Know
Moderator: COL Kurtis L. Kowalski, MD*, Tennessee Orthopaedic*

11:15 am-11:45 am Military Reserves as an Orthopaedic Surgeon
COL Kurtis L. Kowalski, MD, Tennessee Orthopaedic Alliance

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

1:00 pm-2:30 pm **Scientific E-Poster Session** *(Sun Down)*
(Presenters will be available to answer questions)

3:30 pm-5:25 pm **Meeting Registration** *(Grand Ballroom Foyer)*

Best of SOMOS – Award Presentations (Give Awards)
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**
268 - ADSM Shoulder Stabilization Trends and Outcomes following Primary Cases, FY2016-2025
Veronika Pav, DrPh, Kennell and Associates, Inc.
**Presented by LT Conor F. McCarthy, MD*

3:36 pm-3:42 pm **Norman T. Kirk Award**
154 - Pre-Cancer Bone Mineral Density Predicts Breast Cancer Bone Metastasis Risk
Capt Abby Viglione, MD, University of California, Davis

3:42 pm-3:48 pm **Jamie Dianne Bulken-Hoover Memorial - Best Hand Paper Award**
81 - Ultrasound Changes following Corticosteroid Injection for Trigger Finger
ENS Sresth Viswanathan, BS, Georgetown University School of Medicine

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

209 - Implementation of a Suzetrigine-Based Multimodal Analgesic Protocol in Spine Surgery
Capt Allison Williams, MD, Rothman at AdventHealth Florida

3:54 pm-4:00 pm **Joint Forces Shoulder Instability Award**
173 - Scapular Morphology and Posterior Shoulder Instability: An MRI Study of Glenoid, Coracoid, and Acromial Anatomy
Capt G. Dillon Graham, MD, Atrium Health/OrthoCarolina

4:00 pm-4:15 pm **Louis House, Resident Program Research, Mazurack and Traveling Fellow Award Presentations**

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*

4:15 pm-4:25 pm Presentation of Allgood Award

4:25 pm-5:15 pm Panel Discussion
Panel: *COL(Ret) B. Hudson Berrey Jr., MD, University of Florida, Jacksonville*
COL(Ret) James R. Ficke, MD, Johns Hopkins University
RADM (Ret) Bruce L. Gillingham, MD, High Reliability Consulting, LLC
COL (Ret) Mark P. Pallis, DO, Geisinger Musculoskeletal Institute
CAPT Matthew T. Provencher, MD, MBA, The Steadman Clinic
Col (Ret) John M. Tokish, MD, Mayo Clinic

5:15 pm-5:25 pm SOMOS Presidential Turnover

Friday, December 11

6:00 am-11:30 am **Speaker Ready Room** *(Blue Sky)*

6:30 am-7:00 am **Service Breakout - Air Force**

6:30 am-11:30 am **Meeting Registration** *(Grand Ballroom Foyer)*

Rapid Fire Session 3A – Trauma III - Infection, Nonunion & Soft Tissue *(Mountain View)*
Moderator: Maj Phillip T. Grisdela Jr., MD, *Naval Medical Center Camp Lejeune*

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 83 - Fluid Retention in TPE vs. Foam NPWT Dressings
Michael S. Shuler,MD, Athens Orthopedic Clinic

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
**Presented by Marque Kriebel*

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 *(Berry Picker)*
Moderator: LT Alexander D. Li, MD, *Naval Medical Center Portsmouth*

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* **Presented by Tristan J. Elias, MD*
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* **Presented by LT Harrison Diaz, MD*
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* **Presented by Tristan J. Elias, MD*
7:20 am-7:28 am	Discussion
7:28 am-7:32 am	336 - Glucagon-Like Peptide-1 Receptor Agonist Use and Operative Hip Fracture Outcomes *Joshua Lui, BBA, niversity of Texas Medical Branch*
7:32 am-7:36 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*
7:36 am-7:40 am	28 - Opioid Prescribing and Consumption After ACL Reconstruction in Military Patients *LT Harrison Diaz, MD, Naval Medical Center San Diego*
7:40 am-7:44 am	23 - Opioid Prescribing and Consumption After Arthroscopic Capsulolabral Repair *LT Thomas Michael Johnstone, MD, Naval Medical Center San Diego*
7:44 am-7:48 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*
7:48 am-7:52 am	187 - Prolonged Postoperative Opioid Use in Veterans: Risks and Prevention *2nd Lieutenant Dipesh Patel, BS, Thomas F. Frist. Jr. College of Medicine*
7:52 am-8:00 am	Discussion

Rapid Fire Session 3C – Shoulder Arthroplasty & Elbow *(Colorado Ballroom Salon 1)*
Moderator: CDR Marvin E. Dingle, MD, *Naval Hospital Okinawa, Japan*
MAJ Patrick K. Mescher, MD, MBA, *Alexander T. Augusta Military Medical Center*

7:00 am-7:04 am	264 - Miles to Stability: Travel-Burden and Regional Variation in ADSM Shoulder Stabilizations *Veronika Pav, DrPh, Kennell and Associates, Inc.* *LT Conor F. McCarthy, MD, Walter Reed National* **Presented by LT Conor F. McCarthy, MD*
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	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*
7:12 am-7:16 am	107 - Inflammatory Arthropathies Increase Complications After Shoulder Arthroplasty *Coltin R. Gerhart, MD, UT Health - San Antonio* **Presented by Andrew Madsen, BA*
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-7:32 am	Discussion
7:32 am-7:36 am	190 - Bilateral Snapping Triceps Syndrome Following Operative Treatment *Micah Ngatuvai, MD, MBA, Texas Tech Health Sciences Center / William Beaumont Army Medical Center* **Presented by CPT Joshua Boring, MD*
7:36 am-7:40 am	36 - Shoulder Arthroplasty Complications in a Matched Retinoblastoma Survivor Cohort *Jeremy Somerson, MD, University of Texas Medical Branch at Galveston* **Presented by Kevin W. Raphael, BS*
7:40 am-7:44 am	50 - Risk of PIN Injury with Transosseous Radial Tuberosity Drilling *CPT Wyatt A.R. Smith, MD, MPH, Brooke Army Medical Center*
7:44 am-7:48 am	119 - Autologous Orthobiologic Injections for Glenohumeral Osteoarthritis: A Systematic Review

Kaitlyn Hohl, BA, Mayo Clinic Alix School of Medicine

7:48 am-7:52 am 320 - Trends in Shoulder Arthroplasty Utilization and Time-to-Surgery
CPT Brandon M. Barbery, DO, Eisenhower Army Medical Center
**Presented by CPT Kenneth J. Fellows, MD*

7:52 am-8:00 am Discussion

Rapid Fire Session 3D – Prediction, AI & Digital Health *(Colorado Ballroom Salon 2)*
Moderator: Col. R. Judd Robins, MD, *United States Air Force*

7:00 am-7:04 am 128 - Examining Apple Health Data following Transfemoral Osseointegration
Kara Churovich, MPH, Henry M. Jackson Foundation

7:04 am-7:08 am 253 - Continuous PJI Risk Algorithm Integrating Frailty and Surgical Complexity
Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA

7:08 am-7:12 am 283 - Wearable Monitoring in Orthopedic Surgery Residents: A Program-Wide Pilot Study
Capt Andrew D. Maeso, DO, Grandview - Kettering Health Orthopedic Surgery Residency Program

7:12 am-7:16 am 91 - The Impact of Videogaming on Arthroscopic Skills: A Feasibility Study
Gyan Narayan, BS, John Sealy School of Medicine
**Presented by William M. Weiss, MD, MSc, FRCSC*

7:16 am-7:20 am 338 - Evaluating YouTube Content on Peptide Therapy for Shoulder Pathology
Krish Patel, BS, University of Texas Medical Branch

7:20 am-7:24 am 352 - Orthopedic Surgeons' Perceptions of Artificial Intelligence in Education
LT Heather L MacEwen, MD, Naval Medical Center San Diego

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
Brandon H. Chung, DO, William Beaumont Army Medical Center

7:34 am-7:38 am 331 - Automated Ultrasound Measurement of Meniscal Extrusion Using Convolutional Neural Networks
LT (Ret.) Taylor K Calibo, MS, Steadman and Philippon Research Institute

7:38 am-7:42 am 330 - A Game Theory-Based Analysis of a Hip Fracture Prediction Model

CPT Benjamin A. Nelson, MD, Walter Reed National Military Medical Center
**Presented by LT Janse Schermerhorn, MD*

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 *(Sun Down)*
Moderator: LCDR Robert A. Tardif Jr., MD, *Naval Medical Center Portsmouth*

7:00 am-7:04 am 221 - Virtual Surgical Planning–Assisted Proximal Radius Reconstruction for Phosphaturic Mesenchymal Tumor
LT Addison Cantor, MD, Naval Medical Center Portsmouth

7:04 am-7:08 am 44 - Perioperative Nutritional Supplementation Improves Functional Recovery Following Orthopaedic Surgery
LT Hannah Gibbs, MD, Walter Reed National Military Medical Center

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
**Presented by Alexandra Tyner*

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 45 - Orthopaedic Intern Curriculum for the Military Medical Officer and Surgeon
2LT Jacob J Avilla, BS, Uniformed Services University
**Presented by LT Janse Schermerhorn, MD*

7:24 am-7:30 am Discussion

7:30 am-7:34 am 46 - Adaptive Ergonomics Curriculum for Military Orthopaedic Readiness
LT Andrew J. Rosso, MD, Naval Medical Center San Diego

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** *(Steadman and Philippon Research Institute)*

Concurrent Symposium 5A – Oncology
Moderator: MAJ Michael D. Eckhoff, MD, *William Beaumont Army Medical*

8:05 am-8:20 am Limb Salvage Challenges in the Growing Child
Thomas J. Scharschmidt, MD, Nationwide Children's Hospital

8:20 am-8:35 am Oncology Presentation TBD
Thomas J. Utset-Ward, MD, Nicklaus Children's Health

8:35 am-9:05 am Discussion

Concurrent Symposium 5B – Controversies in Spinal Surgery: A Debate *(Colorado Ballroom Salon 2)*
Moderator: MAJ Donald R. Fredericks, MD, *Walter Reed National Military Medical Center*
LTC Alfred J. Pisano, MD, *Walter Reed National Military Medical Center*

8:05 am-8:35 am Cervical Spine Surgery Controversies Debate
COL (Ret) Melvin D. Helgeson, MD, Mayo Clinic
Christopher K. Kepler, MD, MBA, Rothman Orthopaedic Institute

8:35 am-9:05 am Discussion

Concurrent Session 5A – Oncology
Moderator: Thomas J. Scharschmidt, MD, *Nationwide Children's Hospital*
Thomas J. Utset-Ward, MD, *Nicklaus Children's Health*

MAJ Michael D. Eckhoff, MD, *William Beaumont Army Medical*

9:05 am-9:11 am 243 - Anatomic Heterogeneity in the Prognostic Value of Tumor Size Among Axial Chondrosarcomas
Sumin Jeong, BS, David Geffen School of Medicine at UCLA

9:11 am-9:17 am 245 - County-Level PCB Burden Associates With Ewing Sarcoma Incidence After Prohibition
Timothy S. Ko, BS, David Geffen School of Medicine

9:17 am-9:23 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

9:23 am-9:29 am 152 - Enhancing Bone Regeneration via Dual Modulation of Osteogenesis and Osteoclastogenesis
CDR Daniel C. Allison, MD, MBA, Cedars-Sinai Medical Center

9:29 am-9:35 am Discussion

9:35 am-9:41 am 228 - Determinants of Primary Amputation in Extremity Sarcomas
Alexandra Richards, MD, University of California, Los Angeles

9:41 am-9:47 am 35 - Hip Fracture Incidence in a Matched Cohort of Retinoblastoma Survivors
Jeremy Somerson, MD, University of Texas Medical Branch at Galveston
**Presented by Kevin W. Raphael, BS*

9:47 am-9:53 am 226 - Photodynamic Bone Stabilization in Conjunction with Total Hip Arthroplasty: A Systematic Review
CPT Emmanuel G Cuevas, MS, William Beaumont Army Medical Center

9:53 am-9:59 am 125 - A Case of Cerebral FES During Bilateral Prophylactic Nails
CPT John A. Wahl, MD, MS, Tripler Army Medical Center

9:59 am-10:05 am Discussion

Concurrent Session 5B – Spine *(Colorado Ballroom Salon 2)*
Moderator: Melvin H. Helgeson, MD, *Mayo Clinic*
Christopher K. Kepler, MD, MBA, *Rothman Orthopaedic Institute*
MAJ Donald R. Fredericks, MD, *Walter Reed National Military Medical Center*
LTC Alfred J. Pisano, MD, *Walter Reed National Military Medical Center*

9:05 am-9:11 am 62 - RhBMP-2 in TLIF: Results from a Prospective, Randomized IDE Trial
COL (Ret) David W. Polly, MD, University of Minnesota

9:11 am-9:17 am 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

9:17 am-9:23 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

9:23 am-9:29 am 344 - TRT Is Associated with Increased Nonunion but Reduced Mortality Following Lumbar Fusion
Damon Ross, BS, Henry Ford Health
**Presented by Kashif Javid, BA*

9:29 am-9:35 am Discussion

9:35 am-9:41 am 156 - Dual Fluoroscopy Techniques Improve Operative Efficiency During Percutaneous Pelvic Fixation
CPT Alex M. Bouterse, MD, Tripler Army Medical Center

9:41 am-9:47 am 27 - Deployable System for Forward Spine Stabilization in Austere Environments
MAJ Rafael Garcia-Cañas, MD, PhD, Spanish Ministry of Defence

9:47 am-9:53 am 303 - Comparing Clinical Outcomes Between Open Versus Percutaneous Approach for Spinopelvic Dissociation
Capt Blake H. Cohoe, MD, UC Davis Health

9:53 am-9:59 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

9:59 am-10:05 am Discussion

10:05 am-10:20 am Refreshment Break (Grand Ballroom Foyer)

Symposium 6 – Hip Preservation
Moderator: LCDR Mark S. Katsma, DO, *Naval Medical Center Portsmouth*

10:20 am-10:40 am The Hip on the Edge: Navigating Gray Zones of Hip Preservation
CDR Vanna Rocchi, DO, Naval Medical Center Portsmouth

10:40 am-10:55 am Discussion

General Session 6 – Hip Preservation
Moderator: LCDR Mark S. Katsma, DO, *Naval Medical Center Portsmouth*
CDR Vanna Rocchi, DO*, Naval Medical Center Portsmouth*

10:55 am-11:01 am	98 - Late Residual Acetabular Dysplasia Following Successful Pavlik Harness Treatment *LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton*
11:01 am-11:07 am	297 - Return to Duty after PAO in an Active Duty Military Population *Garrett B. Neel, Medical University of South Carolina College of Medicine*
11:07 am-11:13 am	347 - Pain-Related Psychological Distress Phenotypes in Patients Undergoing Hip Arthroscopy for Femoracetabular Impingement *CDR Brian T. Barlow, MD, Naval Hospital Rota*
11:13 am-11:19 am	18 - Frozen Hip: Clinical Characteristics, Treatment Outcomes, and Recovery Timeline *LT Thomas Michael Johnstone, MD, Naval Medical Center San Diego*
11:19 am-11:25 am	169 - Hip Length Discrepancy differs from Limb Length Discrepancy: 3D-CT Analysis *CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center*
11:25 am-11:30 am	Discussion

2026 SOMOS E-Poster Presentations

Adult Reconstruction

Poster 1

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

Poster 2

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

Poster 3

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

Poster 4

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

Poster 5

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

Foot & Ankle

Poster 6

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

Poster 7

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

Poster 8

177 - Place of Service Has Not Changed for Local Hand Surgery Cases
Kyle Griffith, University of Southern California

Poster 9

115 - Multiplanar Suture Tape Reconstruction for Scapholunate Insufficiency: A Technical Note
Andrew Rosso, Naval Medical Center San Diego

Poster 10

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

Pediatrics
Poster 11
96 - Outcomes of Periacetabular Osteotomy in Down Syndrome Associated Hip Dysplasia
LCDR Vivek M. Abraham, MD, Texas Scottish Rite Hospital/Naval Hospital Camp Pendleton

Poster 12
284 - Femoral Junction Over-Resection Causes Labral Deflection: Ultrasound Study
LCDR Jamie Frost, BS, MS, Steadman and Philippon Research Institute

Poster 13
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
**Presented by LT Addison Cantor, MD*

Other
Poster 14
149 - Functional Gait Recovery in PEG-Fused Porcine Nerve Injury
CPT Mariah Arave, MD, Brooke Army Medical Center
**Presented by William M. Weiss, MD, MSc, FRCSC*

Practice Management/Education
Poster 15
250 - Impact of Short-Term Affect on Attitudes towards Advanced Care Planning
CPT Nathan D Kappler, DO, William Beaumont Army Medical Center

Poster 16
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
Poster 17
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

Spine
Poster 18
66 - Sacral Alar Iliac Screws: Freehand vs. Navigation

COL (Ret) David W. Polly, MD, University of Minnesota

Poster 19
346 - Testosterone Replacement Therapy and Postoperative Outcomes Following Cervical Spine Fusion
Damon Ross, BS, Henry Ford Health
**Presented by Kashif Javid, MD*

Poster 20
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

Poster 21
289 - A Biomechanical Comparison of Gluteus Medius Repair With and Without Iliotibial Band Augmentation
Cameron J Arnet, BS, Steadman Philippon Research Institute

Poster 22
258 - Meniscus Posterior Horn Morphology Does Not Affect ACL Integrity
Justin J. Ernat, MD, University of Utah Health
**Presented by Parker Boyce*

Poster 23
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*

Poster 24
286 - A Biomechanical Comparison of Suture Configurations for Proximal Hamstring Tendon Repair
LCDR Jamie Frost, BS, MS, Steadman and Philippon Research Institute

Poster 25
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

Poster 26
54 - Slope-Reducing Osteotomy with Primary ACLR is Cost-Effective with Elevated PTS
CPT James A Pruneski, MD, Tripler Army Medical Center

Trauma

Poster 27
199 - Radiographic Predictors of Residual Malalignment Following Humeral Intramedullary Nailing
LT Lindsey G. Droz, DO, MBA, Duke University

Poster 28
312 - Obesity Predicts Long-Term Pain after IMN of Lower Extremity Fracture
Damon Ross, BS, Henry Ford Health
**Presented by Kashif Javid, BA*

Poster 29
40 - Antibiotic Nails Outperform DAIR: Preventing Recurrent Tibial Shaft Fracture Infection
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center

Tumor
Poster 30
237 - RNA-Protein Discordance in Sarcoma Reveals Vulnerabilities Missed by Transcriptomic Profiling
Sumin Jeong, BS, David Geffen School of Medicine at UCLA

Poster 31
235 - Metastatic Bone Disease Increases Periprosthetic Fracture Risk after TJA
Maj Carlos Maturana, MS, David Geffen School of Medicine at UCLA