



Schedule of HJF Presenters at MHSRS

Monday, August 14

Breakout session	Speaker	Time	Presentation Title
Biomedical Community of Interest: Understanding and Learning from the Ukraine Conflict	Hamm, Tiffany	13:40-13:50	Russo-Ukraine War: Assessment of the Ukraine Trauma System and Medical Capabilities
Young Investigator Competition	Clark, Andrew	1350 - 1400	Combating Volumetric Muscle Loss: An Investigation of a Two-Stage Treatment Strategy Utilizing an Acute Muscle Void Filler Followed by Delayed Definitive Treatment
Precision Medicine Research: Optimizing Warfighter Healthcare, Readiness, and Return to Duty	Schobel, Seth	14:30-14:45	Generating Synthetic Data with a Mechanism-based Critical Illness Digital Twin: Demonstration for Post Traumatic Acute Respiratory Distress Syndrome
	Li, Renhua	14:45-15:00	Re-Building a Machine Learning Predictive Model for Combat-Related Invasive Fungal Infections
	Epsi, Nusrat	15:15-15:30	A Precision Medicine Approach to Predicting "Long COVID" through Machine Learning Analysis of High Dimensional Transcriptome Data
	Gann, Eric	15:30-15:45	Distinct Temporal Gene Expression Profiles During the Healing Process in Civilian vs. Military Extremity Wounds
	Hellwig, Lydia	15:45-16:00	Assessing Clinical Utility of Pharmacogenetic Testing in the Military Health System
	Lisboa, Felipe	16:15-16:30	Predicting ARDS in Surgical Critical Care Patients Based on Standard of Care Clinical Data
	Robertson, Henry	16:30-16:45	Serologic correlates of mortality in a cohort of critically ill COVID-19 treated with Seraph-100 hemofiltration
	Grey, Scott	16:45-17:00	Development and Validation of WounDx, a Prediction Model for the Successful Closure of Acute Traumatic Extremity Wounds
Advances in AI/ML In Military Medicine: Supporting Readiness, Prevention and Return to Duty	Schobel, Seth	16:45-17:00	Using Machine Learning to Predict Common and Important Critical Care Complications Based on Proteomics Data

Tuesday, August 15

Breakout session	Speaker	Time	Presentation Title
Military Transitions - Advances in Early Interventions for Promoting and Strengthening Psychological Readiness of Service Members	Jannace, Kalyn	8:45-9:00	Behavioral Health Outcomes and Suicidal Behavior Following Major Limb Loss Among Active Duty U.S. Service Members
	LaCroix, Jessica	09:00-09:15	Mil-iTransition: Feasibility and Acceptability of A Peer-Support Cognitive Behavioral Program for Service Members Following Medical and Physical Evaluation Boards AND Poster: Upstream Suicide Prevention for Newly Enlisted Navy Sailors: Acceptability, Feasibility, and Scalability of Rational Thinking, Emotion Regulation, and Problem-Solving (REPS)
Development and Validation of Sensors and PPE for Blast Polytrauma	Leonessa, Fabio	9:46-10:00	The COMbat and traiNing QUeryable Exposure/event Repository (CONQUER) Operational Monitoring Pilot Program: Summarizing Five Years of Continued Blast Overpressure Monitoring Activity
Undersea Operational Research Panel	Metelko, Alan	13:45-14:00	Analysis of Breath Based Volatile Organic Compounds for Prediction of Pulmonary Oxygen Toxicity in Divers
Leveraging Big Data/Predictive Analytics for Military Health System Decision Making: Considerations for Assessment, Treatment, and Policy	Nathan, Dominic	15:30-17:30	Session Moderator
	Clifton, Daniel	17:01-17:14	Post-Concussion Musculoskeletal Disorder Risk among Service Members who Joined the U.S. Armed Forces between 2011 and 2021

Wednesday, August 16

Breakout session	Speaker	Time	Presentation Title
From Laboratory to Clinic: Progress of Orthotic & Prosthetic Technologies and Outcomes	McGrath, Robert	8:30-8:45	Robotic Lower Limb Surrogate Design That Evaluates Exoskeletons Designed to Reduce Tibial Strain
Health and Readiness Unique to the Female Active Duty Service Woman	Romo, Matthew	9:00-9:15	Sex Disparities in Urogenital Mycoplasma genitalium Prevalence Among US Army Service Members and their Medical Beneficiaries
Comprehensive Strategy and Action Plan for Warfighter Brain Health - Way Forward LOE4 (Late/Long Term Effects)	Priemer, David	13:45-14:00	The Department of Defense/Uniformed Services University Brain Tissue Repository A Facility on the Front Lines of Studies on Biologic Aspects of Warfighter Brain Health
Implementation of Interventions for Prevention of Suicide and Other Harmful Behaviors	Walsh, Adam	13:45-14:00	Project Safe Guard: Evaluating a Lethal Means Safety Intervention to Reduce Firearm Suicide in the National Guard.
	Bricker-Carter, Sarah	14:00-14:15	Initial Field Testing of a Cross-Cutting Primary Prevention Intervention for Military Couples
Exertional Illness in the Warfighter: Return to Duty Considerations	Kazman, Joshua	15:30-15:45	Exertional heat illness prognosis among service members: Longitudinal associations with medical separation and hospitalization
	Pagani, Austin	17:00-17:15	Evaluating Sudden Death in the MHS Requires a Genetic Evaluation

Thursday, August 17

Breakout session	Speaker	Time	Presentation Title
Solutions to Optimize and Accelerate Recovery from Neuromusculoskeletal Injury	Gregory, Alexandria	8:30-8:45	Self-Reported Intentions to Seek Medical Attention for Musculoskeletal Injuries, Concussions, and Exertion-Related Injuries During Military Training
Addressing Military Vaccine Hesitancy: A Crucial Barrier to Force Health Protection and Pandemic Preparedness	Craig-Kuhn, Megan Clare	09:15-09:30	Assessment of COVID-19 vaccine receipt and factors associated with early and late vaccine adoption among Servicemembers in the Military Health System
	Pollett, Simon	9:45-10:00	Characteristics and long term outcomes of SARS-CoV-2 associated myocarditis cases in the Military Health System
	Romo, Matthew	10:00-10:15	COVID-19 mRNA Vaccination and Myocarditis/ Pericarditis in the Setting of Active Surveillance at a Military Treatment Facility
Multifactorial Problems Contributing of Musculoskeletal Injuries in the Military	Clifton, Daniel	11:00-11:15	Factors Associated with Return to Duty Time following Musculoskeletal-Related Occupational Disability
	Barrett, Amelia	11:15-11:30	Biopsychosocial Factors Associated with Musculoskeletal Injury in Marine Corps Officers Differ between Males and Females
	Kazman, Joshua	11:45-12:00	Back Pain and Mental Health Disorders in the Army: Bidirectional Longitudinal Associations, Behavioral Symptom Presentation, and Prognosis
Medical Countermeasure Assessment for Flaviviruses and other Vector-born Viral Pathogens of Military Importance	McCauley, Melanie	11:30-11:40	Seroprevalence of vector-borne and hemorrhagic fever viruses among a cross-section of adult ambulatory and hospitalized patients with severe illness in Nigeria, Ghana, and Liberia, 2017-2022
	Mendez-Rivera, Letzibeth	12:10-12:20	Discovery of potent Zika virus-specific and cross-neutralizing monoclonal antibodies targeting quaternary epitopes

*HJF has made every effort to provide an accurate and comprehensive accounting of the presenters and their subject matter participating in MHSRS. Thank you for sharing the results of your research efforts and representing HJF .