



Breakout Sessions

Monday, 19 August

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Breakout Sessions

Breakout Session Time	Topic Area	Time	Presentation Title	MHSRS Number	Presenter	AMA	ANCC	APA
Osceola Ballroom								
0815 - 1130	PLENARY SESSION AM		The Future of the Military Health System: Advancing the Integrated System of Readiness and Health		Mr. Thomas McCaffery	No CE		
			Military Medical Research: Integrated Solutions for a Joint Force		VADM Raquel Bono, USN			
			Scientific Collaboration is the Source of Strength We Need for the Future of our National Security		Terry Rauch, Ph.D.			
			Introduction of the MHS affiliated Issue of Health Affairs Journal: The Intersection of Military and Civilian Medicine		Alan Weil, J.D., M.P.P.			
Sun B								
One Hour Session 1330 - 1430	Expeditionary Nursing		Opening Remarks		RADM Mary Riggs, USN		X	
		1330 - 1345	Translating Bedside Care To Battlefield Readiness: Clinical Readiness	MHSRS-19-00510	LTC Danielle Holt, USA		X	
		1345 - 1400	Perceived Knowledge, Skills, And Preparedness For Disaster Management Among Military Healthcare Personnel	MHSRS-19-00299	CAPT Heather King, USN		X	
		1400 - 1415	Nursing Competencies For En Route Patient Staging And Preparation	MHSRS-19-01636	Col (Ret) Elizabeth Bridges, USAF		X	
		1415 - 1430	Enteral Nutrition In The Deployed Ground Setting And Critical Care Air Transport	MHSRS- 19-01357	Kayla Eaton, BSN Capt Sarah Woody, USAF		X	
Sun D456								
One Hour Session 1330 - 1430	Ocular Injuries Caused by Exposure to Blast Overpressure	1330 - 1340	A Century Of The Military Blast Eye: "Atmospheric Concussion" Eye Injuries In The Great War And Now	MHSRS-19-01051	COL (Ret) Robert Mazzoli, M.D.	X	X	
		1340 - 1350	Post-injury Treatment With Microparticles And Erythropoietin Protects Against Repeat Blast-induced Optic Neuropathy By Blocking Oxidative Stress	MHSRS-19-01790	Tonia Rex, Ph.D.	X	X	
		1350 - 1400	Antibodies Against Lysophosphatidic Acid Protect Against Blast-induced Ocular Dysfunctions	MHSRS-19-01061	Peethambaran Arun, Ph.D.	X	X	
		1400 -1410	Experimental Research On Blast-induced Ocular Trauma: Methodologies Are Too Heterogeneous	MHSRS-19-01028	James Karesh, M.D.	X	X	
		1410 - 1420	Artificially Intelligent Risk Analysis Model For Estimating Primary Blast Vision Loss	MHSRS-19-01197	Michael Smolek, Ph.D.	X	X	
		1420 - 1430	Discussion & Wrap-up			X	X	
Sun C 123								
One Hour Session 1330 - 1430	Managing Physiologic Events in Military Aviation	1330 - 1350	The Impact Of High Oxygen Levels On Cerebral Perfusion	MHSRS-19-01758	Ryan Mayes, MPH, Ph.D.	X	X	X
		1350 - 1410	The Potential Of Exogenous S-nitrosothiol In Combatting Physiological Episodes Among Military Aviators: Evidence From Gulf War Illness	MHSRS-19-02514	Brahmajothi Mulugu, MHS, Ph.D.	X	X	X
		1410 -1430	A Comparison Of The Sensitivity And Responsiveness Of Pulse Oximetry Measured At The Finger Versus The Forehead	MHSRS-19-01403	Jeffery Phillips, Ph.D.	X	X	X

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Sun A								
Three Hour Session 1430 - 1730	TBI Biomarkers: Diagnostic & Prognostic Indicators	1430 - 1442	Reverse Translational Approach On Using Neuroimaging And Blood-based Precision Biomarkers As Endpoint Assessments For TBI Subphenotyping In Three Different Rat TBI Models	MHSRS-19-02453	Kevin Wang, Ph.D.	No CE		
		1442 - 1454	Using Blood-brain Barrier Organ-on-a-chip Technology To Investigate Biomarkers Of Neurological And Psychological Disorders	MHSRS-19-0246	Dao Ho, Ph.D.	X	X	X
		1454 - 1506	Can Transcranial Doppler Ultrasound Be Used To Monitor Brain Dysfunction Following Concussion?	MHSRS-19-01085	Sushmita Purkayastha, Ph.D.	X	X	X
		1506 - 1518	Return To Activity Assessment Based On Hemodynamic Alterations After Mild Traumatic Brain Injury Using Transcranial Doppler Ultrasound	MHSRS-19-02370	Seth Wilk, Ph.D.	X	X	X
		1518 - 1530	Regional Brain Saturation Oxygenation In Chronic Mild TBI: Effect Of Hypoxia As A Stress Paradigm	MHSRS-19-00229	Leonard Temme, Ph.D.	X	X	X
		1530 - 1542	Discovery Of Salivary Biomarkers For TBI And mTBI Detection Using A Novel Nanotechnology Based Biomarker Capture Technology And Autoantibdy Based Profiling	MHSRS-19-02424	Emanuel Petricoin, Ph.D.	X	X	X
		1542 - 1554	PANEL Q&A					
		1554 - 1606	Identification And Objective Assessment Of Readiness To Return To Normal Activity Using A Multimodal EEG-based Biomarker For Concussion	MHSRS-19-01371	Leslie Prichep, Ph.D.	X	X	X
		1606 - 1618	Reliable Measures Of Reduced Brain Connectivity In Chronic Post-concussive Syndrome - A Team TBI Study	MHSRS-19-01099	Donald Krieger, Ph.D.	X	X	X
		1618 - 1630	Fiber Tract Asymmetry: A Novel Approach To Assessing White Matter Integrity With Diffusion Tensor Imaging In Traumatic Brain Injury	MHSRS-19-02656	Angsar Furst, Ph.D.	X	X	X
		1630 - 1642	Longitudinal Evaluation Of Quantitative Neuroimaging Following Combat Concussion Sub-acute, 1-year, And 5-years Post-injury	MHSRS-19-00384	Christine MacDonald, Ph.D.	X	X	X
		1642 - 1654	Predicting TBI Exposure History Using Genetic, Neuroimaging, And Symptom Reporting Variables: A Preliminary CENC Study	MHSRS-19-01289	David Tate, Ph.D.	X	X	X
		1654 - 1706	Localizing Patterns Of Blast Traumatic Brain Injury From Different Blast Scenarios And Correlating To Clinical Injury Patterns	MHSRS-19-01959	Maj Adam Willis, USAF	X	X	X
		1706 - 1718	Protein Biomarkers That Predict Return To Play In Athletes	MHSRS-19-01289	Jessica Gill, Ph.D., R.N.	X	X	X
1718 - 1730	PANEL Q&A							

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Sun B										
Three-Hour Session 1430 - 1730	Management & Treatment of Warfighter Neuromusculoskeletal Injuries	1430 - 1444	Can Targeting Pathologic Fibrosis And Muscle Stiffness Following Limb Trauma Optimize Skeletal Muscle Function?	MHSRS-19-00460	Sarah Greising, Ph.D.	X	X			
		1444 - 1458	Non-invasive Imaging Modalities For Immune Monitoring Of Vascularized Composite Allografts Using A Translational Large Animal Model	MHSRS-19-00518	Gerald Brandacher, M.D.	X	X			
		1458 - 1513	Development Of A Novel Porcine Metacritical Sized Bone Defect Model	MHSRS-19-01068	Todd McKinley M.D.	X	X			
		1513 - 1527	PEG Fusion Significantly Improves Recovery From Median Nerve Injury In Rat Forelimb Model And Multi-nerve Injury In Rat Forelimb Allotransplantation	MHSRS-19-01829	Jaimie Shores, M.D.	X	X			
		1527 - 1541	4-aminopyridine: A Single-dose Diagnostic Agent To Differentiate Nerve Crush And Transection	MHSRS-19-01378	John Elfar, M.D.	X	X			
		BREAK								
		1551 - 1605	Musculoskeletal Injury Rates Across The U.S. Army: A Review Of The Data And Risk Mitigation Initiatives	MHSRS-19-01851	Timothy Pendergrass, DScPT	X	X			
		1605 - 1619	Self-reported Musculoskeletal Injuries During U.S. Military Secondary Training And Medical Seeking Behaviors	MHSRS-19-02057	Amelia Barrett, M.S.	X	X			
		1619 - 1633	Commissioning Route Significantly Influences Presence Of Ankle Dorsiflexion Asymmetry In Newly Commissioned Military Officers	MHSRS-19-00962	Amelia Barrett, M.S.	X	X			
		1633 - 1648	The Use Of The Rapid Acquisition Package For Tracking Outcomes In Rehabilitation System On Assessing Injury And Rehabilitation Trends In Outpatient Physical Therapy	MHSRS-19-00563	Matthew Hartshorne, DPT	X	X			
		1648 - 1702	Prediction Of Low Back Disorder Recovery Using Trunk Motion Measures And Patient Reported Outcomes	MHSRS-19-00848	William Marras, Ph.D.	X	X			
		1702 - 1716	Pulsed Electromagnetic Field Therapy Effect On Muscle Function Following Nerve Injury And Repair	MHSRS-19-01812	Daniel Lara, M.D.	X	X			
1716 - 1730	Factors Influencing Medical Separation Risk Amongst U.S. Service Members Following Anterior Cruciate Ligament Reconstruction	MHSRS-19-01945	Timothy Mauntel, Ph.D.	X	X					

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Three-Hour Session 1430 - 1730	Predictive Analytics within the Military Health System	1430 - 1435	Opening Remarks Predictive Analytics Across the Military Health System		Jesus Caban, Ph.D.	X	X	X
		1435 - 1455	Bringing The MHS Into The Future Through Advanced Analytics		Terry Adirim, M.D., MPH	X	X	X
		1455 - 1515	DHA Analytics And Evaluation Division		COL Jenifer Meno, USA	X	X	X
		1515 - 1530	MHS And DHA Leadership Q&A - Analytics Across the MHS		Terry Adirim, M.D., MPH COL Jenifer Meno, USA	X	X	X
		1530 - 1542	Predicting Suicide From Social Codes In Electronic Health Records	MHSRS-19-00883	Sanja Avramovic, Ph.D.	X	X	X
		1543 - 1555	Identifying At-risk Soldiers Transitioning From Military Service To Civilian Life In The STARRS-LS Survey	MHSRS-19-01142	Ronald Kessler, Ph.D.	X	X	X
		1556 - 1608	Linguistic Analysis Of Free-text Clinical Notes May Add Additional Predictive Value To Existing VA Suicide Risk Models	MHSRS-19-00451	Maxwell Levis, Ph.D.	X	X	X
		1609 - 1621	Machine Learning Models To Predict The Onset Of Mental Health Conditions Following A First mTBI	MHSRS-19-02513	Peter Hoover, M.S.	X	X	X
		1622 - 1630	Validating The VA Storm Opioid Risk Model In The Active Duty Population	MHSRS-19-01239	William Kazanis, M.S.	X	X	X
		1630 - 1642	A Comparison Of Machine Learning Algorithms To Predict Patients With A High Number Of Opioid Prescriptions In The Military Health System	MHSRS-19-01364	Lee A. Zarzabal, M.S.	X	X	X
		1643 - 1655	Determining Standards For Identifying Candidates For Case Management Using Clinical Data	MHSRS-19-01228	Jacob Dunham, M.S.	X	X	X
		1656 - 1708	Contribution Of Care Source To Cancer Treatment Cost Variation In The U.S. Military Health System	MHSRS-19-00938	Yvonne Eaglehouse, Ph.D., MPH	X	X	X
		1709 - 1721	Predicting Future Occurrence Of A cute Hypotensive Episodes Using Non-invasive And Invasive Features	MHSRS-19-01271	Yifei Sun, B.S.	X	X	X
		1722 - 1730	Early Prediction Of Hemorrhage Using A Multiplex Machine Learning Approach	MHSRS-19-02559	Navid Rashedi, M.S.	X	X	X

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Sun D456								
Three-Hour Session 1430 - 1730	Blood & Blood Products	1430 - 1443	Coagulation Function Of Never Frozen Liquid Plasma Stored For 40 Days	MHSRS-19-00033	Michael Adam Meledeo, Ph.D.	X	X	
		1443 - 1456	Freeze Dried Plasma Stability Under Pre-hospital Field Conditions	MHSRS-19-00195	MAJ Meital Zur, USA	X	X	
		1456 - 1509	Intercept Pathogen Reduction Technology And Cold-stored Platelets: Impact On Platelet Function And Activation	MHSRS-19-00039	Kristin Reddoch-Cardenas, Ph.D.	X	X	
		1509 - 1522	Erythromer: A Field-deployable, Freeze-dried, Bio-inspired, Artificial Red Blood Cell For Remote Damage Control Resuscitation And Prolonged Field Care	MHSRS-19-01809	Jennifer Richards, Ph.D.	X	X	
		1522 - 1535	Enhancing Transfusable Platelets For Hemorrhage Control Using Liposomal Transfection	MHSRS-19-02583	Christian Kastrup, Ph.D.	X	X	
		1535 - 1548	Major Thermal Injury Induces Derangements In Markers Of Fibrinolysis	MHSRS-19-02252	John Keyloun, M.D.	X	X	
		1548 - 1601	Severe Trauma In Rats Leads To Platelet Dysfunction Due To An Elevation In Camp And Adenylate Cyclase Activity	MHSRS-19-00549	Daniel Darlington, Ph.D.	X	X	
		1601 - 1614	Predictive Model For Platelet Transfusion In Patients With Acute Haemorrhage	MHSRS-19-01910	Lieutenant Andrew W.J. Flint, Royal Australian Navy	X	X	
		1614 - 1627	Platelet Transfusion After Traumatic Intracranial Hemorrhage In Patients On Antiplatelet Agents: More Platelets May Be Better	MHSRS-19-02086	Adil Lokhandwala, M.D.	X	X	
		1627 - 1640	The Protective Effects Of Dried Platelets On Vascular Permeability In Hemorrhagic Shock Induced Lung Injury	MHSRS-19-02115	Shibani Pati, M.D., Ph.D.	X	X	
		1640 - 1653	Effects On Bacterial Contamination In Whole Blood Following Loss Of Temperature Control During Transport	MHSRS-19-00806	Patrick Ketter, Ph.D.	X	X	
		1653 - 1706	PolyHb Toxicity Is Mediated By Molecular Weight	MHSRS-19-02460	Alexander Williams, B.S.	X	X	
1706 - 1730	Blast From The Past: Our Experience With Our First 100 Patients In A Modern Whole Blood Program	MHSRS-19-00636	CDR Douglas Pokorny, USN	X	X			
Miami								
Two-Hour Session 1330 - 1530	Innovative Countermeasures & Diagnostics to Emerging Infectious Diseases	1330 - 1345	Considering The Medical Countermeasure Options For An Emerging Infectious Disease Before The Patient Arrives – The Special Pathogen Research Network Initiative	MHSRS-19-02136	Mark Kortepeter, M.D.	X	X	
		1345 - 1400	A Portable Platform For Label-free Virus Enrichment And Fast/accurate Virus Identification Using Raman Spectroscopy	MHSRS-19-00551	Yin Ting Yeh, Ph.D.	X	X	
		1400 - 1415	Macrocyclic NS2B-NS3 Protease Inhibitors To Combat Infection By Dengue, ZIKA, And Other Flaviviruses	MHSRS-19-02112	Mark Peterson, Ph.D.	No CE		
		1415 - 1430	Generate Influenza Hemagglutinin Protein With 4-nitrophenylalanine Incorporation	MHSRS-19-02294	Harrison Dulin, Ph.D.	X	X	
		1430 - 1445	Engineered PAN-flavivirus Neutralizing Antibodies	MHSRS-19-02615	Rajeswer Sankhala, Ph.D.	X	X	
		1445 - 1500	Dengue Human Challenge Model: A Tool For Dengue Countermeasure Development And Platform To Study Complex Mechanisms Of Protection And Disease Pathogenesis	MHSRS-19-01498	LTC Richard Jarman, USA	X	X	
		1500 - 1515	Safety And Immunogenicity Of A Middle East Respiratory Syndrome Coronavirus DNA Vaccine	MHSRS-19-02419	Kayvon Modjarrad, M.D., Ph.D.	X	X	
		1515 - 1530	Rapid Generation Of Live-attenuated, Tetravalent Dengue Vaccine Using A Computational, Synthetic Biology-based Platform	MHSRS-19-01654	Anna Kushnir, Ph.D.	X	X	

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Naples								
Two-Hour Session 1330 - 1530	Acute Lifesaving Trauma Interventions	1330 - 1335	Opening Remarks		Thomas Walters, Ph.D.	X	X	
		1335 - 1345	The Evolution Of Pre-hospital Emergency Care In The British Army – Lessons For Organisational Learning	MHSRS-19-00188	Martin Bricknell, DM, Ph.D.	X	X	
		1345 - 1355	What Do You Do When A Tension Pneumothorax Needs Treatment And The Last Man Standing Is Wearing A Bomb Disposal Suit? Remote Mentoring Of In-transport Tube Thoracostomy By Procedure Naïve Personnel	MHSRS-19-2525	Jessica Mckee, B.A., MSc	X	X	
		1355 - 1405	Rapid Reconstitution Packages For Storage And Delivery Of Emergency Drugs In Combat Theater	MHSRS-19-00608	Noel Elman, Ph.D.	X	X	
		1405 - 1415	Tranexamic Acid Biologic Effects And Clinical Outcomes In Adult Trauma Patients	MHSRS-19-00656	Philip Spinella, M.D.	X	X	
		1415 - 1425	Hemodynamic Effects Of Rapid Sequence Intubation Premedication Agents On Severely Battle Injured Patients Presenting To U.S. Marine Corps Forward Surgical Care Facilities In Iraq And Afghanistan	MHSRS-19-01260	Alec Emerling, M.D.	X	X	
		1425 - 1435	Comparison Of 10 Gauge Vs 14 Gauge Angiocatheter For Treatment Of Tension Pneumothorax And Tension Induced Pulseless Electrical Activity With Concomitant Hemorrhagic Shock: Bigger Is Still Better	MHSRS-19-01743	Emily Norris, M.D.	X	X	
		1435 - 1445	Intrathoracic Pressure Regulator Performance in the Setting of Hemorrhage And Acute Lung Injury	MHSRS-19-01111	Mackenzie Morris, M.D.	X	X	
		1445 - 1455	A Seven-year Study Of Patient Injury Patterns And Procedural Burden Experienced By U.S. Military Role 2 Forward Surgical Teams In Afghanistan	MHSRS-19-01322	Amanda Staudt, Ph.D.	X	X	
		1455 - 1505	Emergency Laparotomies In Soldiers: The IDF Experience	MHSRS-19-01469	Avishai Tsur, M.D.	X	X	
		1505 - 1515	Use Of Combat Casualty Care Data To Assess The U.S. Military Trauma System, 2001-2017	MHSRS-19-01794	Jeffry Howard, Ph.D.	X	X	
		1515 - 1525	Comparison Of Military And Civilian Trauma Procedures To Help Inform The Establishment Of Military Civilian Trauma Partnerships.	MHSRS-19-00247	Caryn A Stern, DrPH, MPH	X	X	
		1525 - 1530	Wrap-up		Thomas Walters, Ph.D. Kathy Ryan, Ph.D.	X	X	

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Tallahassee								
Two-Hour Session 1330 - 1530	Early Research in Total Exposure Health	1330 - 1335	Introduction		Dirk Yamamoto, Ph.D. Lt Col Kathy Fullerton, USAF	X	X	
		1335 - 1350	The Total Exposure Health Approach To Hearing Health: Assessing Genetic, Environmental, And Socio-ecological Influences On Behavioral Outcomes	MHSRS-19-00629	Tanisha Hammill, Ph.D.	X	X	
		1350 - 1405	Statistical And Machine Learning Methods For Using Sensor Monitoring Systems To Predict Asthma Exacerbations	MHSRS-19-01920	Sandrah Eckel, Ph.D.	X	X	
		1405 - 1420	The Los Angeles Prisms Breathe Kit: A Wearable, Sensor-based mHealth Platform For 24/7 Real-time Measurement, Integration And Analysis Of Environmental Exposure, Geolocation And Physiological Data	MHSRS-19-01564	Rima Habre, Sc.D.	X	X	
		1420 - 1435	The Microbiome Of Occupants And The Built Environment At The United States Air Force Academy	MHSRS-19-02291	Katherine Bates, Ph.D.	X	X	
		1435 - 1450	Genome-wide Polygenic Risk Scores Identify Individuals At Elevated Risk For Hearing Loss	MHSRS-19-01897	C. Scott Gallagher, Ph.D.	X	X	
		1450 - 1505	A Novel Subject Matter Expert-informed Approach To Assess The Likelihood Of Long-term Injury Following Acute Exposures	MHSRS-19-02446	Kevin Wegman, M.S.	X	X	
		1505 - 1520	Development Of A Data And Analytics Infrastructure For Total Exposure Health Research	MHSRS-19-01802	Ramkiran Gouripeddi, M.D.	X	X	
		1520 - 1530	Q&A					
Tampa								
Two-Hour Session 1330 - 1530	Far Forward Military Behavioral Health Innovations	1330 - 1354	Addressing Behavioral Health Concerns On The Far-forward Battlefield: The Army's Current and Planned Efforts	MHSRS-19-02047	Katie Nugent, Ph.D.	X	X	X
		1354 - 1418	The Behavioral Health Readiness Evaluation And Decision-making Instrument Study	MHSRS-19-02491	LTC Justin Curley, USA	X	X	X
		1418 - 1442	The Behavioral Health Officer: A Vital Role In Far Forward Behavioral Health Delivery	MHSRS-19-01841	MAJ James MacDonald, USA	X	X	X
		1442 - 1506	Optimizing The Scalability Of Evidence-based Behavioral Sleep Medicine Practices: From Clinics To Far Forward Operations	MHSRS-19-01491	Anne Germain, Ph.D.	X	X	X
		1506 - 1530	Towards A Resilient Warfighter Anywhere: Development Of A Wearable Intelligent Cognitive Behavioral Therapy Coach To Serve Where Therapists Cannot	MHSRS-19-01850	Mariya Gusman, M.D.	X	X	X

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Miami								
Two-Hour Session 1600 - 1800	Non-vaccine Approaches to Prevent or Treat Militarily Related Infections	1600 - 1620	Practice Variation And Gaps In The Deployment And Travel Medicine Knowledge Attitude, Practice And Outcomes Study	MHSRS-19-00649	COL Patrick Hickey, USA	X	X	
		1620 - 1640	Development Of An Innovative Differential Diagnosis Application For Tick-borne Diseases To Improve Clinical Diagnosis And Facilitate Early Treatment	MHSRS-19-00559	Corey Meyer, Ph.D.	X	X	
		1640 - 1700	Engineering Lactobacillus Communities With A Sense-And-Response Circuit For Pathogen Detection And Biomolecule Delivery	MHSRS-19-01662	Scott Walper, Ph.D.	X	X	
		1700 - 1720	Human-immune-system DRAGA Mice For Infectious Diseases Research And Generation Of Therapeutic Human Monoclonal Antibodies	MHSRS-19-01755	Sofia Casares, Ph.D.	X	X	
		1720 - 1740	Prevention And Treatment Of Post-burn Infections In Mice And Sheep With The Toll-like Receptor 4 Agonist Monophosphoryl Lipid A	MHSRS-19-02014	Julia Bohannon, Ph.D.	X	X	
		1740 - 1800	An Open Label Study Of The Safety And Efficacy Of Weekly Chloroquine And Azithromycin Administered In Combination For Malaria Prophylaxis In Healthy Adults Challenged With Chloroquine-resistant P. Falciparum In A Controlled Human Malaria Infection Model	MHSRS-19-01361	LTC Jeffery Livezey, USA	X	X	
Naples								
Two-Hour Session 1600 - 1800	Spinal Musculoskeletal Injury Prevention in Fixed & Rotary Wing Environments (1600-1700)	1600 - 1609	A Comparison Of Non-human Primate Injuries Documented In Horizontal Versus Vertical Sled +Gz (Head-to-foot) Impact Accelerations	MHSRS-19-00144	Alicia Abraczinskas, B.S.	X	X	
		1609 - 1617	Pelvic Injury Risk Curves For The Military Populations From Lateral Impact	MHSRS-19-00482	Narayan Yoganandan, Ph.D.	X	X	
		1617 - 1626	Vertebral Level-dependent Kinematics Of Female And Male Necks Under G+x Loading	MHSRS-19-00872	Jamie Baisden, M.D.	X	X	
		1626 - 1635	Recommendations For Mitigating Aircrew Neck Pain From The NATO HFM-252 Research Task Group	MHSRS-19-01482	Barry Shender, Ph.D.	X	X	
		1635 - 1643	Upright MRI Study Of Cervical Flexor/extensor Musculature And Cervical Lordosis In Females After Helmet Wear	MHSRS-19-00878	Hoon Choi, M.D.	X	X	
		1643 - 1652	Measurement Of C-spine Kinematics During Simulated Work Conditions Using Dual Ultrasound	MHSRS-19-01533	Amin Mohamadi, M.D.	X	X	
		1652 - 1700	Patient Reported Outcomes Of Treatment Based Classification And Injury Prevention Program For Addressing Low Back Pain In Helicopter Aircrew	MHSRS-19-02274	Trevor Kingsbury, M.A.	X	X	

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Naples								
	Securing Warfighter Dominance in Future Air Battlespace (1700-1800)	1700 - 1705	Introduction		CAPT Joseph Cohn, USN	X	X	X
		1705 - 1715	Leveraging Augmented, Virtual, And Mixed Reality for Student Naval Aviator Training	MHSRS-19-02251	LT Joseph Mercado, USN	X	X	X
		1715 - 1725	Machine Learning Approaches to Naval Aviation Training, Selection, And Assessment: Opportunities And Challenges	MHSRS-19-01530	LT Eric Vorm, USN	X	X	X
		1725 - 1735	Progress Towards the Development of an Army Aviator Risk Assessment Model	MHSRS-19-01243	Thomas Harding, Ph.D.	X	X	X
		1735 - 1745	Enhancing Performance through Vision: Sports Vision Training in Collegiate Baseball Hitters	MHSRS-19-00055	MAJ Lyndsey Ferris, USA	X	X	X
		1745 - 1755	Neuroergonomics of the Human-Machine Interface: Radiologist Image Processing as a Model of Warfighter Perceptual Error	MHSRS-19-00300	Mariya Gusman, M.D.	X	X	X
		1755 - 1800	Closing Remarks		LT Todd Seech, USN	X	X	X
Tallahassee								
Two-Hour Session 1600 - 1800	Approaches to Prevention & Treatment of High Risk Behaviors	1600 - 1615	Sexually Transmitted Infections, Sexual Risk Behavior And Alcohol Misuse Among U.S. Navy And Marine Corps Shipboard Service Members	MHSRS-19-00500	Judith Harbertson, Ph.D., MPH	X	X	X
		1615 - 1630	Improving The Military Health System's Response To Emerging At-risk Alcohol Problems	MHSRS-19-00763	Rachel Sayko Adams, Ph.D., MPH	X	X	X
		1630 - 1645	Eliminating High-cost, Low-value Care. Implementation Of A Multidisciplinary Clinical Practice Guideline Reduces Admissions For Low-risk Alcohol Withdrawal Syndrome At A Large Military Treatment Facility	MHSRS-19-00274	LT Erran Briggs, USN	X	X	X
		1645 - 1700	Alcohol Use Disorder: Clinical And Aeromedical Practice Guidelines	MHSRS-19-01793	Ryan Peirson, M.D.	X	X	X
		1700 - 1703	Joint Program Committee-5/Military Operational Medicine Research Program Suicide Strategy		CDR Christopher Steele, USN	X	X	X
		1703 - 1715	Postinjury Mental Health And Health Behaviors Among Service Members Injured On Deployment	MHSRS-19-01356	Cameron McCabe, Ph.D.	X	X	X
		1715 - 1730	Development Of The Army's Suicide Prevention Leadership Tool	MHSRS-19-02444	LTC Justin Curley, USA	X	X	X
		1730 - 1745	Separation From Active Duty Service And Suicidality: Inaccurate Affective Forecasting?	MHSRS-19-01749	Anna Gai, M.S.	X	X	X
		1745 - 1800	Military Suicide Research Consortium High-impact Findings	MHSRS-19-02418	Peter M. Gutierrez, Ph.D. Thomas Joiner, Ph.D.	X	X	X

Monday, 19 August

Breakout Sessions

Breakout Session Time	Topic Area	Time	Presentation Title	MHSRS Number	Presenter	AMA	ANCC	APA
Tampa								
Two-Hour Session 1600 - 1800	Acute Lung Injury in Trauma & Critical Illness	1600	Welcome & Introduction		MAJ Sandy Snyder, USA	X	X	
		1600 - 1615	Early Identification of Acute Lung Injury in a Porcine Model of Hemorrhagic Shock	MHSRS-19-01109	Mackenzie Morris, M.D.	X	X	
		1615 - 1630	Early Phase Effects Of Resuscitation Strategy On Extravascular Lung Water And The Development Of Acute Lung Injury In An Experimental Porcine Hemorrhage-reperfusion Model	MHSRS-19-02616	CPT Robert Conrad, USA	X	X	
		1630 - 1645	Does Driving Pressure Matter During ECLS For Trauma With Single Lung Ventilation?	MHSRS-19-00053	Andriy Batchinsky, M.D.	X	X	
		1645 - 1700	Minimally Invasive ECCO2R Using The Cardiohelp Permits Reductions In Ventilator Settings In Swine With Smoke Inhalation And Burns	MHSRS-19-00056	Andriy Batchinsky, M.D.	X	X	
		1700 - 1715	A Heparin-free Technique For Improving ECLS Performance	MHSRS-19-00272	Yanyi Zang, B.S.	X	X	
		1715 - 1730	Impact Of Closed Loop Control Oxygenation On Pulmonary Function, Fluid Balance And Survival In Sheep Subjected To Combined Burn And S moke Inhalation	MHSRS-19-01789	Keibun Liu, M.D.	X	X	
		1730 - 1745	Oxygen-on-a-chip For Real-time On-demand Intravenous Oxygen Delivery	MHSRS-19-02116	Brian Polizzotti, Ph.D.	X	X	
		1745 - 1800	Novel Nanocarriers For Lung Inflammation Therapy	MHSRS-19-02499	Natalia Higueta-Castro, Ph.D.	X	X	