

# 2022 MHSRS POSTER SESSIONS BY TOPIC AREA

## POSTER SESSION 1

**Tuesday, 13 September 2022**

**1000 – 1200**

*Poster Set-up: Beginning at 0900*

*Presenters at Posters: 1000 – 1200*

*Poster Take-down: By 1400*

Advances in Prolonged Care

Trauma Resuscitation and Critical Care on the Future Battlefield

Advanced Decision Support and Automation Technologies to Support Combat Casualty Care in Future Multi-Domain Operations

Novel Strategies for Treatment of Shock or Blood Failure: Blood and Blood Products

Cellular Therapeutics for Treatment of Shock and Trauma

Emerging Technologies for Treatment of Non-compressible Torso Hemorrhage

Pathophysiology of Combined Traumatic Injury

Point of Injury Care: From Bench to Battlefield

Multi-Organ Dysfunction in Prolonged Field Care Scenarios

Burn Injury Management in Theater

Treatment Innovations for Acute Respiratory Distress Syndrome (ARDS)

What's New in Airway Science and Technology

Expeditionary Eye Care

En route Care Innovation - Increasing Effectiveness of En Route Combat Casualty Care

Novel Interventions for Non-pharmacological Pain Management

Pain Management for the Future Fight

Research Investigations on Implementation of Novel Learning and Education Training Strategies to Improve Readiness for Battlefield Care

Force Health Protection: Research in Exposure and Risk Assessment

Military Exposures and Subsequent Long-term Outcomes

Wearables: Future Capability, Past Successes and Current Challenges in a Deployed Environment

**MEDICAL READINESS**

**EXPEDITIONARY MEDICINE**

**WARFIGHTER PERFORMANCE**

**RTD**

**OTHER**

# 2022 MHSRS POSTER SESSIONS BY TOPIC AREA

## POSTER SESSION 2

**Tuesday, 13 September 2022**

**1600 – 1800**

*Poster Set-up: Beginning at 1500*

*Presenters at Posters: 1600 – 1800*

*Poster Take-down: By 1900*

Acutely Administered Interventions for Battlefield Traumatic Brain Injury
Battlefield Biomarkers for TBI: Diagnostic and Prognostic Indicators
Novel Clinical Assessments and Interventions for mild Traumatic Brain Injury
Military-Centric Therapeutic Strategies for Traumatic Brain Injury
Advances in Blast-Induced Neurotrauma and Battlefield Treatments
Blast Overpressure and Acoustic Sensor, and PPE Effectiveness across Different Environmental Conditions
Blast, Blunt, Accelerative Exposure in Military Training Exercises
NDAA FY18 Sec 734 - The Longitudinal Medical Study on Blast Exposure of Members of the Armed Forces: Program Overview and Updates
Advancements in Prosthetic and Orthotic Technologies
Advances in Regenerative Medicine Therapies for Treatment of Neuromusculoskeletal Injuries: Enabling Enhanced Functional Outcomes
Injury Biomechanics and Prevention for Military Applications
Treatment Strategies Following Musculoskeletal Injury
Innovative Technologies, Strategies, Models, and Analytical Tools for Predicting, Preventing, Tracking and Treating Musculoskeletal Injuries of the Warfighter
Advances in Craniofacial Trauma and Infections: Preventative, Reconstructive, Rehabilitative and Regenerative Strategies to Accelerate Return-to-Duty
Biomedical Manufacturing for Warfighter Treatment Needs
Precision Medicine Research: Optimizing Warfighter Healthcare, Readiness, and Return to Duty
Artificial Intelligence, Machine Learning, and Predictive Analytics in Military Medicine

MEDICAL READINESS	EXPEDITIONARY MEDICINE	WARFIGHTER PERFORMANCE	RTD	OTHER
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# 2022 MHSRS POSTER SESSIONS BY TOPIC AREA

## POSTER SESSION 3

Wednesday, 14 September 2022

1000 – 1200

*Poster Set-up:* Beginning at 0900

*Presenters at Posters:* 1000 – 1200

*Poster Take-down:* By 1400

Development of New Front Line Therapies to Prevent & Treat Endemic Viral Diseases (non SARS CoV-2)

Antimicrobial Development to Counter Wound Infections in Military Personnel

Mitigating Bloodborne Infection Risk in Large Scale Combat Operations

Sepsis 360 - Early Detection and Treatment in the Operational Environment

SARS CoV-2 Therapeutics and Diagnostics

SARS CoV-2 Clinical Studies/Epidemiology

Integrative Prevention Approaches to Decrease Harmful Behaviors and Increase Service Member Psychological Health, Readiness, & Performance

Solutions to Promote Resilience and Mitigate Acute Stress in the Face of Trauma and Mass Casualty Events

Stress and Adjustment Disorders in Military Service Members

Suicide Prevention Research Initiatives in DoD

Clinical Practice Guidelines for Behavioral Health Interventions in Forward Locations for Non-Specialty Providers

Employment of Advanced Technologies for Integrated Health Monitoring and Geolocation for Training and Operations in Multi-Domain Environments

Human and Machine Co-Learning

Technologies and Approaches to Support Specialty Virtual Health in Denied, Intermittent, or Low-Bandwidth Communications Environments

Improving Warfighter Readiness and Performance through Health Services Research

Update on Women's Health

Advances in Warfighter Nutrition

Improving Sleep in the DoD: Investigations in Operational, Therapeutic, and Biomarker Strategies

MEDICAL READINESS

EXPEDITIONARY MEDICINE

WARFIGHTER PERFORMANCE

RTD

OTHER

Novel Treatments, Strategies, and Technologies in Hearing and Balance Health

Addressing Sensory Illusions and Motion Sickness

Ongoing Health Issues in Military High Performance Flight

Undersea Training and Operational Research

MEDICAL READINESS

EXPEDITIONARY MEDICINE

WARFIGHTER PERFORMANCE

RTD

OTHER