



April 24 - 28, 2019

Ocean City, MD

Presented By:

**Maryland's Regional EMS Advisory Councils
The Maryland Institute for Emergency Medical Services Systems**

Maryland EMS Care 2019

April 24 – 28, 2019

The Clarion Resort Fontainebleau Hotel in Ocean City, Maryland

The Program

Once again, EMS Care is bringing new and exciting nationally recognized speakers to town, as well as bringing back your favorite presenters from years past. Three full days of pre-conference workshop offerings will begin on Wednesday, April 24, 2019. Renowned speakers on today's hot topics and an enticing resort setting make this an inviting conference for emergency medical services providers, nurses, fire/rescue personnel, and their families.

Continuing Education

All workshops have been approved by the Maryland Institute for Emergency Medical Services Systems (MIEMSS) for continuing education for ALS and BLS providers. Throughout the weekend EMTs can fulfill the 12 hours of didactic (4 Medical, 4 Trauma, and 4 Local) training required for recertification. A 12-hour EMT skills class will be available as a pre-conference offering as well. Conference staff will be available on-site to assist attendees with their CEU requirements. For specific questions regarding continuing education requirements, please contact the MIEMSS Office of Licensure and Certification at 410-706-3666.

The Hotel

EMS Care 2019 will be returning to the beautiful Clarion Resort Fontainebleau Hotel located at 10100 Coastal Highway, Ocean City, Maryland, 21842. The room rates for the conference are as follows: Single/Double \$128/night, Executive King \$148/night, Studio King \$158/night, Cabana \$178/night. All rates are based on single or double occupancy; a \$15/night charge will be applied for extra persons. Children under 18 stay free in their parent's room. To receive these rates, you must make your reservations **NO LATER** than April 5, 2019. After this date, the room rates will return to the prevailing rate. The block of rooms reserved for conference participants will fill up quickly. For more information or to make your reservations, call 1-800-638-2100 and request the EMS Care group rate or visit the Clarion website (www.clarionoc.com). **NOTE: All reservations should be made directly through the Clarion in Ocean City, Maryland. Reservations made through corporate Clarion may not accurately reflect room availability or pricing.**

Stay for the Fun!

The Conference is located in the heart of beautiful Ocean City. The beachfront hotel is within easy walking distance to many local attractions and just a short drive from the boardwalk, outlet shopping, the Ocean Downs Casino, and an abundance of fabulous restaurants. If you prefer to stay in, the Clarion offers numerous amenities including an indoor swimming pool, a health spa, a children's playground on the beach, arcade games, Breaker's Pub, and their famous "All You Can Eat Prime Rib, Crab Legs, and Seafood Buffet" in the oceanfront Horizon's Restaurant.

Vendors

Vendors from a variety of disciplines will be joining us this year beginning at 4:00 PM on Friday, April 26 with a vendor meet and greet and cash bar with happy hour pricing from 4:00 PM to 6:00 PM. Join us Friday from 6:00 PM to 9:00 PM for our annual vendor reception. This free reception will include a variety of hors d'oeuvres complemented by coffee, iced tea, assorted desserts, and a cash bar with happy hour pricing until 9:00 PM! Door prizes and, as always, outstanding fellowship will be provided! Be sure to stop by and visit each of the vendors and get your bingo card stamped for a chance to win one of three great prizes. Saturday evening join us for a vendor meet and greet and cash bar with happy hour pricing from 4:00 PM to 6:00 PM.

Fees and Expenses

This year we are pleased to announce that those registering by April 5, 2019 will receive the discounted "Early Bird" registration rate of \$200 for the full two-day conference, or \$110 for a one-day Saturday or Sunday registration. Beginning April 6, the standard full two-day (Saturday and Sunday) conference registration fee will be \$220, or \$120 for a one-day registration (either Saturday or Sunday). This fee includes all expenses for workshops, lectures, AV material, and printing costs. Also included are a continental breakfast and full lunch on Saturday, a full buffet breakfast and lunch on Sunday, as well as morning and afternoon snacks on both days. Conference attendees will receive access to download lecture materials online. Thumb drives with the presentations pre-loaded will be available for pre-sale at a cost of \$10. Pre-conference workshops are offered for additional fees as indicated on the attached registration form.

Registration

Registration is limited and on a first-come, first-served basis. **Online registration** for EMS Care is available at <https://eecreg3.wufoo.com/forms/ems-care-2019-conference-registration/>. You will receive an email confirmation after completing your registration. Any requests for changes to your schedule must be received by April 12, 2019, and should be emailed to EMSCare@miemss.org, Subject: Schedule Change Request. Requests for refunds must be submitted in writing by April 12, 2019. **All cancellations are subject to a 20% processing fee.** You may transfer your registration to another person at no-cost. Returned checks are also subject to a \$25 processing fee.

Walk-in registrations will be accepted pending availability of space.

Directions

Driving directions to the Clarion Resort Fontainebleau Hotel are available on the hotel website at www.clarionoc.com.

For More Information

Visit the MIEMSS website at www.miemss.org, or follow the Maryland EMS Care page on Facebook www.facebook.com/mdemscare.

Pre-Conference Activities

Wednesday, April 24 & Thursday April 25, 2019

Tactical Combat Casualty Care Course (Weds. & Thurs., 8 AM – 5 PM)

R Adams Cowley Shock Trauma Center, C-STARS Program

This year we are VERY excited to once again offer this highly regarded two-day course as an EMS Care pre-conference option. Sponsored by the Center for Sustainment of Trauma and Readiness Skills, The Maryland Committee on Trauma, and the R Adams Cowley Shock Trauma Center, this course is intended for military personnel, tactical and covert operations specialists, law enforcement and public safety officials, first responders, EMTs, and medical and allied health professionals. The first day of this course will be conducted on-site at the Clarion. Day two will involve practical evolutions, which will be conducted at a nearby off-site location in Ocean City. Course Fee: \$220 {16 Hrs, BLS: T/ ALS: NCCP Individual}

CPEN (Certified Pediatric Emergency Nurse) Review Course (8 AM – 5 PM)

Bill Light, MSN, RN, CEN, CPEN, TCRN – Solheim

This course will provide a comprehensive review course based on the detailed CPEN content established by the BCEN. This course is presented in a manner that is easy to understand and would also be an excellent review for any nurse interested in increasing his or her knowledge and comfort level in managing pediatric emergencies. Through the use of lectures, graphics, videos and practice questions, the course will review many of the areas that are tested on the CPEN examination. This course will provide not only a knowledge base for successfully completing the exam, but also a foundation for further study as the participant works towards emergency nursing certification. Course Fee: \$125 {16 Hrs, BLS: M/ ALS: NCCP Individual}

Registration is limited to nurses, and can be completed at the link below:

<https://eecreg3.wufoo.com/forms/cpen-review-course-april-2019/>

Any questions can be directed to pepp@miemss.org.

Speakers and materials for this course have been sponsored by the Maryland EMS for Children State Partnership Grant and EMSC Program. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

Thursday, April 25 & Friday, April 26, 2019

MIEMSS' EMSOP Quality Assurance QA Officer's Course (Thurs. & Fri., 8 AM – 5 PM)

Sarah Sette, Assistant Attorney General, MIEMSS

Ron Schaefer, Chief Compliance Officer, MIEMSS

Jason Cantera, EMS Applications Coordinator, MIEMSS

This EMS Operational Program (EMSOP) Quality Assurance Officer Course was first introduced in 2006 to ensure EMSOPs were in compliance with COMAR Title 30 regulations. Since then, hundreds of EMS providers have completed this training, preparing them to function as EMSOP QA Officers. With input from QA Officers from across the state, this course has evolved to include these essential elements of QA/QI: due process, conducting incident inquiries, case review, and eMEDS® QA/QI. Day one will focus on the essentials of QA/QI and QA Officer regulations, roles, and responsibilities. Day two will focus on applying QA principles learned on day one, conducting incident inquiries, QI using eMEDS® reporting, and a case review workshop. Course Fee: \$120 {16 Hrs, BLS: L/ ALS: NCCP Individual}

Tactical Emergency Care Course (TECC) (Thurs. & Fri., 8 AM – 5 PM)

Cecil County Department of Emergency Services

NAEMT's Tactical Emergency Casualty Care (TECC) teaches EMS practitioners and other pre-hospital providers how to respond to and care for patients in a civilian tactical environment. It is designed to decrease preventable deaths in a tactical situation. The course presents the three phases of tactical care: Direct Threat Care that is rendered while under attack or in adverse conditions; Indirect Threat Care that is rendered while the threat has been suppressed, but may resurface at any point; and Evacuation Care that is rendered while the casualty is being evacuated from the incident site. This course covers the following topics: hemorrhage control; surgical airway control and needle decompression; strategies for treating wounded responders in threatening environments; caring for pediatric patients; and techniques for dragging and carrying victims to safety. Course Fee: \$120 {16 Hrs, BLS: T/ ALS: NCCP Individual}

EMT 12-Hour Skills Refresher (Thurs., 6 PM – 10 PM & Fri., 8 AM – 5 PM)

Region III Emergency Education Council

This course is a required part of recertification for all EMTs. By coupling this course with careful selection of conference breakout sessions, EMTs can meet all requirements necessary for Maryland recertification. Enrollment is limited to 30 registrants. Course Fee: \$80 {12 Hrs, BLS: S/ ALS: NCCP Individual}

Thursday, April 25, 2019

12-Leads Made Easy: STEMI – Essentials (8 AM – 12 PM)

Tim Phalen, BS, NRP, Physio-Control University

Are you comfortable and confident with your ability to call a STEMI alert? This session explores the fundamental aspects of STEMI recognition—the very thing someone needs to know to function in a STEMI system. Some of the topics covered include recognizing, through a systematic approach, ST elevation that meets the criteria of the STEMI guidelines; eliminating the presence of the top STEMI imposters; correcting electrode placement; and minimizing artifact. Course Fee: \$30 {4 Hrs, BLS: M/ ALS: NCCP Individual}

Speakers and materials for this workshop have been sponsored by Stryker. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

12-Leads Made Easy: STEMI – Beyond the Basics (1 PM – 5 PM)

Tim Phalen, BS, NRP, Physio-Control University

This session is for those who have already taken the STEMI – Essentials program, or who already feel comfortable with STEMI recognition. Topics for this session include a review on how to eliminate the top STEMI impostors, isolated posterior STEMI and right ventricular infarction (15- and 18-lead EKGs), a new way to look at AV block caused by STEMI, suspecting a STEMI in the presence of the most common STEMI impostors, and awareness of other STEMI impostors. Course Fee: \$30 {4 Hrs, BLS: M/ ALS: NCCP Individual}

Speakers and materials for this workshop have been sponsored by Stryker. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

A Comprehensive Model for Health and Wellness (8 AM – 5 PM)

Gamaliel Baer, Health and Wellness Coordinator, Howard County Fire and Rescue

Health and wellness issues are affecting the first responder community. Heart attack, suicide, and cancer deaths are disasters for the member's family, and also their department. Fortunately, all three of these health and wellness issues have risk factors involved that are highly preventable through lifestyle changes. Research on the general population, and emergency services specifically, continues to grow. However, for many departments, there is very little, if any health and wellness education being delivered. Howard County Fire and Rescue has developed a working model of a comprehensive health and wellness educational curriculum for its academy. An overview of the model, and highlights of the curriculum will be presented. The curriculum includes modules on resiliency, physical health, nutrition, and mental health. Course Fee: \$25 {8 Hrs, BLS: L/ ALS: NCCP Individual}

Speakers and materials for this course have been sponsored by a grant from the Maryland Department of Health with funds from the Hospital Preparedness Program provided by the Assistant Secretary for Preparedness and Response, US Health and Human Services. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

12-Leads Made Easy: BLS Providers (8 AM – 12 PM)

Tim Phalen, BS, NRP, Physio-Control University

No background in 12-lead or even ECGs? No problem! This session focuses on ways that BLS providers can both assist in 12-lead acquisition and operate in a system that utilizes BLS providers to acquire and transmit ECGs. Why 12-leads are needed, proper electrode placement, obtaining a good clean ECG, and the basics of recognizing ST elevation will be covered. Course Fee: \$30 {4 Hrs, BLS: M/ ALS: NCCP Individual}

Speakers and materials for this workshop have been sponsored by Stryker. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

Capnography – Tube Verification is Only the Beginning (1 PM – 4 PM)

Tim Phalen, BS, NRP, Physio-Control University

Although capnography has become the gold standard for tube verification, it can be used to do much more—capnography is being used on a daily basis to monitor ventilations, perfusion, and metabolism status in both the intubated and non-intubated patient. Join this course to discover how capnography is guiding care and assisting health care professionals in making clinically-appropriate decisions that improve patient outcomes. Through lecture and case scenarios, you will leave this session with a thorough understanding of capnography and how to use it in a range of situations. Course Fee: \$30 {4 Hrs, BLS: M/ ALS: NCCP Individual}

Speakers and materials for this workshop have been sponsored by Stryker. All fees associated with this pre-conference offering are intended to cover conference resort fees, meals, and refreshments.

BLS Health Care CPR (1 PM – 4 PM)

Dwayne Kitis, CRT, Region I Administrator, MIEMSS

This Health Care Provider BLS course follows the current American Heart Association guidelines. This course is a four-hour instructor-led session designed to provide knowledge and skills associated with single and multi-rescuer BLS for adults, children, and infants. Emphasis is placed on the importance of early, high-quality CPR; early defibrillation; team dynamics; and utilization of the AHA links in the chain of survival. Upon successful completion of this course (written exam and skill evaluations), each participant will receive a verification card from the AHA. Expiration of verification occurs two years from the last day of the month in which the card was issued. Course Fee: \$30 {3 Hrs, BLS: M/ ALS: NCCP Individual}

eMEDS® 101: Generating Reports (1 PM – 5 PM)

Jason A. Cantera, EMT, EMS Applications Coordinator, MIEMSS

Your providers have completed hundreds of eMEDS® reports for your service. So what are the top five “dispatch reasons” in your agency? What medication has been given the least in the past month? Join the EMS Applications Coordinator as he provides an overview of the eMEDS® Report Writer 2.0. We will review the functions of the software and how it can be used to create reports that are useful for your agency. Some of the upcoming changes to eMEDS® as we move forward into using the Elite Platform will also be discussed. It is HIGHLY recommended that you bring a laptop with you so that you can follow along and begin to build some of your own reports. Course Fee: \$30 {4 Hrs, BLS: L/ ALS: NCCP State/Local}

Maryland EMS Update 2019 (ALS and BLS) (6:00 PM – 7:30 PM)

Peter Fiackos, BS, NRP, EMS Education Manager, MIEMSS Office of Licensure and Certification

Do you need to meet your EMS Update requirement, but are computer-phobic? Do you wish that you could complete the requirement in a real classroom instead of a virtual one? Here's your chance! Join MIEMSS Licensure and Certification staff for a presentation of this year's **Maryland EMS Update 2019** (formerly known as the "Meet the Protocols") in a classroom setting. In no time at all, you will have met your continuing education requirements for this year's update. No fuss, no muss...and best of all, no computer. FREE {1.5 Hrs, BLS: L/ ALS: NCCP State/Local}

EMS Care 2019 Vendor Preview and Cash Bar (4:00 PM – 6:00 PM)

Stop by and mingle with our impressive cadre of vendors and “talk shop” with your peers. A cash bar with happy hour pricing will also be available.

EMS Care 2019 Vendor Reception Cash Bar (6:00 PM – 9:00 PM)

Join us for our annual vendor reception. This free reception will include a variety of hors d'oeuvres complemented by coffee, iced tea, assorted desserts, and a cash bar with happy hour pricing until 9:00 PM! Door prizes and, as always, outstanding fellowship will be provided! Be sure to stop by and visit each of the vendors and get your bingo card stamped for a chance to win one of three great prizes.

Main Conference Program Descriptions

This year we are happy to announce six tracks in addition to our general sessions.

Medical – **Trauma** – **Pediatrics** – **Operations** – **Management** – **Hands-On**

Saturday, April 27, 2019

7:00 AM – 8:00 AM: Conference Registration and Continental Breakfast

8:00 AM – 8:15 AM: Opening Ceremonies

8:15 AM – 8:45 AM: MIEMSS State of the State

The latest developments and trends in Maryland EMS will be highlighted by the Maryland Institute for Emergency Medical Services Systems Executive Director Dr. Theodore Delbridge.
{0.5 Hrs, BLS: L/ ALS: NCCP Individual}

8:45 AM – 9:45 AM: Keynote Address

Terrorist Tactics, Techniques, and Procedures – Understanding the Threat

**Alex Cardella – Fire/EMS/EM/Health Intelligence Analyst,
Maryland Coordination and Analysis Center**

Terrorist attacks and other hostile mass casualty incidents continue to pose complex challenges to EMS providers, particularly as the nationwide response paradigm shifts towards “warm zone” response models. Understanding the tactics used by terrorists and other violent actors may help inform the decision-making process for EMS providers and supervisors during an incident. This briefing will review a variety of recent plots and attacks in the US and Europe, with an emphasis on how the target selection, tactics, and other elements of these incidents could impact the operations and safety of EMS providers and other responders. In addition, this presentation will discuss a variety of suspicious behaviors and activities related to terrorist/active assailant attack planning that EMS providers may encounter during calls for service, and how those activities should be reported for investigation. {1 Hr, BLS: T/ ALS: NCCP Individual}

9:45 AM – 10:00 AM: General Session

2019 Maryland Active Assailant Initiatives

**Sgt. Travis Nelson – MD State Police/ MD Emergency Management Agency &
Randy Linthicum, NRP – Director of Emergency Operations, MIEMSS**

Much has changed with Active Assailant since the original guidance document was released in Maryland in 2014. Join co-chairs of the Maryland Active Assailant Working Group as they share new collaborations occurring between federal, state, and local partners to ensure robust local and facility active assailant plans. They will discuss planning considerations for creating an effective interdisciplinary plan, and discuss the psychological impacts and family assistance following an incident, and what the Governor’s executive order means for EMS.
{0.25 Hrs, BLS: L/ ALS: NCCP Individual}

10:00 AM – 10:30 AM: Break

10:30 AM – 12:00 PM: General Session

After The Boom: Blast & Penetrating Trauma

Lt. Col. Bruce Lynch, MD – R Adams Cowley Shock Trauma Center, C-STARS Program

Join Lt. Col. Lynch, a military surgeon who has seen the many perils of war as he helps us understand the effects and long lasting complications of blast and penetrating trauma. Using case reviews, and the current literature on injury patterns and their treatments Lt. Col. Lynch will review the presentation of, and how best to manage these sick patients until they can be transferred to definitive care. {1.5 Hrs, BLS: T/ ALS: NCCP Individual}

12:00 PM – 1:00 PM: Lunch

1:00 PM – 2:00 PM: Breakout #1

(1A) Resuscitation Science in the Biggest Maryland System: HPCPR and the 2018 Protocol Changes Enhance Cardiac Arrest Survival in Our Town!

Captain Robert Lindsey, M.Ed., NRP – Quality Assurance, Montgomery County Fire Rescue Service

Roger Stone, MD, MS – Medical Director, Montgomery County Fire and Rescue Service; Associate Medical Director, Carroll County EMS; Region V Medical Director, MIEMSS

In his capacity as MCFRS QI Captain, Robert Lindsey, M.Ed., NRP has been instrumental in fully implementing the MD Resuscitation Academy HPCPR paradigm in a system of over a million residents. He will share data on the effects of implementation of its tenants on ROSC, TOR, STEMI and ACS care in Montgomery County, including enhanced survival outcomes. In addition, the newest 2018 protocols represent a paradigm shift, are sometimes misunderstood or hard to implement. MCFRS Medical Director Dr. Roger Stone will discuss why the newest 2018 key changes in arrest protocol are evidence-based, and discuss data from newer system surveillance tools showing some of the challenges educating the masses on breaking some older habits. Conquering the beast to save lives. {1 Hr, BLS: M/ ALS: NCCP Individual}

(1B) Case Studies In Hand Trauma - Rebuilding the Hand

Ryan Katz, MD, FACS – Attending Surgeon, Curtis National Hand Center

Chain saws, snow blowers, table saws, industrial accidents ... we've all seen what machines are capable of, but what happens after we drop our upper extremity trauma patient off in Baltimore and leave? Join Dr. Katz, as he uses a series of case reviews to show the extreme complexity and time it takes to successfully rebuild a hand. {1 Hr, BLS: T/ ALS: NCCP Individual}

(1C) Taking a Hard Look at Pediatric Deaths

Richard Lichenstein, MD, FAAP – Region III Pediatric Medical Director, MIEMSS

Trauma is the leading cause of death and disability in children across the nation, in Maryland and in your community. Dr. Rich Lichenstein chairs the Maryland State Child Fatality Team working with local county and city teams to understand the causes and incidence of child deaths. EMS provider participation is critical for local team reviews and to develop plans and implement changes to prevent child deaths. Come and learn what is behind the data and the programs that can educate families to prevent these deaths. {1 Hr, BLS: T/ ALS: NCCP Individual}

(1D) Relevance, Relationships, and Response: A Collaborative Approach To Active Assailant Incidents

Don Clime, NRP – Firefighter/Paramedic, Anne Arundel County Fire Department

The FBI has identified 50 active shooter incidents in the US between 2016 and 2018. Emergency response agencies must prepare to respond effectively to active assailant incidents. This course will provide the foundation for developing and implementing an active assailant response program. It will provide the framework for the program and focus on the need to build strong inter-agency partnerships. Using these foundations, the student will have the tools to get “buy in” from personnel and leadership and acquire the basis for a strong active assailant response.

{1 Hr, BLS: T/ ALS: NCCP Individual}

(1E) Legal Issues in EMS

Sarah M. Sette – Assistant Attorney General, MIEMSS

In this session, AAG Sarah Sette will cover this topic and other legal issues that can face EMS providers while on the job. She will discuss new legal challenges in EMS, including three very compelling reasons to put away your phone, as well as sexual harassment, the smart and proper use of social media, and provider immunity in the performance of duties.

{1 Hr, BLS: L/ ALS: NCCP Individual}

(1F) Muscle the Buckle: Lessons Learned on Bleeding Control from War

Andrew Naumann, NRP – Regional Programs Director, Acting, MIEMSS

Civilian EMS has long relied on the knowledge and experiences of the military to push and mold patient care. The Global War on Terror, lasting concurrently since 2001, has unfortunately provided a significant opportunity to refine and improve care for those mortally wounded. Research has shown that 7 in each 100 battlefield deaths could have been prevented with prompt and successful tourniquet application. Join Andrew Naumann, CONTOMS graduate and Air National Guard special operations medic, as he demonstrates how to muscle the buckle, and ensure effective tourniquet application. Andrew will review wound packing, hemostatic, and pressure bandages as they relate to control of severe hemorrhage. According to the National Trauma Institute, a traumatic injury, hemorrhage, or major loss of blood, is responsible for over 35 percent of pre-hospital deaths and over 40 percent of deaths that occur within the first 24 hours. Build the muscle memory now that will allow you to save some ... or yourself!

{1 Hr, BLS: T/ ALS: NCCP Individual} ***Limited to 20 registrants***

(1G) RSI Awareness: You called for RSI now what?

James Clopein, NRP – Firefighter/ Paramedic, Anne Arundel County Fire Department

Jeannie Hannas, NRP – Firefighter/ Paramedic, Anne Arundel County Fire Department

This course is designed to provide the non-RSI provider with the knowledge of how they can prepare and assist with the RSI procedure. This lecture will be delivered through and interactive lecture/case review. We will discuss airway management techniques, airway setup procedures, and a basic review of RSI medications. In addition, there will be discussion on the continuation of patient care during and post RSI procedure. {1 Hr, BLS: M/ ALS: NCCP Individual}

2:00 PM – 2:15 PM: Break

(2A) Baltimore Helping Baltimore – An interagency MIH partnership is reducing calls and rebuilding lives

Mark Fletcher, NRP – Deputy Chief, Baltimore City Fire Department

James Matz, NRP – Battalion Chief, Baltimore City Fire Department

Community paramedicine is an innovative, but relatively new and evolving healthcare model. It allows paramedics and emergency medical technicians (EMTs) to operate in expanded roles by assisting with public health, primary healthcare and preventive services to largely underserved populations in the community. Post-discharge and low-acuity patients are the focus of an innovative partnership between the Baltimore City Fire Department and University of Maryland Medical Center. This session will review the implementation of the three MIH CP programs, discuss lessons learned, successes achieved, and plans for the future.

{1 Hr, BLS: M/ ALS: NCCP Individual}

(2B) Sexual Assaults: Care and Treatment of the Forensic Patient

Christine Cooley RN, BSN, FNE-A – Forensic Nursing Leadership Coordinator, Mercy Medical Center

What are the do and do nots of handling the patient that is a virtual crime scene of visually undetectable forensic evidence? Join Christine Cooley as she answers these questions, and helps us understand the importance of working collaboratively to not only assure proper medical treatment but the later procurement and preservation of DNA that can assist in the eventual prosecution of the perpetrator. She will also review the broad variety of patients seen at forensic facilities; victims of Human Trafficking, strangulation, domestic violence, and elder abuse. {1 Hr, BLS: T/ ALS: NCCP Individual}

(2C) Pediatric Assessment: Children are NOT Small Adults

Cyndy Wright-Johnson, MSN, RN – Director, EMS for Children, MIEMSS

You have heard all the sayings – “children are constantly changing...children come in all sizes...children’s minds expand...children say the darnedest things...children are NOT small adults...” How do you know what to expect when they are in the back of your ambulance? This interactive discussion will go beyond the chapter in the text book and focus on how to assess a child in an emergency. New pediatric reference tools will be available.

{1 Hr, BLS: M/ ALS: NCCP Individual}

(2D) “No Comment”...is a COMMENT!

Jim Brown, EMT – Director of Educational Services, MIEMSS

In today’s age of social media, a 24/7 news cycle of information is always at our fingertips. Join Jim Brown, Public Information Officer for MIEMSS as he imparts the do’s and don’ts of interfacing with media and the public; and how to ensure your department’s image stands the test of Facebook. Jim will share tips and tricks for speaking with the media on sensitive topics and how to engage citizens to be supporters of your message. He will review some of the common pitfalls to avoid. {1 Hr, BLS: L/ ALS: NCCP Individual}

(2E) Shattering The Stigma And How To Ask For Help With Addiction

**D. Kenneth Beyer, FF, EMT, IV-T – Co-Founder, President/CEO,
Harbor of Grace Recovery Center**

Join Kenneth Beyer as he shatters some of the most sensitive topics for EMS providers ... when we are the one needing help. Kenneth Beyer will discuss the symptoms of the alcoholic EMS provider, how to get help, and principles of various levels of treatment. He will cover how to stay sober, and the role peer support groups have. {1 Hr, BLS: M/ ALS: NCCP Individual}

(2F) EZ-IO and The Proximal Humerus Advantage

Jeff Goldberg – Teleflex

Teleflex Inc. presents this hands-on classroom session for EZ-IO. Obtaining vascular access in the prehospital environment is a primary concern. Fluid or medication instilled in the intraosseous space gains access to central circulation rapidly. This course provides education on landmarking, insertion and identifying key components in delivering fluids and medications via the proximal humerus intraosseous route. {1 Hr, BLS: T/ ALS: NCCP Individual}

3:15 PM – 3:30 PM: Break

3:30 PM – 4:30 PM: General Session

What Does It Really Mean to Be Healthy and Well? A Model Health and Wellness Program
Gamaliel Baer – Health and Wellness Coordinator, Howard County Fire and Rescue

Where is the education on health and wellness? We can't keep pounding our fists about heart attack, suicide, and cancer, and not educate our first responders about how to prevent these issues. Indeed, the risk factors associated with these three health and wellness issues are highly preventable. Howard County Fire and Rescue has researched what a comprehensive health and wellness educational program might consist of, and has developed and incorporated one into its academy. An overview of the educational model and guiding health and wellness philosophy will be presented. {1 Hr, BLS: L/ ALS: NCCP Individual}

Sunday, April 28, 2019

7:00 AM – 8:00 AM: Breakfast Buffet

8:00 AM – 9:30 AM: General Session

Is that really a horse calling 911?

Timothy Chizmar, MD, FACEP, FAAEM – State EMS Medical Director, MIEMSS

You start making decisions based on the pre-arrival instructions but you must be careful that you are not lead down the wrong path. You must ask all the questions and do a complete assessment. You may find out that the horse was really a zebra. Case reviews will show you the correct path. {1.5 Hrs., BLS: M/ ALS: NCCP Individual}

9:30 AM – 9:45 AM: Break

09:45 AM – 10:45 AM: General Session

Highly Contagious Infectious Diseases – What does it mean for EMS?

David Blythe, MD, MPH – State Epidemiologist and Director, Maryland Department of Health & Mustafa Sidik, NRP – EMS HCID Program Coordinator, MIEMSS

Ebola response in Maryland is comprised of a multi-agency framework including MIEMSS, the Maryland Department of Health, and various hospitals. Dr. David Blythe, the State Epidemiologist, will review the 3- tiered hospital system and Special Pathogen Assessment Hospitals within Maryland, along with specific high-consequence pathogens found throughout the world and their impact on healthcare providers. Emerging infectious diseases (EIDs) present a unique and dynamic challenge to EMS systems. Mustafa Sidik, the EMS Infectious Disease Program Coordinator for MIEMSS, will review the EID protocol along with the Maryland Ebola Virus Disease plan to provide guidance to providers on the initial treatment of suspected EID patients, along with what occurs in the following hours and days to ensure their patient's definitive treatment.

{1 Hr, BLS: M/ ALS: NCCP Individual}

10:45 AM – 11:00 AM: Break

11:00 AM – 12:00 PM: Breakout #3

(3A) Assessing and Managing Common Prescription and Over-the-Counter Drug Overdoses

Lisa Booze, Pharm D, CSPI – Maryland Poison Center

Half of all calls to poison centers involve pharmaceuticals. Compared to non-pharmaceuticals, patients with drug overdoses are more likely to be hospitalized and have more severe outcomes.

This program will review the clinical effects and treatment for the most common prescription and over-the-counter drug overdoses. {1 Hr, BLS: M/ ALS: NCCP Individual}

(3B) Why CDC Field Trauma Guidelines are the Best We've Got: A Trauma Patient Stuck Without a Trauma Center

Roger Stone, MD, MS – Medical Director, Montgomery County Fire and Rescue Service; Associate Medical Director, Carroll County EMS; Region V Medical Director, MIEMSS

Traditionally, Maryland has been a State whose EMS system was built around and remains admired for its statewide protocols and excellence in trauma care. Over the years however, the perfect Trauma Triage paradigm has remained elusive, and left some patients with a need for secondary triage out of local Emergency Departments. Since 2006 we have functioned under our Trauma Decision Tree that was designed to mirror the CDC and ACS guidelines, with some local modifications aimed at meeting our needs. Referencing the revisions of those guidelines over the years, Dr. Stone will recap why this all matters, and use a case study format to discuss scenarios when a possible trauma patient is dropped off at a local ED, where "a doctor can do a lot more

then I can". Actually you may do more than the local doctor investing in a longer, perhaps nerve-racking, but direct ride to the Center. {1 Hr, BLS: T/ ALS: NCCP Individual}

(3C) PDTree: Guiding EMS Destination Choices for Pediatric Patients

Jennifer Anders, MD, FAAP – Associate State Medical Director for Pediatrics, MIEMSS & Faculty, Pediatric Emergency Medicine, Johns Hopkins Children’s Center

Triage tools exist to guide bypass to specialty centers for adult medical - STEMI, stroke, etc. Pediatric specialty care is also regionalized – but without a destination tool for EMS. Three counties in Maryland have been piloting a destination tool called the PDTree. When a child is transported to a hospital which cannot provide definitive care (under-triage), care is delayed. When a child is transported to a resource hospital that is not required (over-triage), unnecessary resources are used. Dr. Jen Anders will share the current tool, the online app, and the work being done to guide EMS transport destination decision for pediatric patients. {1 Hr, BLS: M/ ALS: NCCP Individual}

(3D) Paws For The Law – Medical Support Of The Working K9

Nina Bingham, RN, BSN – Executive Director, Center for Law Enforcement Medicine

This break out session will provide fundamentals of K9 care and injury management as it relates to the application of human medicine skills by prehospital providers and first responders. Principles of K9 training and the unique personality traits of the law enforcement K9 will be presented, along with the K9 handler role and responsibilities. K9 care best practices, actual practices, care concerns and Maryland COMAR will be discussed. {1 Hr, BLS: M/ ALS: NCCP Individual}

(3E) eMEDS® Elite Q&A

Jason A. Cantera, EMT – EMS Applications Coordinator, MIEMSS

You’ve got questions? We’ve got answers. Based on the high ratings from years past, once again we have subpoenaed Jason Cantera, the “eMEDS® Elite guy”, for another town hall style presentation. Join the lively and interactive question/answer/debate regarding the Maryland eMEDS® Elite system. Jason will also provide a preview of the upcoming changes to eMEDS® Elite as it is upgraded to the new Elite platform. {1 Hr, BLS: L/ ALS: NCCP Individual}

(3F/4F) Airway Management: Intubation is not airway management

Timothy Chizmar, MD, FACEP, FAAEM – State EMS Medical Director, MIEMSS

James Clopein, NRP – Firefighter/ Paramedic, Anne Arundel County Fire Department

Jeannie Hannas, NRP – Firefighter/ Paramedic, Anne Arundel County Fire Department

Jonathan Wendell, MD, FACEP, FAEMS – Medical Director, Anne Arundel County Fire Department

This course is designed to help improve the success/outcome of a patient in need of having their airway managed. We will discuss a systematic approach to managing a patient’s airway starting with BLS techniques and moving into ALS techniques. Additionally, we will review all the latest airway equipment and options available to the airway manager. This course will also include a hands-on surgical airway lab where you will interact with instructors while performing a surgical airway and lung anatomy review. {1 Hr, BLS: M/ ALS: NCCP Individual}

Limited to 24 ALS registrants and will occupy two consecutive breakout sessions

12:00 PM – 1:00 PM: Lunch

1:00 PM – 2:00 PM: Breakout #4

(4A) Oops! Learning From Our Mistakes: Common Pitfalls In Clinical Treatment

Mathew Levy, DO, MsC – Medical Director, Howard County Department of Fire Rescue Services and Region III Medical Director, MIEMSS

Join Dr. Levy, an experienced Medical Director and Emergency Department Physician as he reviews some common pitfalls in the treatment of medical emergencies. Through the use of case reviews Dr. Levy will go through some real-world calls, and discuss what decisions were made, and where these common pitfalls came into play. At the conclusion of the breakout, attendees will have a greater eye to avoid potentially dangerous mistakes that could cause harm to a patient and jeopardize your job!

(4B) Hot Zone Hand Off

Chris Everett, NRP – Tactical Medic, Howard County Department of Fire Rescue

Discussion of what to expect when a patient is handed off from a Tactical EMS (TEMS) provider for reassessment, treatment and/or transport. This patient transfer of care might occur at a Hot Zone to Warm Zone interface or a Casualty Collection Point. Discussion will also cover TEMS/TCCC scope of care, what interventions to expect or not expect and patient types (LEO partners, Civilians, Suspects, etc.). {1 Hr, BLS: T/ ALS: NCCP Individual}

(4C) Strokes Come in All Sizes

Ryan Felling, MD, PhD – Director of Pediatric Stroke Program, Assistant Professor of Neurology, John’s Hopkins Children’s Center

Stroke can happen to anyone at any time - including teenagers, children, newborns, and unborn babies. A third of pediatric strokes occur in neonates and infants. Early recognition of strokes in children requires proper assessment and stabilization along with appropriate triage and transport decisions to minimize neurologic disability. The Johns Hopkins Pediatric Stroke team will share their experience and the children who are at highest risk for strokes.

{1 Hr, BLS: M/ ALS: NCCP Individual}

(4D) One Patient, Eight lives, Infinite Hope: From Dispatch to OR

Pete Quackenbush, NRP – Lead Perfusionist, Living Legacy Foundation

The Living Legacy Foundation (LLF) coordinates and facilitates the organ and tissue donation process in most of Maryland. Many, EMS providers may not be aware that patients who are declared in the field may be potential tissue donors, that the most common myth regarding donation is that emergency medical professionals won’t try to save a patient’s life if he/she is designated as a donor, and that pre-hospital care may impact the opportunity for organ donation once all life-saving efforts have been exhausted. Our presentation will provide education about donation, outline the care and support for donor families, and define the referral process available for EMS providers. {1 Hr, BLS: L/ ALS: NCCP Individual}

(4E) eLicensure Q&A

Michelle Bell, EMT – Office Manager, Office of Licensure and Certification, MIEMSS

Join Michelle, Office Manager for Licensure and Certification as she answers your burning questions on the eLicensure system. From how to submit an affiliation request, to how to get a report of your departments providers, Michelle is here to show you how.

{1 Hr, BLS: L/ ALS: NCCP Individual}

2:00 PM – 2:15 PM: Break

2:15 PM – 3:15 PM: Closing Keynote Address

Chemical Weapons and their Impact on Civilian EMS

Randy Stair, MA, BSN, RN, NRP – Supervisory Emergency Services Specialist, United States Secret Service

In light of recent incidents around the world involving chemical and nerve agents, this presentation will discuss current trends and important information needed by responders to properly rec-

ognize, respond, and treat patients in these environs. Updates to patient care and clinical implications will also be identified.

3:15 PM – 3:30 PM: General Session

Maryland Chempack Program

Michael O'Connell, NRP – Emergency Preparedness Planner, MIEMSS

Now that you've learned how to care for patients involved in chemical and nerve agents ... what resources does Maryland have? Join FX O'Connell as he provides an overview of what medications are available through the Chempack program, how to request them, and what happens when they get there.

Saturday, April 27, 2019

| Track | Medical | Trauma | Pediatrics | Operations | Mgmt./Leadership | Hands-On |
|-------------|---|--|---|--|--|--|
| 0700 - 0800 | <i>Registration / Continental Breakfast</i> | | | | | |
| 0800 - 0815 | Opening Ceremonies, Jeff Sexton, NRP - President, Emergency Education Council of Region III {Grand Ballroom} | | | | | |
| 0815 - 0845 | MIEMSS State of the State - Dr. Theodore Delbridge, Executive Director, MIEMSS {Grand Ballroom} | | | | | |
| 0845 - 0945 | Terrorist Tactics, Techniques, and Procedures - Understanding the Threat - Alex Cardella, MCAC {Grand Ballroom} | | | | | |
| 0945 - 1000 | 2019 Maryland Active Assailant Initiatives - Sgt. Travis Nelson, MD State Police/ MD Emergency Management Agency & Randy Linthicum, Director of Emergency Operations, MIEMSS {Grand Ballroom} | | | | | |
| 1000 - 1030 | <i>Vendor Break</i> | | | | | |
| 1030 - 1200 | After The Boom: Blast & Penetrating Trauma - Lt. Col. Bruce Lynch, MD - C-STARS {Grand Ballroom} | | | | | |
| 1200 - 1300 | <i>Lunch</i> | | | | | |
| 1300 - 1400 | Resuscitation Science in the Biggest Maryland System - Cpt. Lindsey & Dr. Stone | Case Studies In Hand Trauma - Rebuilding the Hand - Dr. Katz | Taking a Hard Look at Pediatric Deaths - Dr. Lichenstein | Relevance, Relationships, and Response: A collaborative approach to Active Assailant Incidents - Mr. Clime | Legal Issues in EMS Ms. Sette | Muslce the Buckle: Lessons Learned on Bleeding Control from Combat - Mr. Naumann |
| 1400 - 1415 | <i>Break</i> | | | | | |
| 1415 - 1515 | Baltimore Helping Baltimore - An interagency MIH partnership - DC Fletcher/ BC Matz | Sexual Assaults: Care and Treatment of the Forensic Patient - Ms. Cooley | Pediatric Assessment: Children are NOT Small Adults - Mrs. Wright-Johnson | "No Comment"...is a COMMENT! - Mr. Brown | Shattering the Stigma and how to Ask for Help with addiction - Mr. Beyer | EZ-IO and The Proximal Humerus Advantage - Mr. Goldberg |
| 1515 - 1530 | | | | | | |
| 1530 - 1630 | What Does It Really Mean to Be Healthy and Well? A Model Health and Wellness Program - Gamaliel Baer {Grand Ballroom} | | | | | |

RSI Awareness: You called For RSI Now What? Mr. Clopein/ Ms. Hannas

Sunday, April 28, 2019

| Track | Medical | Trauma | Pediatrics | Operations | Mgmt./Leadership | Hands-On |
|-------------|--|--|--|---|-----------------------------------|--|
| 0700 - 0800 | <i>Registration / Breakfast Buffet</i> | | | | | |
| 0800 - 0930 | Is that really a horse calling 911? - Dr. Tim Chizmar, State EMS Medical Director, MIEMSS (B/M) {Grand Ballroom} | | | | | |
| 0930 - 0945 | <i>Break</i> | | | | | |
| 0945 - 1045 | Highly Contagious Infectious Diseases - What does it mean for EMS? - Dr. David Blythe, State Epidemiologist, Maryland Department of Health/ Mustafa Sidik, EMS HCID Program Coordinator, MIEMSS {Grand Ballroom} | | | | | |
| 1045 - 1100 | <i>Break</i> | | | | | |
| 1100 - 1200 | Beyond opioids: Common Medication Overdoses - Dr. Booze | Why CDC Field Trauma Guidelines are the Best We've Got: "A Trauma Patient Stuck Without a Trauma Center" - Dr. Stone | PDTree: Guiding EMS Destination Choices for Pediatric Patients - Dr. Anders | Paws For The Law - Medical Support Of The Working K9 - Ms. Bingham | eMEDS® Elite Q&A - Mr. Cantera | Managing the Difficult Airway - Dr. Wendell/ Dr. Chizmar/ Mr. Clopein/ Ms. Hannas Part 1 |
| 1200 - 1300 | <i>Lunch</i> | | | | | |
| 1300 - 1400 | Oops! Learning From Our Mistakes: Common Pitfalls In Clinical Treatment - Dr. Levy | Hot Zone Hand Off - Mr. Everett | Strokes Come in All Sizes - Dr. Felling | One Patient, Eight Lives, Infinite Hope: From Dispatch to OR - Mr. Quackenbush | eLicensure Q & A - Mrs. Bell | Managing the Difficult Airway - Dr. Wendell/ Dr. Chizmar/ Mr. Clopein/ Ms. Hannas Part 2 |
| 1400 - 1415 | <i>Break</i> | | | | | |
| 1415 - 1515 | Chemical Weapons and their Impact on Civilian EMS - Randy Stair, USSS {Grand Ballroom} | | | | | |
| 1515 - 1530 | Maryland Chempack Program - Michael O'Connell, Emergency Preparedness Planner, MIEMSS {Grand Ballroom} | | | | | |