



# Extremity War Injuries XVII

January 16-17, 2024

Washington, DC

**Symposium Co-Chairs:** Lt Col Andrew J. Sheean, MD & Joseph R. Hsu, MD

**Scientific Director:** LTC Daniel Song, MD

**EWI Oversight Chair:** Joseph R. Hsu, MD

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 live activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## SYMPOSIUM AGENDA

### January 15, 2024

9:00 – 5:00 PM	Meetings (STaR)	TBD
3:00 – 5:30 PM	EWI Symposium Check In	Foyer

### January 16, 2024

6:30 AM	EWI Symposium Check In	Foyer
6:30 – 7:00 AM	Coffee	
7:00 – 7:05 AM	<b>Symposium Welcome</b> Lt Col Andrew J. Sheean, MD & Joseph R. Hsu, MD	
7:05 – 7:15 AM	<b>EWI 2024: Why Are We Here?</b> Lt Col Andrew J. Sheean, MD <i>San Antonio Military Medical Center</i>	
7:15 – 7:45 AM	<b>Breakfast/Industry Update</b> <i>*CME Not Available</i>	
7:45 – 7:55 AM	<b>METRC Update</b> Robert V. O’Toole, MD <i>University of Maryland Medical Center</i>	
7:55 – 8:05 AM	<b>ANCHOR Update</b> John C. Clohisy, MD <i>Washington University</i>	
8:05 - 8:15 AM	<b>MOON Knee Update</b> Kurt Spindler, MD <i>Cleveland Clinic</i>	

8:15 – 8:25 AM	<b>MOON Shoulder Update</b> Carolyn M. Hetterich, MD <i>Brigham and Women's Hospital</i>	
8:25 - 8:30 AM	<b>Questions/Panel Discussion</b>	
8:30 – 8:45 AM	<b>Break</b>	
<b>Session I: Orthobiologics Across the Spectrum of MSK Disease</b> <b>MODERATORS: LCDR Ashley Anderson, MD and Lt Col Andrew Sheean, MD</b>		
8:45 – 8:51 AM	<b>Orthobiologics in Trauma Surgery: Current Uses and Applications in Acute Interventions</b> Phillip Leucht, MD <i>NYU Langone</i>	
8:51 – 8:57 AM	<b>Orthobiologics in Trauma Surgery: Strategies for Addressing Non-Unions</b> Christopher Lee, MD <i>University of California, Los Angeles</i>	
8:57 – 9:03 AM	<b>Point of Care Blood Products: Is this the Future?</b> Adam Anz, MD <i>Andrews Institute for Orthopaedics and Sports Medicine</i>	
9:03 – 9:09 AM	<b>Bone Marrow Aspirate: Current Indications in Sports Medicine and Future Uses</b> Don Buford, MD <i>Texas Orthobiologics Institute</i>	
9:09 – 9:15 AM	<b>An Update from the Benchtop</b> Chelsea Bahney, PhD <i>University of California, San Francisco</i>	
9:15 - 9:30 AM	<b>Questions/Panel Discussion</b>	
9:30-9:45 AM	<b>Break</b>	
<b>Session II: Biomarkers Across Orthopaedics</b> <b>LCDR Michelle Gosselin, MD and LCDR Ashley Anderson, MD</b>		
9:45 – 9:51 AM	<b>Utility of Biomarkers at Point of Injury</b> Michael P. Kelly, MD <i>Rady Children's Hospital, San Diego</i>	
9:51 – 9:57 AM	<b>Use of Biomarkers in Articular Ankle Fractures</b> Samuel Adams, MD <i>Duke University</i>	
9:57 – 10:03 AM	<b>Biomarkers in Nerve Injuries</b> David M. Brogan, MD MSc <i>Washington University</i>	
10:03 – 10:09 AM	<b>Biomarkers and Osteoporosis</b> CAPT Scott M. Tintle, MD <i>Walter Reed National Military Medical Center</i>	
10:09 – 10:15 AM	<b>Questions/Panel Discussion</b>	
10:15 – 10:30 AM	<b>BREAK</b>	

<b>Session III: Addressing Critical Bone Defects</b> <b>COL Kenneth Nelson, MD and CDR (sel) Christopher H. Renninger, MD</b>	
10:30-10:36 AM	<b>Fundamentals for Initial Evaluation and Management</b> MAJ Shawn E. Boomsma, DO <i>Ryder Trauma Center/Jackson Memorial Hospital</i>
10:36 – 10:42 AM	<b>Are there limits to the Masquelet Technique?</b> COL Daniel J. Stinner, MD, PhD <i>Vanderbilt University</i>
10:42 – 10:48 AM	<b>Tips and Tricks of Distraction Osteogenesis</b> Geoffrey S. Marecek, MD <i>Cedars-Sinai Medical Center</i>
10:48-10:54 AM	<b>How to Address the Challenges of Articular Defects</b> Timothy S. Achor, MD <i>McGovern Medical School at UHealth Houston</i>
11:00-11:15 AM	<b>Questions/Panel Discussion</b>
11:15-11:30 AM	<b>BREAK</b>
<b>Session IV: The Conflict in Ukraine: Lessons Learned and Future Directions</b> <b>MODERATORS: COL Daniel J. Stinner, MD and Joseph Hsu, MD</b>	
11:30 – 12:10 PM	<b>Panel Discussion</b> COL (ret) James R. Ficke, MD, <i>Johns Hopkins University</i> COL (ret) Roman A. Hayda, MD, <i>Rhode Island Hospital</i> Michael Beltran, MD, <i>University of Cincinnati</i>
12:10 – 12:40 PM	<b>LUNCH/INDUSTRY UPDATE</b> <i>* CME Credit Not Available</i>
12:40 – 1:00 PM	<b>Dessert in Exhibit Hall</b>
<b>Investigators Workshop Part 1– Hear from the Program Managers and Committee Chairs</b> <b>MODERATORS: Kurt Spindler MD, Lt Col Andrew J. Shean, MD</b>	
1:00-1:05 PM	<b>CDMRP: Peer Reviewed Orthopaedic Research Program</b> Akua Roach, PhD <i>US Army Medical Research and Development Command</i>
1:05-1:10 PM	<b>National Institutes of Health: MSK/Orthopaedic Program</b> Charles Washabaugh, PhD <i>NIAMS, National Institutes of Health, DHHS</i>
1:10-1:15 PM	<b>Military Technology Enterprise Consortium: Military Operational Medicine Research Program</b> Elizabeth Esposito-Russell, PhD <i>Military Operational Medicine Research Program</i>
1:15-1:20 PM	<b>Orthopaedic Research Foundation (OREF)</b> COL (ret) James R. Ficke, MD <i>Johns Hopkins University</i>
1:20-1:35 PM	<b>Questions/ Panel Discussion</b>
1:35 - 1:40 PM	<b>OTA Research: Current Efforts and Priorities</b> Saam Morshed, MD <i>University of California, San Francisco</i>
1:40 - 1:45 PM	<b>ASSH Research: Current Efforts and Priorities</b> David M. Brogan, MD MSc <i>Washington University</i>

1:45 – 1:50 PM	<b>AOSSM Research: Current Efforts and Priorities</b> C. Benjamin Ma, MD <i>University of California, San Francisco</i>		
1:50 – 2:00 PM	<b>Questions/Panel Discussion</b>		
2:00 – 2:20 PM	<b>BREAK</b>		
<b>Track A</b> <b>Moderator: LTC Kelly Kilcoyne, MD &amp; Jonathan F. Dickens, MD</b>		<b>Track B</b> <b>Moderator: TBD</b>	
<b>Degenerative Shoulder Conditions</b>		<b>Distal Upper Extremity Trauma/Reconstruction</b>	
2:20-2:26 PM	<b>Focal Chondral Lesions About the Shoulder</b> Lance E. LeClere MD, <i>Vanderbilt University</i>	2:20-2:26 PM	<b>Scapholunate Reconstruction</b> LTC David Wilson, MD <i>Brooke Army Medical Center</i>
2:26-2:32PM	<b>Joint Preservation and CAM</b> Justin Arner, MD, University of Pittsburgh Medical Center	2:26-2:32 PM	<b>Scaphoid Non union</b> James Higgins, MD, <i>Medstar Union Memorial</i> Aviram M. Giladi, MD, MS, <i>MedStar Union Memorial</i>
2:32 -2:38 PM	<b>Arthroplasty in the Young Patient</b> Stephen A. Parada, MD, <i>Augusta University</i>	2:32-2:38 PM	<b>Metacarpal and Phalangeal Fractures- Is Intramedullary Fixation the Standard of Care?</b> Aviram M. Giladi, MD, MS, <i>MedStar Union Memorial</i>
2:38 -2: 44 PM	<b>Scaffolds and Augments for Rotator Cuff Repair</b> Asheesh Bedi, MD, <i>University of Michigan Health</i>	2:38 – 2:55 PM	<b>Questions/Panel Discussion</b>
2:44 – 2:55 PM	<b>Questions/Panel Discussion</b>		
<b>Research Highlights</b>		<b>Research Highlights</b>	
3:00-3:05PM	<b>A Randomized Trial Comparing Anti-Gravity Treadmill Therapy versus Standard of Care: It's Safe and Patients Like It (42)</b> COL Daniel J. Stinner, MD, PhD, <i>Vanderbilt University</i>	3:00-3:05 PM	<b>SAVIT Risk Score Predicts Limb Salvage After Open Tibia Fractures (28)</b> MAJ Jefferson Lansford, MD <i>Walter Reed National Military Medical Center</i>
3:05-3:10PM	<b>Psychosocial Factors Predict Return to Work Status After Lower Extremity Fracture (18)</b> William M. Charlton, BS, <i>University of Kentucky</i>	3:05-3:10 PM	<b>Impact of Surgeon Experience on Major Complications after Ring Fixator Treatment of Severe Open Tibial Fractures (21)</b> LT Conor F. McCarthy, MD, <i>Walter Reed National Military Medical Center</i>
3:10-3:15PM	<b>Resiliency Instability in Patients Undergoing Shoulder Surgery Utilizing</b>	3:10-3:15PM	<b>Management of Ballistic Metacarpal Fractures: A Retrospective Cohort Study (34)</b>

	<b>the Brief Resiliency Score (03)</b> CPT Emily McDermott, MD, <i>San Antonio Military Medical Center</i>		Jordan C. Serotte, MD, <i>University of Chicago Medical Center</i>
<b>3:15-3:20PM</b>	<b>Minimal Clinical Important Differences Not Uniform in Servicemembers After Shoulder Surgery (32)</b> Capt Mikalyn T. DeFoor, MD, <i>San Antonio Military Medical Center</i>	<b>3:15-3:20PM</b>	<b>Ultrasound Tele-guidance for Forward Deployed Traumas (4)</b> ENS Eric M. Cal, BS, <i>University of North Carolina at Chapel Hill School of Medicine</i>
<b>3:20-3:25PM</b>	<b>Type V Acromioclavicular Joint Dislocation Reduction Loss After Acute Fixation (23)</b> LT Scott Feeley, MD, <i>Walter Reed National Military Medical Center</i>	<b>3:20-3:30PM</b>	<b>Questions</b>
<b>3:25-3:30PM</b>	<b>Questions</b>		
<b>3:30 – 3:40PM</b>	<b>BREAK</b>		
<b>Session V: Topics in Advanced Reconstruction</b> MODERATOR: MAJ Shawn E. Boomsma, DO and CDR Louis Lewandowski, MD			
<b>3:40 – 3:46 PM</b>	<b>Orthoplastics: When to Do it Yourself and When to Call for Help</b> Jana M. Davis, MD <i>Penn State Health Center</i>		
<b>3:46 – 3:52 PM</b>	<b>What's New in Amputation Optimization?</b> COL B. Kyle Potter, MD <i>Walter Reed National Military Medical Center</i>		
<b>3:52 – 3:58 PM</b>	<b>Osseointegration in 2024 and Beyond</b> COL (ret) Joseph Alderete, MD <i>University of Texas Health San Antonio</i>		
<b>3:58 – 4:04 PM</b>	<b>Hand Transplantation: Fact or Fiction?</b> David Leonard, MD, PhD, FRCS <i>Leeds Teaching Hospitals NHS Trust</i>		
<b>4:04 – 4:10 PM</b>	<b>Future Directions in Advanced Prosthetic Design and Use</b> Lee Childers, PhD <i>DoD/VA Extremity Trauma and Amputation Center of Excellence</i>		
<b>4:10 – 4:20 PM</b>	<b>Questions/Panel Discussion</b>		
<b>4:20-4:30 PM</b>	<b>BREAK</b>		
<b>Breakout Sessions</b>			
<b>4:30 – 5:15 PM</b>	<b>Breakout Group A: Antibiotic Coated Implants</b> <b>Moderator:</b> Joseph R. Hsu, MD & COL Daniel J. Stinner, MD, PhD		
	<b>Breakout Group B: Strategies and Controversies Regarding the Management of Critical Bone Defects</b>		

	<b>Moderator:</b> Timothy S. Achor, MD & LCDR Michelle Gosselin, MD	
	<b>Breakout Group C: Orthobiologics: Where Do We Need to Go?</b> <b>Moderator:</b> CDR Robert Waltz, MD or MAJ Michael Donohue, MD	
	<b>Breakout Group D: Post-traumatic Osteoarthritis: Are We Making Progress?</b> <b>Moderator:</b> Lt Col Aaron Barrow, MD, Christian Latterman, MD	
5:20 – 5:50 PM	<b>Breakout Group Reports</b>	
5:50 – 7:00 PM	<b>Reception/Scientific Poster Session</b>	
7:30 PM	<b>EWI Faculty Dinner</b>	

<b>January 17, 2024</b>		
6:30 AM	<b>EWI Symposium Check In</b>	Foyer
6:30 – 7:00 AM	<b>Coffee</b>	
7:00 – 7:05AM	<b>Welcome / Review of Day Two</b>	
<b>Session VI: Bone Health and Stress Fractures</b>		
<b>MODERATOR: CDR Louis Lewandowski, MD and LCDR Erica Crump, MD</b>		
7:05-7:11 AM	<b>Stress Fractures in the Military: Burden of Disease and Readiness Threats</b> LCDR Ashley B. Anderson, MD <i>Fort Belvoir/Walter Reed National Military Medical Center</i>	
7:11-7:17 AM	<b>Bone Health: The Basics</b> Anna N. Miller, MD <i>Washington University School of Medicine</i>	
7:17-7:23AM	<b>Therapeutics in Current Clinical Practice</b> CDR James H. Flint, MD, <i>Naval Medical Center San Diego</i>	
7:23 – 7:29 AM	<b>Implementing a Bone Health Program: Lessons Learned</b> LCDR Benjamin W. Hoyt, MD <i>James A. Lovell FHCC</i>	
7:29 – 7:40 AM	<b>Questions/ Panel Discussion</b>	
7:40 – 8:10 AM	<b>BREAKFAST/INDUSTRY UPDATE</b> <i>* CME Credit Not Available</i>	
<b>Investigators Workshop Part 2 – Hear from the Investigators</b>		
<b>MODERATORS: Lt Col Andrew J Shean, MD, Kurt Spindler, MD</b>		
8:15 – 8:21AM	<b>A Primer on Machine Learning and Artificial Intelligence: What Do You Need to Know Right Now?</b> Mark P. Cote, PT, DPT, MS, CTR <i>Harvard University</i>	
8:21 - 8:27 AM	<b>How to Collaborate with a Scientist: Do's and Don'ts</b> Joseph C. Wenke, PhD <i>University of Texas Medical Branch Galveston</i>	
8:27 – 8:33 AM	<b>My Journey as a Military Clinician Scientist</b>	

	Jonathan F. Dickens, MD <i>Duke University</i>		
8:33- 8:39 AM	<b>MOTION Update</b> Matthew Bradley, MPH <i>The Geneva Foundation</i>		
8:50 – 9:10 AM	<b>BREAK</b>		
<b>Track A</b>		<b>Track B</b>	
<b>Distal Upper Extremity Trauma/Reconstruction</b> Moderator: TBD		<b>Infection in Musculoskeletal Trauma</b> Moderator: CDR Christopher H. Renninger, MD and Maj R. Bradley Kessler, MD	
9:10 – 9:16 AM	<b>Ballistic Injuries of the Upper Extremity</b> Jeffrey G. Stepan, MD, MSc, <i>University of Chicago</i>	9:10 – 9:16 AM	<b>What's On the Horizon?</b> COL Daniel J. Stinner, MD, PhD, <i>Vanderbilt University</i>
9:16 – 9:22 AM	<b>Cubital Tunnel Syndrome Advances in Diagnostics</b> Daniel A. Osei, MD, MSc, <i>Hospital for Special Surgery</i>	9:16 – 9:22 AM	<b>Fundamentals of Diagnosis</b> Mark R. Brinker, MD, <i>Texas Orthopedic Hospital</i>
9:22– 9:28 AM	<b>Carpal Tunnel Syndrome Advances in Diagnostics</b> John Fowler, MD, University of Pittsburgh	9:22 – 9:28 AM	<b>Utility of Topical Antibiotics</b> Robert V. O'Toole, MD <i>University of Maryland Medical Center</i>
9:28 – 9:34 AM	<b>Elbow Instability Advances</b> Maj Casey Sabbag, MD <i>Brooke Army Medical Center</i>	9:28 – 9:34 AM	<b>Antibiotic Coated Implants</b> Rahul Vaidya, MD, <i>Wayne State University</i>
9:34 – 9:40 AM	<b>Advances in Distal Radius Fractures</b> Tamara D. Rozental MD, <i>Beth Israel Deaconess Medical Center</i>	9:34 – 9:50 AM	<b>Questions/Panel Discussion</b>
9:40 – 9:50 AM	<b>Questions/Panel Discussion</b>		
<b>Research Highlights</b>		<b>Research Highlights</b>	
9:55 – 10:00 AM	<b>Porcine Whole Joint Biomechanics after Bioprinted Meniscus Repair (20)</b> ENS Andrew F. Nelson, BS, <i>Uniformed Services University of the Health Sciences</i>	9:55– 10:00 AM	<b>The VANCO Trial Findings Are Generalizable to a North American Trauma Registry (36)</b> Joseph T. Patterson, MD, <i>Keck Medicine of the University of Southern California</i>
10:00 – 10:05 AM	<b>Physiological production of specialized pro-resolving mediators does not prevent posttraumatic osteoarthritis after anterior cruciate ligament transection (51)</b> Chilan Bou Ghosson Leite, MD, <i>Brigham and Women's Hospital</i>	10:00 – 10:05 AM	<b>Microorganisms and Infection Epidemiology after Gunshot Orthopaedic Trauma (33)</b> Vikranth Mirle, BS, <i>The University of Chicago</i>

10:05 – 10:10 AM	<b>Do 2-year radiographs predict pain 6 years after ACL reconstruction? (50)</b> <i>Morgan H. Jones, MD, MPH, Brigham and Women's Hospital</i>	10:05 – 10:10 AM	<b>Evaluating the Impact of Nutrition Deficiencies on Body Composition and Complication rates after High-Energy Musculoskeletal Trauma (27)</b> John Davison, MPH, <i>University of Iowa Hospitals</i>
10:10 – 10:15 AM	<b>Transcriptomics of Anterior Shoulder Instability: Differences in Gene Expression in the Blood of Patients with and without Significant Glenoid Bone Loss (01)</b> Joseph W. Galvin, DO, <i>Madigan Army Medical Center</i>	10:10 – 10:15 AM	<b>Progression of Femoral Neck Stress Fractures in Basic Trainees (24)</b> Justin J. Reagh, MD, <i>Eisenhower Army Medical Center</i>
10:15 – 10:20 AM	<b>Hip-Spine Relationship in Femoroacetabular Impingement: Does Arthroscopy Affect Pelvic Mobility? (13)</b> Jessica R. Stambaugh, MD, <i>Naval Medical Center San Diego</i>	10:15– 10:35 AM	<i>Questions/Panel Discussion</i>
10:20– 10:35 AM	<i>Questions/Panel Discussion</i>		
10:35 – 11:00 AM	<b>Break</b>		
<b>Track A: Skills Sustainment</b> COL Kenneth Nelson, MD and MAJ Archie Overmann, MD		<b>Track B: Shoulder Instability</b> Maj Travis Dekker MD, Justin Arner MD	
11:00 – 11:10 AM	<b>Experience at a Military Level 1 Trauma Center</b> Maj R. Bradley Kessler, MD, <i>San Antonio Military Medical Center</i>	11:00 – 11:06 AM	<b>Current Refinements to the Glenoid Track Paradigm</b> Albert Lin, MD, <i>University of Pittsburgh Medical Center</i>
11:10 – 11:20 AM	<b>Military-Civilian Partnerships: Utilizing Local Resources</b> James A. Blair, MD, <i>Emory University / Grady Memorial Hospital</i>	11:06 – 11:12 AM	<b>Criteria-Based Return to Duty/Play Decision Making</b> Dean C. Taylor, MD, <i>Duke University</i>
11:20 – 11:30 AM	<b>Lessons Learned from Transitioning an MTF to a Civilian Trauma Center</b> CDR Louis R. Lewandowski, MD, <i>Naval Medical Center Camp Lejeune</i>	11:12 – 11:18 AM	<b>Remplissage: Indications and Limitations</b> Brian R. Waterman, MD, <i>Wake Forest University</i>
11:30 – 11:40 AM	<b>COTS+ Update and Future Goals</b>	11:18 – 11:24 AM	<b>Posterior Instability: How Can We Get Better?</b>



	CDR (sel) Christopher H. Renninger, MD, <i>Walter Reed National Military Medical Center</i>		Lt Col Andrew Sheean, MD, <i>Brooke Army Medical Center</i>
11:40 – 11:50 AM	<b>MAST Update</b> LTC Kelly Kilcoyne, MD, <i>Walter Reed Medical Center</i>	11:24 – 11:30 AM	<b>Bone Grafting in 2024: Current Indications and Limitations</b> Matthew T. Provencher, MD, <i>The Steadman Clinic</i>
11:50 – 11:55 AM	<b>Discussion</b>	11:50 – 11:55 AM	<b>Discussion</b>
11:55 – 12:25 PM	<b>LUNCH/INDUSTRY UPDATE</b> * <i>CME Credit Not Available</i>		
12:25 – 12:55 PM	<b>Dessert in Exhibit Hall</b>		
<b>Session VII: Post Traumatic Osteoarthritis and the Knee</b> <b>MODERATOR: MAJ Michael Donohue MD, Jonathan F. Dickens MD</b>			
12:45-12:51PM	<b>Pathogenesis of PTOA: What Do We Know in 2024?</b> Christian Latterman, MD <i>Brigham and Women's Hospital</i>		
12:51 – 12:57 PM	<b>Cartilage Restoration in 2024 and Beyond</b> Drew Lansdown, MD <i>University of California San Francisco</i>		
12:57-1:03 PM	<b>Orthobiologics as Adjuncts and Primary Treatment</b> Jason Dragoo, MD <i>University of Colorado</i>		
1:03 – 1:09 PM	<b>Osteochondral Allografts: Optimizing Clinical Outcomes</b> Clayton Nuelle, MD <i>University of Missouri</i>		
1:09 – 1:15 PM	<b>Patient Specific Osteotomies About the Knee</b> Travis Dekker, MD <i>United States Air Force Academy</i>		
1:15 – 1:25 PM	<b>Questions/Panel Discussion</b>		
<b>Session VIII: Ligamentous Knee Injuries</b> <b>MODERATOR: MAJ David Tennent MD, Clayton Nuelle MD</b>			
1:30 – 1:36 PM	<b>STaR Trial: What We've Learned So Far</b> Jay Irrgang, PhD <i>University of Pittsburgh</i>		
1:36 – 1:42 PM	<b>STABILITY Trial: Maximizing Success of ACL Reconstruction</b> Bryson P. Lesniak, MD <i>University of Pittsburgh</i>		
1:42 – 1:48 PM	<b>Strategies for Addressing Rotatory Knee Instability</b> Bruce A. Levy, MD <i>Orlando Health Medical Group</i>		
1:48 – 1: 54 PM	<b>ACL Repair: When to Do It and How to Do It</b> Joseph J. Ruzbarsky, MD <i>The Steadman Clinic</i>		
1: 54 – 2:05 PM	<b>Questions/Panel Discussion</b>		

2:05 – 2:15 PM	Break	
2:15 – 2:30 PM	Closing Comments and Adjourn	

## POSTERS

### **Poster 01 - Infection Rate and Antibiotic Administration for Urban Gunshot Wounds (37)**

Hayden P. Baker, MD, *The University of Chicago*

### **Poster 02 - Predicting Motor Deficit in Civilian Ballistic Spine Fractures (38)**

Christopher Johnson, MD, PhD, *University of Chicago*

### **Poster 03 - Return to Duty After High Tibial Osteotomy: A Radiographic Analysis (22)**

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

### **Poster 04 - Revolutionizing Acute Compartment Syndrome Management: Role of Continuous Pressure Monitoring (25)**

Edward Harvey, HBSc, MDCM, MSc, FRCSC, *McGill University*

### **Poster 05 - Imaging and Machine Learning Tool for Post-Fracture Animal Model Pain (19)**

Chelsea Bahney, PhD, *University of California, San Francisco*

### **Poster 06 - Socioeconomic Status is not a Predictor of Bony Complication in Nonoperatively Managed Mid-Shaft Clavicle Fractures (35)**

Confidence Njoku-Austin, BA, *University of Pittsburgh Medical Center*

### **Poster 07 - Resilience Inconclusively Affects Clinical Outcomes after Arthroscopy: A Systematic Review (31)**

Capt Mikalyn T. DeFoor, MD, *San Antonio Military Medical Center*

### **Poster 08 - Optimization of a Novel Tissue Preservation System for Point-of-Care Storage of Nerve Allografts (26)**

Bryce T. Fletcher, BS, *University of Missouri-Columbia*

### **Poster 09 - Management of ACL Injuries: Comparing ChatGPT Recommendations with AAOS Clinical Practice Guidelines (10)**

Nancy Shrestha, BA, *Rosalind Franklin University, Chicago Medical School*

### **Poster 10 - Hyaluronic Acid Stabilizes Therapeutic Mechanically-Activated Microcapsules for Field Deployment (45)**

1stLt Austin C. Jenk, BS, *University of Pennsylvania*

### **Poster 11 - Nonunion & Complication Rates in Ballistic vs. Blunt Pertrochanteric Femur Fractures (40)**

Jordan C. Serotte, MD, *University of Chicago Medical Center*

### **Poster 12 - Decreased Failure After Military Shoulder Stabilization Procedures with Suture Tape (47)**

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

