
MSOC CONFERENCE WORKSHOP PRESENTATIONS | DAY 1

MONDAY, NOVEMBER 18:

8:00 AM – 8:45 AM

Equipping to Sustain Health

Must have cache equipment and how to pack it

By Vincent Johnson, EMTP, HazTac

Equipping the medical team for mission readiness regardless of typing resource. Meeting equipment needs, maintaining equipment readiness and how to store and pack medical equipment. Discussions will include types of cache equipment, maintenance concerns as well as packing and carrying for the mission.

8:50 AM – 9:40 AM

Rescue vs Recovery–Viability and Risk Assessment

Limited patient access skills and new technologies

By Joshua Dietzer, MD

Complexity of the rescue; Keeping track of the time from when the victim was last seen and type of entrapment plays a big Role in the access and treatment of patients. Disaster terms use the “golden day” as a benchmark to function in rescue mode. What if new technologies can capture specific criteria and assist in the delay of when a team will switch to recovery mode.

9:45AM – 10:30 AM

HazMat: The Three P’s (Prevent, Protect, Pursue)

Special Operations HazMat during deployment

By Katie Roberts, EMTP, FF, Hazmat Technician

This session will review evidence-based approaches to Identifying the correct procedures to prevent secondary contamination of emergency medical personnel at a HazMat incident. Managing a logical approach to preventing further exposure, caring for the patient and form the basis of EMS treatment. Force protection monitoring and surveillance options. Understand why separate plans for mitigating any situation are vital.

10:35 AM – 11:15 AM

Intentional Mass Casualties / (TARMC)

Targeted Automobile Ramming Mast Casualty

By Paige Dodson, MD, MPH, FAAFP

A recent trend toward less-sophisticated terrorist attack methods have emerged. Most notable "low tech" trends are the Targeted Automobile Ramming Mass Casualty (TARMAC) attacks. TARMAC attack-related injuries are unique compared to accidental pedestrian trauma and other causes of mass casualty incidents (MCI), and therefore require special consideration. No other intentional mass casualty scenario is the result of a blunt, non-penetrating trauma mechanism. Direct vehicle impact results in high-power injuries including blunt trauma to the central nervous system (CNS), and thoracoabdominal organs with crush injuries if the victims are run over. Discussion of recent world events in the use of vehicles as weapons causing mass casualty disasters in our communities.

11:20 AM – 12:00 PM

Pediatric Disaster Response

Wind and Water – OH My!

By G. Patricia Cantwell, MD, FCCM

This session will cover lessons learned regarding pediatric medical emergencies, management, and possible complications during catastrophic events. Concerns regarding the emotional trauma that public safety responders encounter when dealing with pediatrics. Review children with special health care needs. Address resources to improve Pediatric Preparedness for disasters.

MSOC CONFERENCE WORKSHOP HANDS-ON SKILLS | DAY 1

MONDAY, NOVEMBER 18:

1:00 PM – 2:00 PM

Advanced Inaccessible Patient Assessment

This session will review evidence-based approaches to identifying available assessment information and procedures that should be performed despite a limited patient exposure situation. Participants will review techniques to maximize information gathering through the use of the examiner's senses, normal EMS, and new search technologies. Perform an exam and obtain as much patient information as possible despite limited patient contact.

2:15 PM – 3:15 PM

Engulfment/Trench Extreme Rescue

Discussion of evidenced based events in reviewing the safety issues and concerns regarding initial assessment, focused history, and physical trauma assessment of the entrapped victim. Details on how to plan, mitigate and organize a medical response. Hands-on entry and victim retrieval in an austere environment.

3:30 PM – 4:30 PM

Ultrasound POCUS and ENT Skills

Using the latest portable devices, learn the fundamentals of point of care ultrasound and its application in the austere environment. The development and implementation of an out-of-hospital ultrasound program will be discussed. Point-of-care ultrasound (POCUS) as a means of enhanced prehospital and hospital-based triage, improved resource utilization, and identify their potential effectiveness during a TARMAC incident. Paramedics do not normally perform ENT exams. However, working in potentially extreme environments these exams could identify a medical issue involving the eyes, ears, or nose requiring a physician to intervene.

5:00 PM – 5:30 PM

Bus Transportation Back to the Hotel

5:30 PM –

Vendor Social

River View Room/North Lobby

SUSAR / MSOC GENERAL CONFERENCE PRESENTATIONS | DAY 2

TUESDAY, NOVEMBER 19:

8:00 AM – 9:00 AM

SUSAR GENERAL SESSION (OPENING)

9:15 AM – 10:30 AM

SUSAR KEYNOTE SPEAKER

10:45 AM – 12:00 PM

SUSAR MEETINGS

12:00PM – 1:00 PM

LUNCH

1:15 PM – 2:00 PM

Advanced Hypothermia Management

By Beau A. Butherus, MD

Prehospital workers, particularly those operating in remote search-and-rescue operations, should avoid inadvertent jerky movement of severely hypothermic patients. The preeminent concern of prehospital management is to focus on preventing further heat loss, rewarming the body core temperature and avoiding precipitating ventricular fibrillation or another malignant cardiac rhythm. Preventing hypothermia remains prudent. Simple, preventive, in-field measures help to prevent hypothermia during rescue- extrication and should be part of the trauma care protocol in rescue systems.

2:15 PM – 3:00 PM

Active Shooter- SWAT Medics and TECC

By Rishi Rattan MD FACS

The likelihood that anyone of us might respond to such an event has increased dramatically. The paradigm for Fire/EMS still has meeting resistance to change in many areas. Still waiting in a cold zone instead with proper training learning operations in the unsecured environment. Review risk mitigation of medics entering "warm zones" with police, even if a shooter has not been contained and a threat still exists. Address the importance of safely introducing the needed life-saving medical care into the warm zone of the incident at or near the point of wounding. An update and overview of recent tactical medicine activities, policies and guidelines from the past years.

3:15 PM – 4:00 PM

Making the Right Call?

Absolute Decision-Making and Understanding Your Role

By Walt Lewis, CFO, EMTP, TRT

We all will face the prospect of arriving at an incident and having our senses overloaded with visual, aural, olfactory and oral stimuli. Most often there is little preparation available, yet the responder is expected to process the stimuli quickly, establish a course of action and get to work. Saving lives and/or keeping those who respond alive is the most challenging thought process known to humanity. Training and conditioning fosters making right choices during these high-stress, time-compressed decision-making process.

4:15 PM – 5:00 PM

Lessons Learned 2019 -

Recap of 2019 Do's and Don'ts

By Darrel Kohls, BBA, EMTP

Sharing lessons learned is a basic tenant of emergency management. Evidence suggests mistakes are repeated incident after incident. as emergency response missions expand to include responsibilities, the ability to capitalize on experience is ever more important. Preparing for the events that will probably occur does not get responders ready for the unusual, unexpected, and unforeseen, circumstances and how to handle them. Lessons of Disasters, Why We Repeat Them, and How We Can Learn From Them is paramount but What about "Lessons We Don't Learn. Thoughts in using our imagination in preparedness training.

MSOC CONFERENCE WORKSHOP PRESENTATIONS | DAY 3

WEDNESDAY, NOVEMBER 20:

8:00 AM – 8:45 AM

Medical Management for Technical Rescue Events -
Special Ops Response to Non-Mission Specific Assignment

By Merrill Bone, BS, F/F, TRT, EMTP

Critical medical care necessary in the technical rescue environment needed to improve patients' survival are either forgotten or never learned. Identify obstacles/impediments to quality medical care in a technical rescue environment. Identify components of efficient evaluation and medical treatment in a technical rescue environment. Tips and strategies for evaluating and treating victims during technical rescues, learning to start with an assessment of probable condition, rescue urgency and medical needs.

8:50 AM – 9:40 AM

Beyond the Entrapment -
Special Operations Medicine

By Benjamin (Trip) McKinnon, F/F, TRT, EMTP

Is the victim(s) really trapped or just inconvenienced. Complexity of the rescue; Addressing past experiences and lessons learned, the Good, the Bad, and the Ugly. Learning how to move forward and how we can do it better. Focus on why proper training is critical for the next one. What will be our next problem to solve and are we ready?

9:45 AM – 10:30 AM

Treating Trauma with Limited Resources -
Hemorrhage Control and Wound Care

By Jason Thompson, EMTP

Excessive hemorrhage can be a devastating scenario. Early identification is essential for prompt, interventions with the goal of rapid bleeding control. Advances in hemorrhage control and new solutions have facilitated minimizing blood loss pending hypovolemic shock. Understanding the utilization of these interventions and procedures may result in a significant improvement in morbidity and mortality for the patient with hemorrhage.

10:35 AM – 11:15 AM

Mayday! Team Member Down –
Update for Team Member Emergency Response

By Eric Allen, F/F, TRT, EMT

Responding to life threatening team member emergencies during a disaster response. Firsthand experience focusing on the urgency of downed responders in confined spaces, and the dangers faced when their evacuations took too long to complete. Different approaches to the problem and solutions that combines emergency evacuation with technical rope rescue.

11:20 AM – 12:00 PM

Medical Considerations for Water MRP's

By Joe Hernandez, EMTP, CTO

Discussion of the recent trend for US&R modular deployments. How this affects the medical cache set up and other responsibilities of the medical team. Where does the medical team personnel and equipment all fit in with Water Rescue Mission Ready Packages Past and future water team deployments including lessons learned.

MSOC CONFERENCE WORKSHOP HANDS-ON SKILLS | DAY 3

WEDNESDAY, NOVEMBER 20:

1:00 PM – 2:00 PM

Difficult Airway Access, Chest Tube and Field Crics

Review evidence-based approaches to identifying available information and airway procedures that should be performed despite a limited patient exposure situation. Participants will practice techniques to maximize advanced airway(s) through the use of senses and outcomes in confined space environments. Participants will have an opportunity to practice surgical airways and chest tubes to assist physicians during special operations incidents.

2:15 PM – 3:15 PM

Trauma Emergency Considerations

Discussion of evidenced based events in reviewing the safety issues and concerns regarding initial assessment, focused history, and physical trauma assessment of the entrapped victim. Details on how to plan, mitigate and organize a medical response. Hands-on entry, hemorrhage control and victim retrieval in an austere environment.

3:30 PM – 4:30 PM

Boats and Medical Equipment Now What?

Discussion on the extended scope of medical response with Water MRP's. Review of tactics used, and lessons learned during recent US&R modular water deployments. Address tactics for securing not only the required equipment but bringing a patient on-board. Safely transport personnel, equipment and victim on a watercraft.

5:00 PM – 5:30 PM

Bus Transportation Back to the Hotel

5:30 PM –

Pump House Social

SUSAR / MSOC GENERAL CONFERENCE PRESENTATIONS | DAY 4

THURSDAY, NOVEMBER 21:

8:00 AM – 11:00 AM

LESSONS LEARNED SYMPOSIUM

HURRICANE FLORENCE - ANIMAL RESCUE CONSIDERATIONS

2019 NEBRASKA FLOODING

2019 MUSCATATUCK EXERCISE

HURRICANE MICHAEL

This session will focus on “lessons learned” from several significant events that occurred recently. Presenters will provide a brief overview of the event and then share successes and lessons learned that will help attendees consider “best practices” for similar events in the future. Events include Hurricanes Florence and Michael in 2018; the 2019 Nebraska Flooding; and the 2019 Muscatatuck Exercise. (events and presenters listed below may be subject to change).

11:15 AM – 12:00 PM

CLOSING