

ACCREDITATION INFORMATION

PROGRAM COMMITTEE

LTC Daniel J. Song, MD – Co-Chair
LTC David J. Tennent, MD – Co-Chair
COL Daniel J. Stinner, MD, PhD
LCDR Marvin E. Dingle, MD
CPT Erik Hegeman, MD
Col. R. Judd Robins, MD
MAJ Sean E. Slaven, MD
CDR Jennifer L. Smith, 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 66th Annual Meeting of the Society of Military Orthopaedic Surgeons has been developed primarily for orthopaedic and trauma surgeons.

PURPOSE

1. Provide a forum for the dissemination of military-specific orthopaedic knowledge relevant to military surgeons and servicemembers.
2. Provide attendees with the latest surgical, clinical, and research advances in each orthopaedic sub-specialty area.

OBJECTIVES

Educational objectives will be met through a combination of paper presentations, lectures and symposia in plenary and specialty sessions including open discussion with the lecturers and paper presenters. Following participation in the Scientific Program, attendees should be able to:

1. Critically evaluate orthopaedic diseases and treatments through evidenced based outcome presentations.
2. Discuss basic science and clinical research and its implications for diagnosis and treatment of orthopaedic diseases.
3. Enhance and maximize clinical and operative skills by integrating new information into their practice.

These educational objectives will be obtained through paper presentations, instructional courses, guest lectureships, symposia, multimedia educational sessions and poster sessions.

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 66th Annual Meeting, December 10 – 13, 2024 to be held in Nashville, Tennessee for an approximate maximum of 26.75 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 24.25 AMA PRA Category 1 Credits™
The Posters are 2.5 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 2024 Society of Military Orthopaedic Surgeons (SOMOS) 66th 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 2024 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 10th – 13th during the Scientific Program. **Please note on the Scientific Program Schedule the designated times the poster presenters will be available for discussion.**

7:40 am-8:00 am Using Arthroscopy in the Management of Ankle Fractures
Richard D. Ferkel, MD, Southern California Orthopedic Institute

8:00 am-8:10 am Discussion

Concurrent Session 1A – Foot and Ankle (*Symphony Ballroom III*)

Civilian Moderator: Richard D. Ferkel, MD, *Southern California Orthopedic Institute*
Nicholas L. Strasser, MD, *Vanderbilt University Medical Center*

Military Moderator: LCDR Theodora Dworak, MD, *Walter Reed National Military Medical Center*

8:15 am-8:20 am 5 - Prevalence of Osteochondral Lesions of the Talus in Chronic Ankle Instability
LTC Kevin D. Martin, DO, Ohio State University College of Medicine

8:20 am-8:25 am 65 - Functional Outcomes of Achilles Repair in the U.S. Military
LT Anneliese Vitha, MD, Naval Medical Center San Diego

8:25 am-8:30 am 109 - Radiographic Results of Percutaneous Reduction of Calcaneal Fractures and Posterior Arthroscopic Subtalar Arthrodesis (C-PASTA)
LTC Kevin D. Martin, DO, Ohio State University College of Medicine

8:30 am-8:37 am Discussion

8:37 am-8:42 am 120 - Prospective Comparison of Stress Radiographs in Weber B Ankle Fractures
Matthew J. Siebert, MD, University of Utah Health

8:42 am-8:47 am 198 - Five-Year Reoperation Rates following Ankle Fractures in Patients with Concomitant Ankle Arthroscopic Procedures
ENS Emile-Victor Kuyl, BS, George Washington University School of Medicine and Health Sciences

8:47 am-8:52 am 225 - Outcomes of the Modified Kidner Procedure for Accessory Navicular in the Setting of a Flat Foot Deformity
CPT David Fogg, MD, William Beaumont Army Medical Center

8:52 am-8:57 am 283 - Wound Complications of Rapide vs. Nylon Sutures in Foot and Ankle Surgery
Capt Jacob I. Priester, MD, University of California, Davis

8:57 am-9:05 am Discussion

Concurrent Session 1B – Practice Management (*Black Bird*)

Civilian Moderator: Col (Ret) Dean Taylor, MD, *Duke University*

Military Moderator: LTC Jeanne Patzkowski, MD, *Brooke Army Medical Center*

8:15 am-8:20 am 69 - Leadership Development within a Military Orthopaedic Surgery Program: A Survey

CPT Edmund P. Mullin, MD, Brooke Army Medical Center

- 8:20 am-8:25 am 85 - Quantifying Influence: The Orthopaedic PAC's Impact Explored through FEC Data
CPT Vidushan Nadarajah, MD, University of Virginia
- 8:25 am-8:30 am 260 - Comparative Analysis of Knee Osteoarthritis Treatment Information on Popular Social Media Platforms
Manish Pathuri, BS, Pritzker School of Medicine
- 8:30 am-8:35 am 134 - Comparing Training Utility of Cadaveric Models to Sawbones in Orthopaedic Surgery Resident Education
LT Cord J. Peters, MD, Naval Medical Center Portsmouth
**Presented by LT Vaughn Land, MD*
- 8:35 am-8:40 am Discussion
- 8:40 am-8:45 am 219 - Cancer Incidence in Male Orthopaedic Surgeons
Sara S. Van Nortwick, MD, The Medical University of South Carolina
**Presented by Lisa K. Cannada, MD*
- 8:45 am-8:50 am 241 - Satisfaction of Civilians Treated at a Military Training Facility
Capt Jantz J. Arbon, MD, Brooke Army Medical Center
- 8:50 am-8:55 am 242 - Impact of Transitioning to a Level I Trauma Center on Orthopaedic Surgical Volume and Resident Education
Darlington Nwaudo, MD, University of Chicago Medical Center
- 8:55 am-9:00am 248 - Factors Influencing Resident Satisfaction at MTFs and ERSAs
CPT Anthony N. Gavalas, MD, William Beaumont Army Medical Center
- 9:00 am-9:05 am Discussion
- 9:05 am-9:25 am *Break with Exhibitors (Symphony Ballroom I & II)*

Concurrent Session 2A – Panel Discussion: Foot and Ankle Case Debate (*Symphony Ballroom III*)

Moderator: LTC Jeannie Huh, MD, *Brooke Army Medical Center*

- 9:25 am-10:15 am Panel Discussion (*1 PPT from Moderator*)
Panel: *COL Thomas C. Dowd, MD, Evans Army Community Hospital*
Richard D. Ferkel, MD, Southern California Orthopedic Institute
Bethany Gallagher, MD, Vanderbilt University Medical Center
Nicholas L. Strasser, MD, Vanderbilt University Medical Center

Concurrent Session 2B – Basic Science and Infection (*Black Bird*)

Civilian Moderator: Joseph C. Wenke, PhD, *University of Texas Medical Branch*

Military Moderator: Maj Taylor Bates, MD, *Brooke Army Medical Center*

- 9:25 am-9:30 am 32 - Proteomic Analysis of Synovial Fluid in Patients with Shoulder Instability
CPT Rachel Milam, MD, Madigan Army Medical Center
**Presented by LTC Joseph Galvin, DO*
- 9:30 am-9:35 am 100 - Preventing Complications of Deep Infection in Complex Hosts
Maj Helen S. M. Smith, BMBCh MA PGCert, Defence Medical Deanery
- 9:35 am-9:40 am 118 - How Orthopaedic Research Benefits from the Implementation of AI
CPT James Pruneski, MD, Tripler Army Medical Center
- 9:40 am-9:45 am 122 - Do Antibiotic Bead Pouches Prevent Surgical Site Infections and Complications in Patients with Severe Lower Extremity Open Fractures?
CPT Umar A. Khan, MD, Walter Reed National Military Medical Center
- 9:45 am-9:50 am Discussion
- 9:50 am-9:55 am 129 - Bone Mineral Density Using Hounsfield Units – Establishing a Hounsfield Unit Scale
CPT Umar A. Khan, MD, Walter Reed National Military Medical Center
- 9:55 am-10:00 am 149 - Evaluation of Novel Antimicrobial Coating on Kirschner Wires in Rats
Cant Ryan Siu, MD, Brooke Army Medical Center
- 10:00 am-10:05 am 163 - Fracture Healing Modelling and Simulation for Surgical Decision Making
George Morgan, Meng, Imperial College London
- 10:05 am-10:10 am 221 - Femoral Neck Prophylaxis With Lateral Femoral Plating: A Biomechanical Study
Jacob D. Schultz, MD, Vanderbilt University Medical Center
- 10:10 am-10:15 am Discussion

Symposium 2 – Foot and Ankle Trauma (*Symphony Ballroom III*)

Moderator: LTC Katherine Bedigrew, MD, *Brooke Army Medical Center*

- 10:20 am-10:40 am The Ankle Fracture that went Rogue
Bethany Gallagher, MD, Vanderbilt University Medical Center

10:40 am-11:00 am Break with Exhibitors (Symphony Ballroom I & II)

Symposium 3 – Research (*Symphony Ballroom III*)

Moderator: COL(Ret) Jonathan F. Dickens, MD, *Duke University Health*

- 11:00 am-11:25 am *Lt Col Andrew J. Sheean, MD, Brooke Army Medical Center*
Joseph C. Wenke, PhD, University of Texas Medical Branch

Panel Discussion 1 – Total Joint Arthroplasty in the DOD: How I Make It Work

(Symphony Ballroom III)

Moderator: LTC Joseph H. Dannenbaum, MD, *Madigan Army Medical Center*

11:30 am-11:40 am *Maj Stuart J. Davidson, MD, US Air Force Academy*

11:40 am-11:50 am *CDR Ashton H. Goldman, MD, Naval Medical Center Portsmouth*

11:50 am-12:00 pm *Lt Col Robert J. McGill, MD, Alexander T. Augusta Military Medical Center*

12:00 pm -12:05 pm Discussion

12:10 pm -1:10 pm **Focused Lunch Presentations** (*Ocean Way, Sound Emporium, Southern Ground, Black Bird*)

**CME Credit not available*

Symposium 4 – Studies that are Changing Practice - US and International Perspective

(Symphony Ballroom III)

Moderator: MAJ Michael M. Polmear, MD, *William Beaumont Army Medical Center*

1:10 pm-1:40 pm Point Counter Point

Heather A. Vallier, MD, Case Western Reserve University, Cleveland Clinic Lerner College of Medicine

Surg Cdr Jowan G. Penn-Barwell, MB ChB, PhD, FRCS, Oxford Trauma Service

General Session 3 – Trauma (*Symphony Ballroom III*)

Civilian Moderators: Joseph R. Hsu, MD, *Atrium Health Musculoskeletal Institute*

Heather A. Vallier, MD, Case Western Reserve University, Cleveland Clinic Lerner College of Medicine

Military Moderator: MAJ Michael M. Polmear, MD, *William Beaumont Army Medical Center*

1:45 pm -1:50 pm 2 - Mortality Outcomes in Treating Intertrochanteric Hip Fractures using Intramedullary Nails and Dynamic Hip Screw: A Retrospective Study
Capt Sohail Rehman, MBBS, Khyber Teaching Hospital Pakistan

1:50 pm -1:55 pm 35 - Operation Inherent Resolve Epidemiological Study of Surgical Cases Role III

CPT Gregory Rummel, MD, Womack Army Medical Center - Cape Fear Valley Hospital

**Presented by 2LT Matthew M. McDonough, MD*

1:55 pm -2:00 pm 45 - Majority of Deep Infections after Open and Closed Fracture are Polymicrobial: PREP-IT

CPT Joshua A. Hansen, MD, William Beaumont Army Medical Center

- 2:00 pm -2:05 pm 105 - Perioperative Dexamethasone: Effects on Length of Stay, Perioperative Outcomes, and Safety in Isolated Lower Extremity Long Bone Fracture Fixation
Tanios Dagher, BSE, University of Chicago
**Presented by Jason Strelzow, MD*
- 2:05 pm -2:10 pm 111 - Adverse Mental Health Outcomes after Severe Open Tibia Fractures: A Secondary Analysis of the FIXIT Study
LT Natasha M. Simske, MD, William Beaumont Army Medical Center
- 2:10 pm -2:15 pm 123 - Impact of Time to Revascularization on Patients with Ischemic Lower Extremity Open Fractures
CPT Umar A. Khan, MD, Walter Reed National Military Medical Center
- 2:15 pm -2:20 pm 170 - Tourniquet Syndrome-The Mechnikov Experience
Mykyta Tomilin, MD, Henry Ford Hospital
- 2:20 pm -2:25 pm 139 - External Fixator Pin Placement: Safe Without Fluoroscopy
Lauren Luther, MD, Vanderbilt University Medical Center
- 2:25 pm -2:30 pm Discussion

Panel Discussion 2 – Trauma: How I’m Fixing It in 2024 (*Symphony Ballroom III*)

Moderator: LCDR Christopher H. Renninger, MD, *Walter Reed National Military Medical Center*

- 2:30 pm -3:30 pm Panel Discussion
Panel: *Joseph R. Hsu, MD, Atrium Health Musculoskeletal Institute*
Hassan R. Mir, MD, MBA, Florida Orthopaedic Institute
Phillip Mitchell, MD, Vanderbilt University Medical Center

3:30 pm-3:50 pm *Break with Exhibitors (Symphony Ballroom I & II)*

Symposium 5 – Musculoskeletal Infection (*Symphony Ballroom III*)

Moderator: LCDR Ashley Anderson, MD, *Walter Reed National Military Medical Center*

- 3:50 pm-4:05 pm Biofilms: Evidence, Impact, and Strategies
Joseph C. Wenke, PhD, University of Texas Medical Branch
- 4:05 pm-4:20 pm Exploring Future Paradigms in MSK Infection
William T. Obremskey, MD, MPH, MMHC, Vanderbilt University Medical Center
- 4:20 pm -4:25 pm Discussion

Symposium 6 – General Surgery Trauma (*Symphony Ballroom III*)

Moderator: COL Jerome M. Benavides, MD, MBA, *Madigan Army Medical Center*

- 4:30 pm-4:45 pm On-Call and Deployed: Orthopaedic and General Surgery as Teammates

Bradley M. Dennis, MD, Vanderbilt University Medical Center

4:45 pm-5:00 pm On-Call and Deployed: Orthopaedic and General Surgery as Teammates
COL (Ret) Matthew Eckert, MD, University of North Carolina

Rapid Fire Session 1B - Total Joint (Black Bird)

Moderator: MAJ H. Henry Yu, MD, *Madigan Army Medical Center*

Maj Jason A. Beachler, MD, *Wright Patterson Medical Center*

5:05 pm-5:09 pm 22 - Suction Drain Usage has no Benefit following Revision Total Hip and
Knee Arthroplasty
LT Andrew D. Lachance, MD, Guthrie Clinic

5:09 pm-5:13 pm 23 - Robotic Assisted vs. Manual TKA Allows for Smaller Poly Sizes
during Simultaneous ROH
LT Andrew D. Lachance, MD, Guthrie Clinic
**Presented by Roman Steika, MD*

5:13 pm-5:17 pm 42 - Funding and Innovation Using Modern Data Networks in Knee
Arthroplasty
2LT Xianni Simmons, MS, University of Florida College of Medicine

5:17 pm-5:21 pm 68 - Offset, Leg Lengthening and Patient Reported Outcomes in Hip
Arthroplasty
Stephanie Price, MD, MPH, UT Dell Medical School
**Presented by Chizi Ibezim, MD*

5:21 pm-5:33 pm Discussion

5:33 pm-5:37 pm 203 - Innovative Approach for Converting a Broken Cephalomedullary
Nail to THA
CPT Alexandria Murphy, MD, MS, Madigan Army Medical Center

5:37 pm-5:41 pm 251 - Revision of Total Hip Arthroplasty following Acetabular Fracture
Fixation
Ridge Maxson, BS, Johns Hopkins University School of Medicine

5:41 pm-5:45 pm 137 - Pre-Injection Local Anesthesia for Intraarticular Hip Injections
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center

5:45 pm-5:49 pm 196 - Is the Use of Cerclage Wires Associated with Increased
Complications following ORIF of Periprosthetic Femur Fractures?
*Phillip T. Grisdela, MD, Harvard Combined Orthopaedic Residency
Program*

5:49 pm-5:53 pm 91 - Neural Network Insights into Operative Efficiency in Shoulder
Arthroplasty
CPT Vidushan Nadarajah, MD, University of Virginia

5:53 pm-6:05 pm Discussion

Rapid Fire Session 1C – Hand and Upper Extremity (Ocean Way)

Moderators: CDR Christopher A. Cochran, MD, *Naval Hospital Camp Pendleton*

CDR Darren D. Thomas, MD, *Naval Medical Center San Diego*

- 5:05 pm-5:09 pm 270 - Assessing the Impact of Ballistic Elbow Fractures on Heterotopic Ossification
Manish Pathuri, BS, Pritzker School of Medicine
- 5:09 pm-5:13 pm 14 - Proximal Pole Scaphoid Fracture Nonunion Treated with Ipsilateral Hamate Transfer
LT Reinaldo E. Colon-Morillo, MD, Naval Medical Center San Diego
- 5:13 pm-5:17 pm 24 - Outcomes following Posteromedial Elbow Debridement in Major League Baseball Players
LT Philip Davis, MD, Naval Medical Center Portsmouth
- 5:17 pm-5:21 pm 41 - Current Trends in UCL Repair and Reconstruction: A Five-Year Study
LT Matthew A. Zinner, MD, Northwell Northshore University/Long Island Jewish Medical Center
- 5:21 pm-5:25 pm 97 - Neural Network Analysis of Operative Efficiency in Carpal Tunnel Release Surgeries
CPT Vidushan Nadarajah, MD, University of Virginia
- 5:25 pm-5:29 pm 110 - Effect of Initial Splint Type in Managing Humeral Shaft Fractures
Sahil Sethi, BS, University of Chicago Medical Center
- 5:29 pm-5:35 pm Discussion
- 5:35 pm-5:39 pm 169 - Review of UK Military Personnel Living with Upper Limb Amputations
Surgeon Lieutenant Commander Royal Navy Liam Michael Kilbane, MBChB, BSc, Royal Navy / Queen Alexandra Hospital
- 5:39 pm-5:43 pm 205 - Extensor Mechanism Damage with Proximal Phalanx Antegrade Screw Insertion
CAPT Nadiya Yerich, MD, Brooke Army Medical Center
- 5:43 pm-5:47 pm 157 - Capitate Shortening Osteotomy for Kienböck's Disease: A Systematic Review
LT Natasha M. Simske, MD, William Beaumont Army Medical Center
- 5:47 pm-5:51 pm 226 - Compartment Syndrome after Gunshot Injuries to the Upper Extremity
Julia B. Nascimben, BS, University of Illinois College of Medicine at Chicago

5:51 pm-5:55 pm 275 - Corroboration of MRI and Intra-operative Finding of Triangular Fibrocartilage Injuries
Maggie M. Scribner, MD, Tripler Army Medical Center

5:55 pm-5:59 pm 256 - Correlation between Carpal Tunnel Syndrome and Sleep Quality
LT David Musher, MD, Naval Medical Center Portsmouth

5:59 pm-6:05 pm Discussion

Rapid Fire Session 1D – Wartime Trauma (*Sound Emporium*)

Moderators: Col Brandon R. Horne, MD, *Wright-Patterson Medical Center*
MAJ Zachary Roward, MD, *Brooke Army Medical Center*

5:05 pm-5:09 pm 18 - Lack of Association Between C-Spine Injuries and Prehospital Immobilization: From Tradition to Evidence
Yael V. Ezra, MD, Israel Defense Force's Medical Corps

5:09 pm-5:13 pm 44 - Regenerate Stabilization with a Photodynamic Intramedullary Stabilization System following Bone Transport via Circular External Fixation
James A. Blair, MD, FACS, Emory University at Grady Memorial Hospital

5:13 pm-5:17 pm 43 - Balanced Cable Bone Transport of the Tibia Using Automated Motorized Struts
James A. Blair, MD, FACS, Emory University at Grady Memorial Hospital

5:17 pm-5:21 pm 229 - Is Drop Testing of Suspension Seats Relevant for Military Boats?
Johan Ullman, Sahlgrenska Academy, Gothenburg University

5:21 pm-5:25 pm 143 - Compartment Syndrome Risk in Tibial Fractures: Ballistic vs. Blunt Mechanisms
Matthew Dulas, MD, University of Chicago Medicine

5:25 pm-5:33 pm Discussion

5:33 pm-5:37 pm 177 - Tourniquets on the Modern Battlefield- Lessons Forgotten
CPT Erickson Andrews, MD, Henry Ford Hospital

5:37 pm-5:41 pm 179 - Wartime Amputations- Past and Present
Mykyta Tomilin, MD, Henry Ford Hospital

5:41 pm-5:45 pm 238 - Articular Violation of the Joint During Ballistic IMN Treatment for Femoral and Tibial Fractures is not Associated with Increased Risk of Infection
Fatima Bouftas, BS, University of Chicago, Pritzker School of Medicine

5:45 pm-5:49 pm 255 - Retrospective Analysis of Limb Amputations Among Soldiers in Two Similar Wars
Col (Ret.) Shachar D. Shapira, MD, MHA, MA, MBA, Chaim Sheba Medical Center
**Presented by Capt (Ret) Dan Prat, MD*

5:49 pm-5:53 pm 243 - Hand-Drilled vs. Power-Drilled External Fixator Pin Pullout Strength
CPT Mason Adams, DO Brooke Army Medical Center

5:53 pm-5:57 pm 269 - Recent Orthopaedic Trauma Volume in the U.S. Military Health System
LT Conor F. McCarthy, MD, Walter Reed National Military Medical Center
**Presented by LT Nicholas M. Panarello, MD*

5:57 pm-6:05 pm Discussion

Rapid Fire Session 1E – Shoulder (*Southern Ground*)

Moderators: LTC Kyong Min, MD, *Madigan Army Medical Center*
Maj Erin R. Swan, MD, *Brooke Army Medical Center*

5:05 pm-5:09 pm 27 - Metal Punch vs. Drill for Rotator Cuff Anchor Socket; Preclinical and Clinical Comparisons
MAJ Mathew Resnick, DO, University of Missouri Orthopedic Surgery

5:09 pm-5:13 pm 47 - Suture Debris Contributes Significantly to Tissue Response in Shoulder Arthroplasty
MAJ John P. Scanaliato, MD, William Beaumont Army Medical Center

5:13 pm-5:17 pm 53 - Whole Genome Sequencing of Patients with Severe Glenoid Dysplasia Identifies HOXA9 as a Candidate Genetic Variant
CPT Craig Johnson, DO, Madigan Army Medical Center Orthopaedics

5:17 pm-5:21 pm 77 - Type V Acromioclavicular Joint Dislocation Reduction Loss after Acute Fixation
LCDR Scott Feeley, MD, Walter Reed National Military Medical Center
**Presented by 2d Lt Natalia Pluta, BS, MS*

5:21 pm-5:25 pm 112 - Durable Outcomes after Arthroscopic Posterior Labral Repair at Minimum Ten Years Follow-Up
LT Natasha M. Simske, MD, William Beaumont Army Medical Center

5:25 pm-5:29 pm 130 - Clinical Outcomes after Arthroscopic 270 Degrees Labral Repair in Active-Duty Military Patients: At Minimum Ten Year Follow-Up
CPT John K. McNamara, MD, William Beaumont Army Medical Center / Texas Tech

5:29 pm-5:35 pm Discussion

- 5:35 pm-5:39 pm 138 - Glenoid Bone Loss in Unidirectional vs. Combined Shoulder Instability
CPT Annette Yoon, MD, William Beaumont Army Medical Center
- 5:39 pm-5:43 pm 147 - Return to Sport after Inlay Total Shoulder Arthroplasty in Weightlifters
2LT Zachary A. Blashinsky, BS, Florida International University Herbert Wertheim College of Medicine
- 5:43 pm-5:47 pm 153 - Anatomic or Reverse Total Shoulder Arthroplasty? How Fellowship Training Affects Selection of Arthroplasty Type
CPT Cole Johnson, MD, William Beaumont Army Medical Center
- 5:47 pm-5:51 pm 168 - Beach-Chair Position Increases Cerebral Deoxygenation for Upper Extremity Fracture Surgery
LT Dylan Fischer, BA, MD, University of Nebraska Medical Center
- 5:51 pm-5:55 pm 201 - The Effect of Surgeon Volume on Outcomes following Total Shoulder Arthroplasty: A Nationwide Assessment
CPT Cole Patrick, MD, William Beaumont Army Medical Center
- 5:55 pm-5:59 pm 273 - An Analysis of Reverse Shoulder Arthroplasty in Patients Under 60
ENS Collin P. Todd, BS, Ohio State University College of Medicine
- 5:59 pm-6:05 pm Discussion

Wednesday, December 11

- 6:30 am-5:15 pm **Meeting Registration** (*Symphony Ballroom Foyer*)
- 6:30 am-8:00 pm **Speaker Ready Area** (*Green Room*)
- 6:30 am-7:00 am **Scientific E-Poster Session** (Presenters will be available to answer questions.) (*Sound Emporium*)

Concurrent Symposium 7A –Pearls and Pitfalls of Total Joint Arthroplasty (*Symphony Ballroom III*)

Moderator: CDR Ashton H. Goldman, MD, *Naval Medical Center Portsmouth*

- 7:00 am-7:20 am Innovation in Orthopedics: Cures vs. Casualties
David G. Lewallen, MD, Mayo Clinic
- 7:20 am-7:40 am Avoiding Aseptic Total Knee Loosening
J. Ryan Martin, MD, Vanderbilt University Medical Center
- 7:40 am-7:50 am Discussion

Concurrent Symposium 7B – Optimizing Return to Duty: Perioperative Considerations
(*Black Bird AB*)

Moderator: CDR Robert A. Waltz, MD, *United States Naval Academy*

- 7:00 am-7:15 am Advances in Rehab: Where We are, Where We are Going?
Johnny Owens BS, MPT, Owens Recovery Science
- 7:15 am-7:30 am Optimizing Perioperative Nutrition
Diana Nguyen MS, RDN, LDN, CSSD, CSCS, ISAK-1, Human Performance Program, Ft. Liberty
- 7:30 am-7:45 am Get Your Mind Right: Performance Psychology and Recovery
Kristin R. Archer, PhD, DPT, Vanderbilt University Medical Center
- 7:45 am-7:50 am Discussion

Concurrent Session 3A – Total Joint Arthroplasty (*Symphony Ballroom III*)

Civilian Moderators: David G. Lewallen, MD, *Mayo Clinic*

J. Ryan Martin, MD, *Vanderbilt University Medical Center*

Military Moderator: CDR Ashton H. Goldman, MD, *Naval Medical Center Portsmouth*

- 7:55 am-8:00 am 51 - TEA Use and AV Fistula Thrombosis in Total Joint Arthroplasty
Stephanie Price, MD, MPH, UT Dell Medical School
- 8:00 am-8:05 am 75 - Mitigating Postoperative ED Visits: Mental Health Interventions in Joint Arthroplasty
Stephanie Price, MD, MPH, UT Dell Medical School
**Presented by Chizi Ibezim, MD*
- 8:05 am-8:10 am 88 - Pressfit Patella In Total Knee Arthroplasty- Systematic Review and Meta-Analysis
CPT Kimberton Nguyen, MD, Womack Army Medical Center
- 8:10 am-8:15 am 98 - A Comparative Analysis of Medicaid and Medicare Reimbursement Variations for Total Knee and Total Hip Arthroplasty Procedures
CPT Matthew E. Wells, DO, William Beaumont Army Medical Center
- 8:15 am-8:20 am Discussion
- 8:20 am-8:25 am 167 - Comparing Surgical Subspecialty Outcomes in Hemiarthroplasty for Femoral Neck Fractures
2LT Aidan A. Welsh, BS, Tufts School of Medicine
- 8:25 am-8:30 am 184 - Risk Factors for Medical Separation after Total Hip Arthroplasty
LT Skyler D. Walker, MD, Naval Medical Center Portsmouth
- 8:30 am-8:35 am 254 - Return to Duty and Outcomes after UKA and PTO
LT Conor F. McCarthy, MD, Walter Reed National Military Medical Center

8:35 am-8:40 am 284 - Are Patient-Reported Outcomes of Primary Arthroplasty in Active Duty vs. Non-Active Duty Patients Similar? A MOTION Registry Study
CDR Brian T. Barlow, MD, Naval Hospital Rota

8:40 am-8:45 am Discussion

Concurrent Session 3B – Perioperative Optimization (*Black Bird*)

Civilian Moderator: Kristin R. Archer, PhD, DPT, *Vanderbilt University Medical Center*

Military Moderator: Col R. Judd Robins, MD, *United States Air Force Academy*

7:55 am-8:00 am 4 - Immediate Weight-Bearing after Modified-Brostrom Reconstruction: An Accelerated Rehab Protocol
LTC Kevin D. Martin, DO, Ohio State University College of Medicine

8:00 am-8:05 am 12 - Empowering Recovery: Enhancing Patient Preparedness and Education Post-Anterior Cruciate Ligament Injury
LTC David J. Tennent, MD, Brooke Army Medical Center

8:05 am-8:10 am 40 - Assessment of Postoperative Fitness after Hip Arthroscopy in a Military Population
LCDR Jasmine A. Scott, MD, JD, Naval Medical Center San Diego

8:10 am-8:15 am 278 - Weight-Bearing vs. Non-Weight-Bearing Functional Rehabilitation Protocols for Nonoperative Achilles Tendon Ruptures
CPT Hannah N. Imlay, MD, Tripler Army Medical Center

8:15 am-8:20 am Discussion

8:20 am-8:25 am 107 - Difficulties in Open Fracture Management in Mass Casualty Scenarios
Major Abigail Bainbridge, MBChB, BSC (Hons), Defence Medical Deanary

8:25 am-8:30 am 171 - Effect of Education on Administration of Upper Extremity Outcome Measures
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center

8:30 am-8:35 am 249 - Compressive Cryotherapy vs. Ice after Hip Arthroscopy: Randomized Controlled Trial
LCDR Scott Feeley, MD, Walter Reed National Military Medical Center

8:35 am-8:40 am 50 - Namaste: A Prospective Study on Yoga for Anterior Knee Pain
Stephanie Price, MD, MPH, UT Dell Medical School

8:40 am-8:45 am Discussion

8:45 am – 9:05 am *Break with Exhibitors (Symphony Ballroom I & II)*

Concurrent Session 4A: Panel Discussion: Post Resection Reconstruction/Hip Knee/Trauma Combo Joint/Oncology (*Symphony Ballroom III*)

Moderator: MAJ Sean P. Kelly, MD, *Tripler Army Medical Center*

9:05 am-9:50 am Panel Discussion
Panel: *Maj Fortune Egbulefu, MD, Nellis Air Force Base*
Joshua M. Lawrenz, MD, MSCI, Vanderbilt University Medical Center
H. Thomas Temple, MD, University of Miami Miller School of Medicine

Concurrent Session 4B – Rapid Fire: Lower Extremity Trauma (*Black Bird*)

Moderators: Michael Beltran, MD, *University of Cincinnati College of Medicine*
MAJ Michael Polmear MD, *William Beaumont Army Medical Center*

9:05 am-9:09 am 162 - Minimally Invasive Flexible Fixation of Lisfranc Injuries
LT Vivek M. Abraham, MD, Naval Medical Center Portsmouth

9:09 am-9:13 am 207 - Development of 3D-Printed Orthopaedic Orthoses for the Austere, Deployment Environment: A Field Exercise
CPT Brooke Kowalski, MD, Madigan Army Medical Center

9:13 am-9:17 am 224 - Athletes Demonstrate Superior Outcomes after Kidner Procedure for Accessory Navicular
CPT David Fogg, MD, William Beaumont Army Medical Center

9:17 am-9:21 am 102 - Intramedullary Tibial Nailing on Traction vs. Free Hand: A Retrospective Review
Flt Lt David C. Cain, MB, ChB, MRCS, Royal Centre for Defence Medicine

9:21 am-9:25 am Discussion

9:25 am-9:29 am 180 - Somatosensory Reprogramming Linked to Chronic Pain Post-Lower Extremity Fracture Surgery
William M. Charlton, BS, University of Kentucky

9:29 am-9:33 am 104 - Can Trauma Radiographs Predict Canal Diameter in Tibial Shaft Fractures?
Daniel E. Marks, MD, MS, University of Chicago Medical Center

9:33 am-9:37 am 145 - Tibial Nail Size and Canal Ratio: Effects on Postoperative Outcomes
Solomon T. Egbe, BA, University of Chicago Medicine

9:37 am-9:41 am 103 - Plate Nail Constructs for Complex Proximal Tibia Fractures
Daniel E. Marks, MD, MS, University of Chicago Medical Center

9:41 am-9:45 am 142 - Interlocking Screw Configuration's Impact on Internally-Fixed Tibial Shaft Fractures

Solomon T. Egbe, BA, University of Chicago Medicine

9:45 am-9:50 am Discussion

Concurrent Session 4C – Rapid Fire: Practice Management (*Ocean Way*)

Moderators: Lt Col Kimberly K. Broughton, MD, *Eglin Air Force Base*
MAJ Liang Zhou, MD, *Walter Reed National Medical Center*

- 9:05 am-9:09 am 11 - Analyzing Obesity and Age in Predicting Lower Extremity Compartment Syndrome
Jonathan J. Light, MD, Albany Medical College Orthopedic Surgery Residency
**Presented by Jana Davis, MD*
- 9:09 am-9:13 am 34 - A Comprehensive Analysis of Trends in NFL Medical Malpractice Lawsuits
2LT Kaitlynn Littleford, BS, University of Tennessee Health Science Center
- 9:13 am-9:17 am 36 - Life- and Limb-Threatening Injuries: A Framework for Orthopaedic Surgeons
CPT Joshua A. Hansen, MD, William Beaumont Army Medical Center
- 9:17 am-9:21 am 125 - Peripheral Nerve Blocks Decrease Opioid Consumption in Acute Tibial Shaft Fractures
CPT Umar A. Khan, MD, Walter Reed National Military Medical Center
- 9:21 am-9:25 am Discussion
- 9:25 am-9:29 am 144 - Associations of Trauma Fellowship Training with Tibial Shaft Fracture Outcomes
Solomon T. Egbe, BA, University of Chicago Medicine
- 9:29 am-9:33 am 178 - Noise Levels in the Orthopaedic Operating Room
LT Kyle Wieschhaus, MD, Naval Medical Center Portsmouth
- 9:33 am-9:37 am 174 - Carboxyhemoglobin Level Feedback Enhances Readiness to Quit Smoking in Orthopaedic Trauma Patients
William M. Charlton, BS, University of Kentucky
- 9:37 am-9:41 am 108 - Orthopaedic Surgery Bootcamp for Sub-Interns
LTC Daniel J. Song, MD, Brooke Army Medical Center
**Presented by CPT Daniel D. Homeier, MD*
- 9:41 am-9:45 am 173 - Novel Method of Delivering Consistent Patient Education in Pediatric Orthopaedics
LT Vivek M. Abraham, MD, Naval Medical Center Portsmouth
- 9:45 am-9:50 am Discussion

Concurrent Session 4D – Rapid Fire: Shoulder (*Sound Emporium*)

Moderators: LCDR Sarah Nelson, MD, MS, *Alexander T. Augusta Military Medical Center*
CDR Chuck T. Smark, MD, *National Hospital Camp Pendleton*

- 9:05 am-9:09 am 70 - Bankart Remplissage Outcomes at Minimum Five-Year Follow-Up: A Systematic Review
Capt Patrick J. Tansey, MD, University of Texas Medical Branch
- 9:09 am-9:13 am 21 - Five-Year Outcomes of Three Glenoid Components in TSA
LT Andrew D. Lachance, MD, Guthrie Clinic
- 9:13 am-9:17 am 187 - Revision Posterior Labral Repair in Active-Duty Military Patients is Associated with Less Favorable Outcomes When Compared to Primary Procedures at Minimum Five-Years Follow-Up
CPT Amy Thompson, MD, William Beaumont Army Medical Center
- 9:17 am-9:21 am 231 - Risk Factors Associated with 30-Day Inpatient Mortality after Shoulder Arthroplasty
Eve R. Glenn, BSc, Johns Hopkins University School of Medicine
- 9:21 am-9:25 am Discussion
- 9:25 am-9:29 am 136 - Outcomes after Glenoid Microfracture with and without Rotator Cuff Repair
CPT Alexis B. Sandler, MD, William Beaumont Army Medical
- 9:29 am-9:33 am 234 - Characteristics of Younger Than 50-Year-Old Revision Rotator Cuff Repair Cohort
2LT Chase R. Schulte, BS, Uniformed Services University of Health Sciences
- 9:33 am-9:37 am 235 - Arthroscopic Subacromial Balloon Spacer for Massive Rotator Cuff Tears with Minimum 5-Year Follow-Up
LCDR Sarah Nelson, MD, MS, Walter Reed National Military Medical Center
**Presented by 2LT Catherine G. Meyer, BS*
- 9:37 am-9:41 am 252 - Systematic Review of Distal Humerus Fractures - Comparison of Articular Exposure
CPT Annette Yoon, MD, William Beaumont Army Medical Center
- 9:41 am-9:45 am 276 - The Impact of Age on Revision Reverse Shoulder Arthroplasty
ENS Collin P. Todd, BS, Ohio State University College of Medicine
- 9:45 am-9:50 am Discussion
- 9:50 am – 10:10 am *Break with Exhibitors (Symphony Ballroom I & II)*

Special Session 2 – Diversity in Orthopaedics (*Symphony Ballroom III*)

Moderator: LCDR Marvin E. Dingle, MD, *US Naval Hospital Okinawa, Japan*

10:10 am-10:30 am Creating a Culture of Inclusivity
William N. Levine, MD, Columbia University Medical Center

10:30 am-11:00 am Panel Discussion (*1 PPT from Moderator*)
Panel: *Maj Fortune Egbulefu, MD, Nellis Air Force Base*
William N. Levine, MD, Columbia University Medical Center
CDR Jennifer L. Smith, MD, Naval Medical Center San Diego

Symposium 8 – Upper Extremity/Shoulder/Elbow (*Symphony Ballroom III*)

Moderator: Lance E. LeClere, MD, *Vanderbilt University Medical Center*

11:05 am-11:25 am Partial Rotator Cuff Tear
William N. Levine, MD, Columbia University Medical Center

11:25 am-11:45 am Management of the Young Degenerative Shoulder
Jed Kuhn, MD, MS, Vanderbilt University Medical Center

11:45 am-11:50 am Discussion

11:55 am-12:55 pm **Focused Lunch Presentations** (*Ocean Way, Sound Emporium, Southern Ground, Black Bird*)
**CME Credit not available*

Symposium 9 – Hand Trauma - Jamie Dianne Bulken-Hoover Memorial (*Symphony Ballroom III*)

Moderator: LTC David J. Wilson, MD, *Brooke Army Medical Center*

12:55 pm-1:20 pm Anatomy if Power: Making Reconstructing Upper Extremity Trauma Reproducible
Joseph R. Hsu, MD, Atrium Health Musculoskeletal Institute

1:20 pm -1:45 pm Forearm Instability
Jorge Orbay, MD, The Miami Hand & Upper Extremity Institute

1:45 pm -1:55 pm Discussion

Concurrent Session 5A – Hand and Elbow (*Symphony Ballroom III*)

Civilian Moderators: Julie A. Katarincic, MD, *Brown University Orthopedics*
Jorge Orbay, MD, *The Miami Hand & Upper Extremity Institute*

Military Moderator: LTC David J. Wilson, MD, *Brooke Army Medical Center*

2:00 pm-2:05 pm 160 - Return to Duty Rates following Surgical Management of Kienbock's Disease
LT Evan D. Crawford, DO, Naval Medical Center Portsmouth

- 2:05 pm-2:10 pm 161 - Managing Major Peripheral Nerves in Forearm Level Amputations with TMR and RPNI—What’s the Best Recipe?
Capt Samuel L. Posey, MD, Atrium Health Musculoskeletal Institute
- 2:10 pm-2:15 pm 220 - Clavicle Fracture Fixation: Does the Number of Plates Matter?
CPT Anthony N. Gavallas, MD, William Beaumont Army Medical Center
- 2:15 pm-2:20 pm 193 - Functional Outcomes of Operatively Managed Carpometacarpal Joint Injuries
LT Thomas J. Berault, MD, Naval Medical Center Portsmouth
- 2:20 pm-2:25 pm 218 - A Multi-Center Comparison of Upper-Extremity Gunshot vs. Explosion Injuries in the 2023 Israel-Gaza War
Capt (Ret) Dan Prat, MD, Chaim Sheba Medical Center Israel
- 2:25 pm-2:30 pm Discussion
- 2:30 pm-2:35 pm 228 - Upper Extremity Gunshot Injuries: Rate and Risk Factors for Nonunion
Charles Liu, BS, University of Illinois College of Medicine at Chicago
- 2:35 pm-2:40 pm 244 - Safe Zones and Risks in First Metacarpal Antegrade Intramedullary Fixation
CPT Mason Adams, DO, Brooke Army Medical Center
- 2:40 pm-2:45 pm 258 - Push-Up Functional Outcomes after Scaphoid Fixation in a Military Population
LT Peter E. Baglien, DO, Naval Medical Center San Diego
- 2:45 pm-2:50 pm 259 - Ballistic Distal Radius Fractures: Differences in Management and Outcomes
Kanad Ghosh, MD, Pritzker School of Medicine
- 2:50 pm-2:55 pm 279 - Outcomes following Arthroscopic Marrow Stimulation for the Treatment of Capitellum Osteochondritis Dissecans
CPT Patrick W. Rooney, MD, Madigan Army Medical Center
- 2:55 pm-3:00 pm Discussion
- Concurrent Session 5B – Shoulder (Black Bird)**
Civilian Moderators: William N. Levine, MD, *Columbia University Medical Center*
Jed Kuhn, MD, MS, *Vanderbilt University Medical Center*
Military Moderator: MAJ John P. Scanaliato, MD, *William Beaumont Army Medical Center*
- 2:00 pm-2:05 pm 135 - Robotic vs. Patient Specific Guides for Glenoid Preparation in Reverse Shoulder Arthroplasty
COL (Ret) Patrick St. Pierre, MD, MC, Desert Orthopedic Center

- 2:05 pm-2:10 pm 52 - Outcomes of Knotted vs. Knotless Anchors after Arthroscopic Labral Repair
CPT Rebecca McAllister, MD, Tripler Army Medical Center
- 2:10 pm-2:15 pm 133 - Factors Influencing Return to Duty following Rotator Cuff Repair
CPT John K. McNamara, MD, William Beaumont Army Medical Center / Texas Tech
- 2:15 pm-2:20 pm 15 - Revision Shoulder Arthroscopy and Arthroplasty Culture Positivity: A Retrospective Cohort Study
James S. MacLeod, BS, Medical College of Wisconsin
- 2:20 pm-2:25 pm 8 - Arthroscopically-Treated Posterior Instability Patients Experience Fewer Instability Events Yet More Commonly Require Concomitant Anterior Labral Repair When Compared to Anterior Instability Patients
Justin J. Ernat, MD, University of Utah Health
- 2:25 pm-2:30 pm Discussion
- 2:30 pm-2:35 pm 48 - Prior Ipsilateral Shoulder Surgery Results in Inferior Outcomes following rTSA
MAJ John P. Scanaliato, MD, William Beaumont Army Medical Center
- 2:35 pm-2:40 pm 152 - Biceps Tenotomy vs. Tenodesis Outcomes in Active Patients Under 50
Christopher G. Bacak, MD, William Beaumont Army Medical Center
- 2:40 pm-2:45 pm 185 - Revision Posterior Labral Repair in Active-Duty Military Patients is Associated with Less Favorable Outcomes When Compared to Primary Procedures at Minimum Five-Years Follow-Up
CPT Amy Thompson, MD, William Beaumont Army Medical Center
- 2:45 pm-2:50 pm 253 - There is no Difference Between Arthroscopic Bankart with Remplissage and Open Latarjet in Patients with Subcritical Bone Loss
CPT Christian Cruz, MD, Tripler Army Medical Center
- 2:50 pm-2:55 pm 271 - Evaluating Shoulder Surgery Outcomes in Seizure Patients with Instability
ENS Collin P. Todd, BS, Ohio State University College of Medicine
- 2:55 pm-3:00 pm Discussion
- 3:00 pm-3:10 pm *Refreshment Break (Symphony Ballroom Foyer)*

Panel Discussion 3: Hand and Elbow (*Symphony Ballroom III*)

Moderator: LTC David J. Wilson, MD, *San Antonio Military Medical Center*

- 3:15 pm -4:00 pm Panel Discussion
Panel: *Julie A. Katarincic, MD, Brown University Orthopedics*

Joseph R. Hsu, MD, Atrium Health Musculoskeletal Institute

Concurrent Panel Discussion 4A – Transition to Civilian Practice (*Symphony Ballroom III*)

Moderator: Lance LeClere, MD, Vanderbilt Sports Medicine

4:05 pm-5:15 pm Panel Discussion *(1 PPT from Moderator)*
Panel: COL (Ret) Matthew A. Posner, MD, Wellspan Health
Col (Ret) Chance J. Henderson, MD, Colorado Center of
Orthopaedic Excellence
James A. Blair, MD, FACS, Emory University at Grady Memorial
Hospital

Concurrent Panel Discussion 4B – Transition to Independent Military Practice (*Black Bird*)

Moderator: MAJ Alfred J. Pisano, MD, Walter Reed National Military Medical Center

4:05 pm-5:15 pm Panel Discussion
Panel: Maj Joshuea Cameron, MD, San Antonio Military Medical Center
LCDR John T. Richards, MD, Naval Medical Center Camp
Lejeune
Lt. Col Ian S. Tuznik, MD, Travis Air Force Base *(Only PPT)*

Thursday, December 12 - Warren Kadrmas Memorial Sports Day

6:00 am-7:00 am **Motion Committee Meeting** (*Melody Room*)

6:30 am-4:15 pm **Meeting Registration** (*Symphony Ballroom Foyer*)

6:30 am-8:00 pm **Speaker Ready Area** (*Green Room*)

6:30 am-7:30 am **Scientific E-Poster Session** (Presenters will be available to answer questions.) (*Sound Emporium*)

Concurrent Symposium 10A – Sports Knee (*Symphony Ballroom III*)

Moderator: LTC Ronald P. Goodlett, MD, Womack Army Medical Center

7:30 am-7:50 am Management of Cartilage Defects in the Young, Active Knee
Cassandra A. Lee, MD, UC Davis Health

7:50 am-8:10 am ACL/Meniscus
*Brian R. Waterman, MD, Atrium Health Wake Forest Baptist / Wake
Forest University School of Medicine*

8:10 am-8:20 am Discussion

Concurrent Symposium 10B – Oncology (*Black Bird*)

Moderator: MAJ Sean P. Kelly, MD, Tripler Army Medical Center

7:30 am-7:50 am The Use of Brachytherapy to Expand the Indications for Limb Salvage

H. Thomas Temple, MD, University of Miami Miller School of Medicine

7:50 am-8:10 am Do Lower Extremity Endoprostheses Performed for Tumor, Arthroplasty or Trauma have the Same Fate?
Joshua M. Lawrenz, MD, MSCI, Vanderbilt University Medical Center

8:10 am-8:20 am Discussion

Concurrent Session 7A – Sports Knee (Symphony Ballroom III)

Civilian Moderators: Cassandra A. Lee, MD, UC Davis Health
Brian R. Waterman, MD, Atrium Health Wake Forest Baptist / Wake Forest University School of Medicine

Military Moderator: LTC Ronald P. Goodlett, MD, Womack Army Medical Center

8:25 am-8:30 am 6 - Tibial Tubercle Osteotomy in Adult Patients does not Change Patellar Height or Patellar Tendon Length
Justin J. Ernat, MD, University of Utah Health

8:30 am-8:35 am 10 - High-Energy and Polytraumatic Multiligament Knee Injuries More Commonly Involve the LCL and PCL vs. Low-Energy or Isolated Injuries
Justin J. Ernat, MD, University of Utah Health

8:35 am-8:40 am 17 - Suture and Anchor Constructs Provide Enhanced Tibial Spine Fracture Fixation
ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine

8:40 am-8:45 am 25 - Surgical Outcomes of Proximal vs. Distal Patella Tendon Ruptures
LT Karolina A. Serhan, MD, Naval Medical Center Portsmouth

8:45 am-8:50 am Discussion

8:50 am-8:55 am 115 - Patella Alta is a Prognostic Indicator following Tibial Tubercle Osteotomy
CPT Patrick C. Mayolo, MD, Tripler Army Medical Center

8:55 am-9:00 am 214 - Smaller Width Quadriceps Tendon Grafts Maintain Advantageous Biomechanical Properties for ACL Reconstruction
LT Richard C. Lee, MD, Walter Reed National Military Medical Center
**Presented by LT Conor F. McCarthy, MD*

9:00 am-9:05 am 266 - Femoroacetabular Impingement: Return to Duty Rates and Postoperative Outcomes
CPT Alexys Bermudez, MD, Tripler Army Medical Center

9:05 am-9:10 am 268 - Transosseous Tunnels vs. Suture Anchors for Quadriceps Tendon Repair
LT Conor F. McCarthy, MD, Walter Reed National Military Medical Center

9:10 am-9:15 am Discussion

Concurrent Session 7B – Oncology (Black Bird)

Civilian Moderators: Joshua M. Lawrenz, MD, MSCI, *Vanderbilt University Medical Center*
H. Thomas Temple, MD, *University of Miami Miller School of Medicine*

Military Moderator: MAJ Sean P. Kelly, MD, *Tripler Army Medical Center*

8:25 am-8:30 am 20 - Pediatric Bone Sarcoma Biopsy Tract Excision: Is it Safe to Resect Separately?
MAJ Michael D. Eckhoff, MD, William Beaumont Army Medical Center

8:30 am-8:35 am 31 - Sociodemographic Factors' Effects on Transfemoral Osseointegration Patient Reported Outcomes
Kara Churovich, BS, MPH, Henry M. Jackson Foundation for the Advancement of Military Medicine

8:35 am-8:40 am 92 - Incidence Rates of Soft Tissue Sarcoma among U.S. Military Servicemen: Comparison with the Rates in the General U.S. Population
LCDR Ashley B. Anderson, MD, Walter Reed National Military Medical Center

8:40 am-8:45 am 132 - Utilization of Cement Injection in Cadaveric Specimens for Simulation of Surgical Wide Resection in Orthopaedic Oncology
LT Cord J. Peters, MD, Naval Medical Center Portsmouth
**Presented by Erika Dopson, BS*

8:45 am-8:50 am Discussion

8:50 am-8:55 am 158 - Cryopreservation and Cultivation of Giant Cell Tumor of Bone
CPT Jonah M. Liwag, MD, Tripler Army Medical Center

8:55 am-9:00 am 186 - Investigating Malignancies Associated with Orthopedic Implants: A Scoping Review
ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine

9:00 am-9:05 am 223 - Thighplasty for Transfemoral Amputations With and Without Osseointegration: Complication Rates
LT Hannah Gibbs, MD, Walter Reed National Military Medical Center

9:05 am-9:10 am 265 - PET-CT Analysis of Peri-Implant Infections in Patients with Explanted Osseointegration Devices
CPT Sarah Rabin, MD, MS, Walter Reed National Military Medical Center

9:10 am-9:15 am Discussion

9:15 am-9:25 am *Refreshment Break (Symphony Ballroom Foyer)*

Concurrent Session 8A – Panel Discussion: Management of Complex Knee (*Symphony Ballroom III*)

Moderator: MAJ Shawn M. Gee, MD, *Keller Army Community Hospital*

9:30 am-10:20 am Panel Discussion

Panel: *Major Aaron E. Barrow, MD, Eglin Air Force Base*
LTC Michael Donohue, MD, Keller Army Community Hospital
Cassandra A. Lee, MD, UC Davis Health
Brian R. Waterman, MD, Atrium Health Wake Forest Baptist /
Wake Forest University School of Medicine

Concurrent Session 8B – Spine (*Black Bird*)

Civilian Moderators: LTC (Ret) Eugene Carragee, MD, *West Stanford University*
Byron F. Stephens MD, *Vanderbilt University Medical Center*

Military Moderator: LTC J. Matthew Cage, DO, *Tripler Army Medical Center*

9:30 am-9:35 am 58 - Surgical Correction of the Lumbosacral Hemicurve in Adult Scoliosis
Michael Czulinski, DO, University of Minnesota

9:35 am-9:40 am 60 - Reliability of Planned vs. the Actual Iliosacral Screw Trajectory using
Intra-operative 3D CT and Image Guidance
Vasil Kukushliev, MD, University of Minnesota
**Presented by COL (Ret) David W. Polly, MD*

9:40 am-9:45 am 62 - Functional Outcomes after Lumbar Microdiscectomy in the US
Military
LT Harrison Diaz, MD, Naval Medical Center San Diego

9:45 am-9:50 am 93 - Intraoperative Neuromonitoring Has Poor Correlation with Postop
Neurological Deficits in Non-Cord Level Adult Deformity Surgery
COL (Ret) David W. Polly, MD, University of Minnesota

9:50 am-9:58 am Discussion

9:58 am-10:03 am 94 - The Dreaded False Negatives - When Intraoperative Neuromonitoring
(IONM) Fails to Detect Neural Deficits Associated with Complex, Non-
Cord-Level Spinal Deformity Corrections
COL (Ret) David W. Polly, MD, University of Minnesota

10:03 am-10:08 am 99 - Effect of Surgical Approach on Outcomes and Complications for
Thoracolumbar Burst Fractures: A Systematic Review
*2LT Alexandros Cherry, BS, Uniformed Services University of the Health
Sciences*

10:08 am-10:13 am 211 - Craniocervical Dissociation Injuries: Predicting Survival and
Neurologic Outcomes.
Ryan Price, MD, University of New Mexico

10:13 am-10:20 am Discussion

Concurrent Session 8C – Rapid Fire: Pediatrics (*Ocean Way*)

Moderators: LCDR Nicholas Lopreiato, MD, *Walter Reed National Military Medical Center*
MAJ Joshua Tadlock, MD, *Brooke Army Medical Center*

- 9:30 am-9:34 am 3 - Prevalence of Acute Compartment Syndrome in Pediatric Tibial Tubercle Fractures
2d Lt Natalia Pluta, BS, MS, Uniformed Services University of the Health Sciences
- 9:34 am-9:38 am 16 - Outcomes in Pediatric Proximal Both Bone Fractures: A Systematic Review
2LT Nathan R. McKenzie, BSc, University of Oklahoma College of Medicine
- 9:38 am-9:42 am 28 - Suture Anchor Fixation of the Pediatric Posterior Meniscotibial Ligament Complex
ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine
- 9:42 am-9:46 am 116 - Comparative Analysis of Operative vs. Nonoperative Management of Acute Pediatric Monteggia Fractures
CPT Vidushan Nadarajah, MD, University of Virginia
- 9:46 am-9:53 am Discussion
- 9:53 am-9:57 am 126 - Harnessing Neural Networks to Predict Postoperative Complications in Pediatric Arthroplasty
Roxana Martinez, MD, University of Virginia
- 9:57 am-10:01 am 183 - Impact of Adolescent Idiopathic Scoliosis on Curve Progression in Pregnancy
LT Karolina A. Serhan, MD, Naval Medical Center Portsmouth
- 10:01 am-10:05 am 194 - Clinical and Radiographic Outcomes of Magnetic Limb Lengthening: Efficacy of Intramedullary Limb Lengthening Nail
Mohammed A. Pourghaed, MD, William Beaumont Army Medical Center
- 10:05 am-10:09 am 208 - Atypical Presentation of Patella Osteonecrosis after Knee Arthroscopy: A Case Report and review of the Literature
CPT Brandon H. Chung, DO, William Beaumont Army Medical Center
**Presented by CPT Cole Patrick, MD*
- 10:09 am-10:13 am 216 - Partial Avulsion Patterns in the Pediatric Humeral Medial Epicondyle
LT Richard C. Lee, MD, Walter Reed National Military Medical Center
**Presented by CPT Sarah Rabin, MD, MS*

10:13 am-10:20 am Discussion

Concurrent Session 8D – Rapid Fire: Trauma (*Sound Emporium*)

Moderators: MAJ James Burgess, MD, *Womack Army Medical Center*

LTC Justin Fowler, MD, *Brooke Army Medical Center*

- 9:30 am-9:34 am 73 - Revision-Free Survival following Femoral Neck Fracture Fixation in Young Adults
LT Nicholas M. Panarello, MD, Walter Reed National Military Medical Center
- 9:34 am-9:38 am 86 - Heavy Metals and Gunshot Orthopaedic Injuries: Fact or Folklore?
Alana Lay-Phillips, BS, University of Chicago
**Presented by Jason Strelzow, MD*
- 9:38 am-9:42 am 119 - Dual Plate Fixation vs. Nonoperative Long-Term Patient Reported Outcomes
CPT David Fogg, MD, William Beaumont Army Medical Center
- 9:42 am-9:46 am 124 - Does the Timing, Type, and Method of Flap Coverage after Open Tibia Fracture Fixation Influence the Rate of Deep Infection?
CPT Umar A. Khan, MD, Walter Reed National Military Medical Center
- 9:46 am-9:50 am 175 - The Use of Negative Pressure Wound Therapy (NPWT) in the Treatment of Military Blast Wounds/High-Velocity Gunshot Wounds
Mykyta Tomilin, MD, Henry Ford Hospital
- 9:50 am-9:54 am 159 - Anterior Internal of Unstable Pelvis Fractures Compared with External Fixation was Associated with Home Discharge, Shorter Length of Stay, and Lower Hospital Charges
Joseph T. Patterson, MD, Keck School of Medicine of University of Southern
- 9:54 am-9:57 am Discussion
- 9:57 am-10:01 am 285 - Outcomes of Distal Tibial Fracture Intramedullary Nailing with vs. without Adjuvant Plating: A Retrospective Analysis
CPT Dexter Allen MD, University of Texas Medical Branch
- 10:01 am-10:05 am 217 - Comparative Analysis of Lower Extremity Injuries in Gunshot vs. Explosive Trauma during the Swords of Iron War
Capt (Ret) Dan Prat, MD, Chaim Sheba Medical Center Israel
- 10:05 am-10:09 am 245 - Comparing Extra-Articular and Articular Lower Extremity Fractures to 12-Month Performance Outcomes
William M. Charlton, BS, University of Kentucky
- 10:09 am-10:13 am 261 - High Risk Hip Fracture Patients: Does Medical Co-management Improve Outcomes?

Capt Stephen R. Barchick, MD, University of Pennsylvania

10:13 am-10:17 am 264 - Intraoperative Lactate: Predicting Post-Surgical Complications in Traumatic Orthopedic Cases
Sai K. Reddy, BS, University of Chicago Pritzker School of Medicine

10:17 am-10:20 am Discussion

Concurrent Symposium 11A – Sports Shoulder (*Symphony Ballroom III*)

Moderator: Maj Travis J. Dekker, MD, *United States Air Force Academy*

10:25 am-10:45 am Treatment of Biceps Labral Complex Disorders
Robin West, MD, Inova Medical Group

10:45 am-11:05 am Posterior Labral Tears
Robert A. Arciero, MD, UCONN Health

11:05 am-11:15 am Discussion

Concurrent Symposium 11B – Spine (*Black Bird*)

Moderator: LTC Keith Jackson, MD, *Eisenhower Army Medical Center*

10:25 am-10:45 am Return to Contact Sport after Cervical Spine Surgery
LTC (Ret) Eugene Carragee, MD, Stanford University

10:45 am-11:05 am Athletic Participation in the Setting of Congenital Cervical Stenosis
Byron F. Stephens, MD, Vanderbilt University Medical Center

11:05 am-11:15 am Discussion

11:20 am-11:35 am **Business Meeting** (*Symphony Ballroom III*)

**CME Credit not available*

Panel Discussion 5 – Complex Shoulder (*Symphony Ballroom III*)

Moderator: Lt Col Andrew J. Sheean, MD, *Brooke Army Medical Center*

11:40 am-12:30 pm Panel Discussion

Panel: *Robert A. Arciero, MD, UCONN Health*

Jed Kuhn, MD, MS, Vanderbilt Sports Medicine

William N. Levine, MD, Columbia University Medical Center

Robin West, MD, Inova Medical Group

12:35 pm -1:35 pm **Focused Lunch Presentations** (*Ocean Way, Sound Emporium, Southern Ground, Black Bird*)

**CME Credit not available*

General Session 9 – International Collaboration (*Symphony Ballroom III*)

Moderator: COL (Ret) James R Ficke, MD, *Johns Hopkins Medicine*

1:40 pm - 2:10 pm From the Battlefield to the Operating Theatre: Update to Allied Military Surgical Care
Speakers TBD

Best of SOMOS – Award Presentations (*Symphony Ballroom III*)

Moderators: LTC Daniel J. Song, MD, *Walter Reed National Military Medical Center*
LTC David J. Tennent, MD, *Brooke Army Medical Center*

2:15 pm - 2:21 pm **Founders' Award**
80 - Distance to Dislocation and Recurrent Shoulder Instability following Latarjet
LCDR Scott Feeley, MD, Walter Reed National Military Medical Center

2:21 pm - 2:27 pm **Norman T. Kirk Award**
26 - Do Tourniquets Affect the Postoperative Interstitial Concentrations of Cefazolin in Closed Foot and Ankle Fractures Undergoing Open Reduction and Internal Fixation? A Prospective Observational Study
CPT Erik Hegeman, MD, Brooke Army Medical Center

2:27 pm - 2:33 pm **Jamie Dianne Bulken-Hoover Memorial - Best Hand Paper Award**
164 - CTR Using Ultrasound Guidance: Two-Year RCT Outcomes within MHS
Marin Smith, DPT, Walter Reed National Military Medical Center

2:33 pm - 2:39 pm **Best Spine Paper Award**
121 - Lumbar Facet Arthroplasty: Four-Year Outcomes for Treatment of Spondylolisthesis
Kristin A. Keith, DO, Baylor Scott and White Health

2:39 pm - 2:45 pm Discussion

Panel Discussion 6 – Allgood Award Winners (*Symphony Ballroom III*)

2:45 pm – 2:55 pm Presentation of Allgood Award

2:55 pm – 3:45 pm Panel Discussion
Panel: *COL (Ret) James R. Ficke, MD, Johns Hopkins Medicine*
COL (Ret) Mark P. Pallis, DO, Geisinger Musculoskeletal Institute
Col (Ret) Dean Taylor, MD, Duke University

3:50 pm - 5:00 pm **Speed Mentoring Session** (*Black Bird*)
Moderators: CDR (Ret) James R. Bailey, MD, *Ryu Hurvitz Orthopaedic Clinic*
LTC Joseph L. Petfield, MD, *Penn State Bone and Joint Institute*
CAPT Scott Tintle, MD, *Walter Reed National Military Medical Center*

*CME Credit not available

Friday, December 13

- 6:00 am-11:45 am **Speaker Ready Area** (*Green Room*)
- 6:30 am-11:45 am **Meeting Registration** (*Symphony Ballroom Foyer*)
- 7:00 am-8:00 am **Service Breakouts**
 Army (*Symphony Ballroom III*)
 Air Force (*Sound Emporium*)
 Navy (*Black Bird*)
- 8:00 am-9:00 am **Program Directors Meeting** (*Southern Ground*)

Symposium 12 – Dysplastic Hip Preservation (*Symphony Ballroom III*)

Moderator: LTC Christina Hylden, MD, *Blanchfield Army Community Hospital*

- 8:00 am-8:15 am Adult Hip Dysplasia for the General Orthopedist: Diagnosis, Patient Selection, and PAO Outcomes in the Military
CDR Brian T. Barlow, MD, Naval Hospital Rota
- 8:15 am-8:30 am Hip Dysplasia in the Athlete: There is Hope with the Scope
Robert L. Parisien, MD, Mount Sinai Health System
- 8:30 am-8:45 am Dysplasia in Arthroplasty: Recognize the Challenges to Win the Day
LTC Joseph H. Dannenbaum IV, MD, Madigan Army Medical Center
- 8:45 am-9:00 am Discussion

Concurrent Session 10A – Pediatric and Hip (*Symphony Ballroom III*)

Civilian Moderator: J.W. Thomas Byrd, MD, *Nashville Hip Institute at TOA*

Military Moderator: LTC Christina Hylden, MD, *Blanchfield Army Community Hospital*

- 9:05 am-9:25 am Unlocking the Mysteries of Non-Arthritic Hip Disorders: A Comprehensive Team Approach
J.W. Thomas Byrd, MD, Nashville Hip Institute at TOA
- 9:25 am-9:30 am 29 - Pediatric Cadaveric Study of the Sagittal Patellar Insertion of the MPFL
ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine
- 9:30 am-9:35 am 83 - Arthroscopic Hip Surgery in a Military Population: Patient Reported Outcomes Reliably Improve Over the First Six Months
CDR Brian T. Barlow, MD, Naval Hospital Rota
- 9:35 am-9:40 am 197 - PAO Allows 75% Return to Duty Rate at Mean Two-Year Follow-Up
LCDR Vanna Rocchi, DO, Naval Medical Center Portsmouth
- 9:40 am-9:45 am 246 - Two-Year PROMs following Mini-Open Gluteus Medius Tendon Repair

CPT James A. Albright, MD, ScM, Brooke Army Medical Center

9:45 am-9:50 am 281 - Investigating Factors That Can Be Associated with a Positive Trendelenburg Test Among Adolescent Hip Dysplasia Patients
CPT Anthony J. Magee, MD, Tripler Army Medical Center

9:50 am-9:55 am Discussion

Concurrent Session 10B – Board Prep Introduction (*Black Bird*)

Moderator: LTC Daniel Kang, MD, *Madigan Army Medical Center*

9:05 am-9:55 am *LCDR Ashley Anderson, MD, Walter Reed National Military Medical Center*
MAJ Mitch Harris, MD, Blanchfield Army Community Hospital
LCDR Benjamin W. Hoyt, MD, Great Lakes NRTC/Lovell FHCC

9:55 am-10:05 am *Refreshment Break (Symphony Ballroom Foyer)*

Symposium 13 – Pediatrics for the On Call Doc (*Symphony Ballroom III*)

Moderator: LTC Joseph L. Petfield, MD, *Penn State Bone and Joint Institute*

10:05 am-10:35 am Pediatric Fractures for the General Orthopaedic Surgeon: A Case-Based Presentation
Jonathan G. Schoenecker, MD PhD, Vanderbilt University Medical Center

10:35 am-10:45 am: Discussion

Rapid Fire Session 2B – Sports (*Black Bird*)

Moderators: CDR (Ret) James R. Bailey, MD, *Ryu Hurvitz Orthopaedic Clinic*
MAJ Buddy Yow, MD, *Eisenhower Army Medical Center*

10:50 am-10:54 am 7 - Thigh Muscle Volume Remains Persistently Decreased at a Minimum 5-Year Follow-Up after Bone Patellar Tendon Bone Autograft Anterior Cruciate Ligament Reconstruction: An MRI 3D Modeling Evaluation
Justin J. Ernat, MD, University of Utah Health

10:54 am-10:58 am 222 - MRI-Based Quadriceps Muscle Volume Strongly Correlates with Knee Extension Strength in Anterior Cruciate Ligament Reconstruction
Capt Mikalyn T. DeFoor, MD, Brooke Army Medical Center

10:58 am-11:02 am 9 - Glenoid Labrum Tear Size is not Related to the Number of Preoperative Dislocations nor Time from Injury to Surgery in Patients with Shoulder Instability
Justin J. Ernat, MD, University of Utah Health

11:02 am-11:06 am 64 - Biomechanics of Patellar Fixation Techniques in Medial Patellofemoral Ligament Reconstruction

ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine

- 11:06 am-11:10 am 233 - Trends in Surgical Procedures for Shoulder Instability Among Patients with Joint Hypermobility Syndrome
LCDR Sarah Nelson, MD, MS, Walter Reed National Military Medical Center
**Presented by LT Valentina Ramirez, MD*
- 11:10 am-11:17 am Discussion
- 11:17 am-11:21 am 200 - Biomechanical Evaluation of Humeral Torsional Strength following Biceps Tenodesis
CPT Graham Sullivan, MD, Naval Medical Center Portsmouth
- 11:21 am-11:25 am 166 - Incidence of Major Tendon Ruptures Before and after COVID-19 Lockdown
LT Karolina A. Serhan, MD, Naval Medical Center Portsmouth
- 11:25 am-11:29 am 188 - Semitendinosus vs. Semitendinosus Plus Gracilis Grafts for ACL Reconstruction
ENS Thomas Michael Johnstone, BS, Stanford University School of Medicine
- 11:29 am-11:33 am 78 - Graft Resorption following Latarjet in the Military Health System
LCDR Scott Feeley, MD, Walter Reed National Military Medical Center
**Presented by ENS Aidan McQuade, MS*
- 11:33 am-11:37 am 239 - Low-Intensity Continuous Ultrasound with Diclofenac Sodium Enhances Recovery from Sprains and Strains: A Pilot Study
Ralph Ortiz, DO, Walters, Inc.
- 11:37 am-11:45 am Discussion

Rapid Fire Session 2C – Spine (Ocean Way)

Moderators: LTC Daniel Kang, MD, *Madigan Army Medical Center*
Lt Col Bryan K. Lawson, MD, *Brooke Army Medical Center*

- 10:50 am-10:54 am 95-Saving Spinal Cord Function by Using Intra-Operative Monitoring and Rapid Response During Spinal Deformity Surgery
COL (Ret) David W. Polly, MD, University of Minnesota
- 10:54 am-10:58 am 57 - Pelvic Incidence Changes with Adult Deformity Correction
COL (Ret) David W. Polly, MD, University of Minnesota
- 10:58 am-11:02 am 106 - Management of Spinal injury in Mass Casualty events
Maj Helen S. M. Smith, BMBC Ch MA PGCert, Defence Medical Deanery

- 11:02 am-11:06 am 128 - Patterns in Treatment Practice of Nondisplaced Type II Odontoid Fractures
LT Sennay Ghenbot, MD, Walter Reed National Military Medical Center
**Presented by LT Matthew M. O'Hara, MD*
- 11:06 am-11:10 am 113 - Assessing Agreement Among Spine Surgeons in Type II Odontoid Fractures
LT Janse Schermerhorn, MD, Walter Reed National Military Medical Center
- 11:10 am-11:19 am Discussion
- 11:19 am-11:23 am 140 - Spine Surgeon Outperforms Referral Management in Patient Triage, Leading to Higher Surgical Conversion Rates
CPT Anson G. Bautista, MD, Dwight D. Eisenhower Army Medical Center
**Presented by CPT Nolan Villani, MD*
- 11:23 am-11:27 am 148 - Outcomes following Laminoplasty or Laminectomy and Fusion in Smokers: A Systematic Review
CPT John A. Wahl, MD, MS, Tripler Army Medical Center
- 11:27 am-11:31 am 190 - Surgical Treatment Patterns for Cervical Spine Surgery and Peripheral Neuropathy
CPT Cody D. Schlaff, MD, Walter Reed National Military Medical Center
**Presented by 2LT Alexandros Cherry, BS*
- 11:31 am-11:35 am 282 - Efficacy of Alvimopan on Postoperative Ileus after Anterior Lumbar Procedures
Capt Miles W. A. Fisher, MD, Brooke Army Medical Center
- 11:35 am-11:45 am Discussion

Rapid Fire Session 2D – General Trauma (*Sound Emporium*)

Moderators: LCDR Michelle Gosselin, MD, Naval Medical Center San Diego
LCDR John T. Richards, MD, *Naval Medical Center Camp Lejeune*

- 10:50 am-10:54 am 30 - Intraoperative Radiographic Rotational Profile of the Tibia
Sean P. Wrenn, MD, Vanderbilt University Medical Center
**Presented by Ridge Maxson, BS*
- 10:54 am-10:58 am 79 - Treatment Strategies and Outcomes following Femoral Head Fractures
LT Shane A. Kaplan, MD, Walter Reed National Military Medical Center
- 10:58 am-11:02 am 215 - Central Collinear Start Point Decreases Femoral Neck Ultimate Failure Load
LT Richard C. Lee, MD, Walter Reed National Military Medical Center
**Presented by CPT Colin J. Harrington, MD*

- 11:02 am-11:06 am 141 - Predicting Injury Severity after Border Wall Falls
CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center
- 11:06 am-11:10 am 182 - Razom Point-of-Care Ultrasound (POCUS) Training for Frontline Trauma Care in Ukraine
Alexandra Domaradsky, Henry Ford Hospital
**Presented by Oksana Popova, MD*
- 11:10 am-11:17 am Discussion
- 11:17 am-11:21 am 192 - Outcomes after Plating of Inter-prosthetic and Inter-Implant Femur Fractures
Phillip T. Grisdela, MD, Harvard Combined Orthopaedic Residency Program
- 11:21 am-11:25 am 212 - Preoperative Planning for Anterior Pelvis Percutaneous Intramedullary Fixation: A Novel Technique and Case Series
CAPT Patrick M. Wise, MD, University of California, Davis
- 11:25 am-11:29 am 213 - Outcomes of Nonoperative Management of Clavicle Fractures: A Retrospective Study
Capt Cody H. LaRowe, DO, WellSpan York
- 11:29 am-11:33 am 227 - Epidemiology and Associated injuries of Upper Extremity Ballistic Fractures
G. Jacob Wolf, MD, University of Illinois College of Medicine at Chicago
- 11:33 am-11:37 am 277 - Photodynamic Bone Stabilization Use in Lower Extremity Fractures
CPT Andrew R. Cooper, MD, Tripler Army Medical Center
- 11:37 am-11:45 am Discussion
- 11:00 am-12:00 pm **Board of Directors Meeting** (*Southern Ground*)
- 12:00 pm-5:00 pm **Globus Spine Lab & Didactic** (*Symphony Ballroom I & Ocean Way*)
- 12:00 pm-1:00 pm Lunch and Didactic Lecture (*Ocean Way*)
- Breakouts for each station/4 separate groups
- 1:00 pm-4:30 pm Spine Cadaveric Lab (choose 2 stations) 1 hour and 45 minutes per station (*Symphony Ballroom I*)
- *Open Station*
 - *MIS Station*
 - *EGPS/Robotics Station*
 - *Cervical TDR Station*
- 4:30 pm-5:00 pm Closing Remarks

2024 SOMOS E-Poster Presentations

Hand & Wrist

280 - Nonoperative Management of Fourth and Fifth Carpometacarpal Joint Dislocations
CPT Austin McCadden, MD, Tripler Army Medical Center

Shoulder & Elbow

151 - Outcome of Arthroscopic Debridement and Microfracture for Glenohumeral Kissing Lesions

Christopher G. Bacak, MD, William Beaumont Army Medical Center

72 - Small Lateral Coracoid Projection in Shoulder Instability

CPT Andrew R. Cooper, MD, Tripler Army Medical Center

74 - Interobserver and Intraobserver Reliability in Measuring Coracoid Morphology

CPT Andrew R. Cooper, MD, Tripler Army Medical Center

250 - Combinatorial Failure Modes of Suture Anchors in Osteoporotic Bone

Capt Cameron T. Dodd, MD, Wellstar Kennestone

81 - Decreased Failure after Military Shoulder Stabilization Procedures with Suture Tape

LT Scott Feeley, MD, Walter Reed National Military Medical Center

154 - Professional Fee Reimbursement for Shoulder Surgeries Performed at Ambulatory Surgery Centers Fail to Keep Pace with Inflation

CPT Cole Johnson, MD, William Beaumont Army Medical Center

267 - Technique for Addressing the Deltoid in Open Posterior Glenoid Reconstruction

LT Katina Kartalias, MS, MD, Naval Medical Center San Diego

**Presented by LT Anneliese Vitha, MD*

257 - Acromial Morphology Differences in Primary vs. Revision Posterior Shoulder Instability

LT Conor F. McCarthy, MD, Walter Reed National Military Medical Center

236 - Shortened Length of Stay and its Impact on Total Shoulder Arthroplasty

LCDR Sarah Nelson, MD, MS, Walter Reed National Military Medical Center

**Presented by 2LT Yavuz Durmaz, BS*

71 - Characteristics of Lateral Clavicle Fractures Treated with Coracoclavicular Ligament Procedures

LT Nicholas M. Panarello, MD, Walter Reed National Military Medical Center

117 - Unsupervised Machine Learning Identifies Clusters in Outcomes After Labral Repair

CPT James Pruneski, MD, Tripler Army Medical Center

76 - Trends in Osteopathic Authorship in the Orthopedic Literature and Impact on Successful Match into Shoulder and Elbow Surgery Fellowship

ENS Brandon Rust, BS, Nova Southeastern University College of Osteopathic Medicine

67 - Predictors of Operating Room Time in Shoulder Arthroplasty for Glenohumeral Osteoarthritis

MAJ John P. Scanaliato, MD, William Beaumont Army Medical Center

131 - Predictors of 90-Day Postoperative Complications following Outpatient Reverse Shoulder Arthroplasty

COL (Ret) Patrick St. Pierre, MD, MC, Desert Orthopedic Center

272 - Anchor Density Effect on Outcomes after Arthroscopic Shoulder Labral Repair

CPT John N. Wary, MD, Tripler Army Medical Center

209 - Perfect-Circle Technique and Inter-Rater Reliability in Measuring Posterior Glenoid Bone Loss

CPT Annette Yoon, MD, William Beaumont Army Medical Center

232 - Comorbidity Indices Fail to Identify Poor Outcomes after Shoulder Arthroplasty

Alexander R. Zhu, BA, Johns Hopkins University School of Medicine

Spine

56 - Osseous Engagement of Sacropelvic Porous Fusion-Fixation Screws

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

59 - Use of Expert Panel for Symptomatic Patients with Grade I Degenerative Lumbar Spondylolisthesis

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

61 - Prevalence of Total Joint Arthroplasty in the Adult Spine Deformity Population

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

84 - The Biomechanical Insertion and Removal Characteristics of Porous Sacropelvic Implants

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

Sports Injuries

87 - Rectus Femoris Tendon Reconstruction Using Achilles and Peroneus Longus Allografts

CPT Michael D. Czarnecki, DO, Tripler Army Medical Center

**Presented by CPT James Pruneski, MD*

172 - Adjunctive Therapies for Tibial Stress Fractures: A Systematic Review

2LT Joshua J. Rogers, BS, Philadelphia College of Osteopathic Medicine

Trauma

247 - Circulating Proteomic Profiles Associated with Decreased Tourniquet-Induced Ischemia

MAJ Jonathon Florance, MD, Duke University

240 - Retained Bullet Fragments have no Effect on Healing, Infection or Revision Surgery after Gunshot Related Tibial and Femoral Fractures

Fatima Bouftas, BS, University of Chicago, Pritzker School of Medicine

274 - Preoperative Planning for Orthopaedic Trauma

CPT Marc Nicholes, DO, William Beaumont Army Medical Center

155 - Surgical Factors Influencing Complications in Tibial Plafond Fractures: The Effects of Delayed Fixation and Fixation Method

CPT Kayleigh Renfro, MD, William Beaumont Army Medical Center

199 - Cost of Border Wall-Related Trauma: A 5m Wall Height Comparison

CPT Alexis B. Sandler, MD, William Beaumont Army Medical Center

Tumor/Musculoskeletal Disease

165 - Reusing a 3-D Printed Cutting Guide in Oncologic Revision Cases

CPT James D. Baker, MD, San Antonio Military Medical Center