



EXTREMITY WAR INJURIES XVI

Embracing Peace, Preparing for War

January 18-19, 2022
Washington, DC

Symposium Co-Chairs: CDR Scott M. Tintle, MD and David Teague, MD
Scientific Director: Lt Col Andrew Sheean, MD
EWI Oversight Chair: David Teague 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.

SYMPOSIUM AGENDA

January 17, 2022

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

January 18, 2022

6:30 AM	EWI Symposium Check In	Foyer
6:30–7:00 AM	Coffee	
7:00–7:05 AM	Symposium Welcome: Embracing Peace, Preparing for War: Goals for Meeting CDR Scott M. Tintle, MD <i>Walter Reed National Military Medical Center</i>	
7:05–7:15 AM	EWI 2022: Why Are We Here? History of EWI COL (Ret) James Ficke, MD <i>John Hopkins University Medical Center</i>	
7:15–7:45 AM	Breakfast/Industry Update <i>*CME Not Available</i>	
7:45–7:55 AM	EWI to Funding- How Does It Work? Civilian Historical Perspective Andrew N. Pollak, MD <i>University of Maryland</i>	

7:55–8:05 AM	Burden of Musculoskeletal Disease and Funding Mismatch Lee Grossman <i>Orthopaedic Research and Education Foundation</i>	
8:05–8:20 AM	Utilization of the Department of Defense Peer-Reviewed Orthopaedic Research Program (PRORP): Combating Musculoskeletal Disease With PRORP LT Ashley B. Anderson, MD <i>Walter Reed National Military Medical Center</i>	
8:20–8:40AM	CDMRP/PRORP/USAMRAA-Research Alphabet Soup Explained Akua Roach, PhD <i>US Army Medical Research and Materiel Command</i>	
8:40–9:00 AM	Readiness of United States Navy Medicine RADM Bruce Gillingham, MD <i>Surgeon General United States Navy</i>	
9:00–9:20 AM	Break	
Session I Readiness Moderator: CDR Scott M. Tintle, MD		
9:20–9:30 AM	Civilian Navy Program Development at University of Pennsylvania- A Model for the Future? CDR (Ret) C. William Schwaab, MD <i>University of Pennsylvania</i>	
9:30–9:40 AM	Level One Military Trauma Center COL Patrick Osborn, MD <i>San Antonio Military Medical Center</i>	
9:40–9:50 AM	The KSA Program and Military Surgical Readiness CAPT Eric Elster, MD <i>Dean, Uniformed Services University of the Health Sciences</i>	
9:50–10:00 AM	SOMOS/AANA Collaboration: Is This a Model for Other Sub-specialties? COL JT Tokish, MD <i>Mayo Clinic</i>	
10:00–10:25 AM	The Withdrawal from Afghanistan, Medical Lessons Learned Panel on Readiness: How do Military Orthopaedic Surgeons Stay Prepared to Deploy and for Stateside War Care? Moderator: TBD Panel: COL Kenneth J. Nelson, MD, <i>Fayetteville, NC</i> COL Jean-Claude DAlleyrand, MD, <i>Landstuhl Regional Medical Center</i> COL B. Kyle Potter, MD, <i>Walter Reed National Military Medical Center</i> CAPT George Nanos, MD, <i>Walter Reed National Military Medical Center</i> CDR Scott M. Tintle, MD, <i>Walter Reed National Military Medical Center</i>	
10:25–10:35 AM	Questions from Audience	
10:35–10:55 AM	Break	

Session II
Lower Extremity Trauma
Moderator: TBD

10:55–11:05 AM	Combat Orthopaedic Surgery Trauma Surgery Course LCDR Christopher Renninger, MD <i>Walter Reed National Military Medical Center</i>	
11:05–11:15 AM	Amputation Optimization COL B. Kyle Potter, MD <i>Walter Reed National Military Medical Center</i>	
11:15–11:25 AM	Osseointegration Update CAPT Jonathan Forsberg, MD <i>Walter Reed National Military Medical Center/John Hopkins University</i>	
11:25–11:35 AM	Lower Extremity Amputations in the Civilian Setting David C. Teague, MD <i>University of Oklahoma</i>	
11:35–11:45 AM	METRC Update Michael J. Bosse, MD <i>Charlotte, NC</i>	
11:45 AM–12:00 PM	Distal Femur Fractures, Samir Mehta, MD <i>University of Pennsylvania</i>	
12:00–12:10 PM	Update on Pilon Fractures TBD	
12:10–12:40 PM	LUNCH/INDUSTRY UPDATE * <i>CME Credit Not Available</i>	
12:40–1:10 PM	Dessert in Exhibit Hall	

Session III
Upper Extremity/Orthoplastics
Moderator: L. Scott Levin, MD

1:10–1:20 PM	Tips from the Experts on PRORP Success Akura Roach, PhD <i>US Army Medical Research and Materiel Command</i>	
1:20–1:30 PM	Orthoplastics in the United States Military- Does It Exist? Jason M. Souza, MD <i>Ohio State University</i>	
1:30–1:40 PM	Orthoplastics in the United Kingdom- Is This the Ideal Model for Success? Michael B. Kelly, MD <i>Southmead Hospital, Bristol, United Kingdom</i> Umraz Khan, MD <i>Southmead Hospital, Bristol, United Kingdom</i>	
1:40–1:50 PM	Orthoplastics from the Orthopaedic Surgeon Perspective Samir Mehta, MD <i>University of Pennsylvania</i>	
1:50–2:00 PM	Going it Alone- How to Succeed without Plastic Surgery Support – Is It Possible? Joseph R. Hsu, MD <i>Carolina Medical Center</i>	
2:00–2:20 PM	Orthoplastics Panel Discussion:	

	Moderator: L. Scott Levin, MD Panel: Jason M. Souza, MD, <i>Ohio State University</i> Samir Mehta, MD, <i>University of Pennsylvania</i> Michael B. Kelly, MD, <i>Southmead Hospital, Bristol, United Kingdom</i> Umraz Khan, MD, <i>Southmead Hospital, Bristol, United Kingdom</i>		
Track A- Trauma Moderator: TBD		Track B- Upper Extremity Moderator: Jason M. Souza, MD	
Title		Title	
2:20–2:30 PM	Abstract—Oxygen Robert V. O’Toole, MD <i>University of Maryland</i>	2:20–2:30 PM	Agonist Antagonist Myoelectric Interfaces - Update Matthew J. Carty, MD <i>Brigham and Women’s Hospital</i>
2:30–2:40 PM	Postoperative Wound Infection After Extremity Fractures William Obremsky, MD <i>Vanderbilt University</i>	2:30–2:40 PM	Why Does Bone Health Matter to the Military? Jennifer M. Wolf, MD <i>University of Chicago</i>
2:40–2:50 PM	Infection: Updates in Management William Obremsky MD <i>Vanderbilt University</i>	2:40–2:50 PM	PEG Fusion Update Jaimie T. Shores, MD <i>John Hopkins University</i>
2:50–3:00 PM	Ultrasound to Diagnose Acute Compartment Syndrome Meir Marmor, MD <i>University of California, San Francisco</i>	2:50–3:00 PM	Enhancing Peripheral Nerve Repair Options Jason M. Souza, MD <i>Ohio State University</i>
Research Highlights		Research Highlights	
3:00–3:05PM		3:00–3:05PM	Abstract
3:05–3:10PM		3:05–3:10PM	Abstract
3:10–3:15PM		3:10–3:15PM	Abstract
3:15–3:20PM		3:15–3:20PM	Abstract
3:20–3:40PM	BREAK		
Breakout Sessions			
3:40–4:55 PM	Breakout Group 1- Orthopaedic Readiness- Gaps in Understanding and How to preserve Expertise.		
	Breakout Group 2- Orthoplastic Surgery- How Do We Make This a Reality in the United States?		

	Breakout Group 3- Amputation Surgery	
	Breakout Group 4- Femur/Tibia/Hindfoot Injuries	
4:55–5:10 PM	Breakout Group Reports	
5:10–5:25 PM	Questions and Answers	
5:30–7:00 PM	Reception/Scientific Poster Session	
5:30–6:30 PM	Grant Funding Tips from the Experts Informal Coffee and Conversations Dr. Akura Roach, DOD Funded, PRORP Personnel	
7:00PM	EWI Faculty Dinner	

January 19, 2021		
6:30 AM	EWI Symposium Check In	Foyer
6:30–7:00 AM	Coffee	
7:00–7:05AM	Welcome / Review of Day Two Lt Col Andrew J. Sheean, MD <i>San Antonio Military Medical Center</i>	
Session IV		
Readiness Research from the 30,000 Foot Perspective		
Moderators: James P. Bradley, MD, Lt Col Andrew J. Sheean, MD		
7:05–7:15 AM	State of Sports Medicine and Readiness Research: The AOSSM Perspective Kurt Spindler, MD <i>President, AOSSM, Cleveland Clinic</i>	
7:15–7:25 AM	Military Medical Readiness Research in 2021: Progress, Potential, and Challenges Jonathan F. Dickens, MD <i>Duke University</i>	
7:25–7:35AM	Discussion	
7:35–7:45 AM	Building a Multicenter Network: How to Do It and Lessons Learned John Clohisy, MD <i>Washington University</i>	
7:45–7:55 AM	Musculoskeletal Injury Rates Across the Military: What is the Burden of Disease and What are the Stakes? Kenneth L. Cameron, PhD, MPH, ATC <i>Uniformed Services University</i>	
7:55–8:05 AM	Discussion	
8:05–8:55 AM	BREAKFAST/INDUSTRY UPDATE <i>* CME Credit Not Available</i>	
Track A		Track B
Trauma Moderators: TBD		Threats to Readiness: Non-Arthritic Hip Pain

		Moderators: Lt Col Matthew R. Schmitz, MD; LCDR Brian Barlow, MD	
8:55–9:05 am	The Open Tibia: Where Are We and Where Do We Go? Michelle Gosselin, MD <i>University of Southern California</i>	8:55–9:05 am	Management of Focal Chondral Lesions About the Hip Asheesh Bedi, MD <i>University of Michigan Health</i>
9:05–9:15 am	Updates on Severe Foot Trauma Ellen P. Fitzpatrick, MD <i>University of California, Davis</i>	9:05–9:15 am	Managing Labral Injuries: From Debridement to Reconstruction Craig S. Mauro, MD <i>University of Pittsburgh Medical Center</i>
9:15–9:25 am	Update on Severe Hindfoot/Midfoot/Pilon Trauma- OUTLET Michael J. Bosse, MD <i>Charlotte, NC</i>	9:15–9:25 am	Role for Periacetabular Osteotomy and Expected Clinical Outcomes Andrea Spiker, MD <i>University of Wisconsin-Madison</i>
9:35–9:45 am	TBD	9:35–9:45 am	Extra-Articular Causes of Non-Arthritic Hip Pain J.W. Thomas Byrd, MD <i>Nashville Sports Medicine & Orthopaedic Center</i>
9:45–9:55 am	Discussion	9:45–9:55 am	Discussion
Research Highlights		Research Highlights	
9:55–10:05 am	Abstract	9:55–10:05 am	Abstract
10:05–10:15 am	Abstract	10:05–10:15 am	Abstract
10:15–10:25 am	Abstract	10:15–10:25 am	Abstract
10:25–10:35 am	Abstract	10:25–10:35 am	Abstract
10:35–10:45 am	Abstract	10:35–10:45 am	Questions/ Discussion
10:45–11:00 AM	Break		
Track A		Track B	
Upper Extremity Non-Battle Injury Moderators: TBD		Threats to Readiness: Shoulder Moderators: MAJ Joseph Galvin, MD; CDR Lucas McDonald, MD	
11:00–11:15am	Scapholunate Dissociation: Advances in Care Scott W. Wolfe, MD <i>Hospital for Special Surgery</i>	11:00–11:10 am	Critical Issues in Shoulder Instability Albert Lin, MD <i>University of Pittsburgh Medical Center</i>
11:15–11:25am	Scaphoid Non-Union Avi Giladi, MD <i>Medstar Union Memorial</i>	11:10–11:20 am	In-Season Decision Making and Return to Play/Duty Considerations Dean C. Taylor, MD <i>Duke University</i>
11:25–11:40 am	Scaphoid Non-Union: Vascularized Cartilage Replacement	11:20–11:30 am	Management of Focal Chondral Lesions About the Shoulder Lance E. LeClere, MD

	James P. Higgins, MD <i>Medstar Union Memorial</i>		<i>Vanderbilt University</i>
11:40–11:50 am	Discussion	11:30–11:40 am	Glenohumeral Osteoarthritis in the Young, Active Patient Robert U. Hartzler, MD <i>TSAOG Orthopaedics</i>
		11:40–11:50 am	Discussion
11:55 AM–12:25 PM	LUNCH/INDUSTRY UPDATE * <i>CME Credit Not Available</i>		
12:25–12:55 PM	Dessert in Exhibit Hall		
Session V			
Orthobiologics: From the Benchtop to Clinical Practice Moderators: CDR James Bailey, MD; LCDR Jennifer Smith, MD			
12:55–1:05PM	Basic Science Update Chelsea Bahney, PhD <i>University of California, San Francisco</i>		
1:05–1:15 PM	Innovations in Point of Care Blood Product Collection and Delivery Adam Anz, MD <i>Andrews Institute for Orthopaedics and Sports Medicine</i>		
1:15–1:25 PM	Adipose-Derived Stem Cells: Overview and Clinical Applications Jason Drago, MD <i>Stanford University</i>		
1:25–1:35 PM	Orthobiologics in My Clinical Practice James P. Bradley, MD <i>University of Pittsburgh Medical Center</i>		
1:35–1:45 PM	Discussion		
1:45–1:55 PM	Break		
Session VI			
Knee Chondral Injuries and Post-Traumatic Osteoarthritis Moderators: LTC Ivan Antosh, MD; Maj Travis Dekker, MD			
2:00–2:10 PM	The Pathogenesis of PTOA: What Do We Know in 2022? Christian Latterman, MD <i>Brigham and Women's Hospital</i>		
2:10–2:20 PM	Orthobiologics as a Primary Treatment for PTOA Bert R. Mandelbaum, MD <i>Cedars Sinai Kerlan-Jobe Institute</i>		
2:20–2:30 PM	The Role of Osteotomy: When, Where, How Annunziato Amendola, MD <i>Duke University</i>		
2:30–2:40 PM	Surface-Based Treatment of Focal Knee Chondral Lesions Seth L. Sherman, MD <i>Stanford University</i>		
2:40–2:50 PM	Osteochondral Allograft Transplantation for Focal Knee Chondral Lesions Thomas DeBerardino, MD <i>TSAOG Orthopaedics</i>		

2:50–3:00 PM	Discussion	
3:00–3:10 PM	Break	
Session VII Innovations in Injury Surveillance and Non-Operative Therapeutics Moderators: Adam Popchak, PhD; Kenneth Cameron, PhD		
3:10–3:20 PM	Clinical Outcomes and Big Data: Implications for the DoD Jay Irrgang, PhD <i>University of Pittsburgh</i>	
3:20–3:30 PM	MIRROR in 2021: Current Capabilities and Future Directions Jenny Yuan, PhD <i>Uniformed Services University</i>	
3:30–3:40 PM	Injury Surveillance Among Elite Tactical Athletes Jason Jadgechew Naval Special Warfare Command	
3:40–3:50 PM	Blood Flow Restriction Therapy: State of the Art in 2022 Johnny Owens, PT <i>Owens Recovery Science</i>	
3:50–4:00 PM	Discussion	
4:00–4:10 PM	Break and Transition to Breakout Sessions	
4:10–5:00 PM	Breakout Group 1- Wrist and Elbow Upper Extremity Non-Battle Injury Kenneth L. Cameron, PhD, MPH, ATC	
	Breakout Group 2- Biologics Col Joseph Stuart, MD	
	Breakout Group 3- Cartilage Restoration LTC Christopher Tucker, MD	
	Breakout Group 4- Hip Preservation	