



NJSFAC Educational Symposium 2015 – Course Descriptions

Friday 10/16/2015

8:30 AM – 12:30 PM (Please note this class starts earlier)

Understanding and Planning for School Bomb Incidents

Jay Wenner, FF-EMT

This four-hour awareness level course provides participants with the language and tools required to effectively assess school bomb incident response plans and guide recommendations. The course identifies: the factors involved in school bomb threats, critical response actions based on scenario types, the primary components of an improvised explosive device, and critical components of a school bomb-related response plan.

9:00 – 10:30 AM

Neurosurgical Treatment of Acute Ischemic Stroke and Ruptured Brain Aneurysms

Dr. G. Gupta, MD

Dynamic presentation on the technological advancements in the neurosurgical treatment of ischemic stroke and ruptured brain aneurysms. There will be a hands-on cadaveric brain demonstration as well.

Care and Transport of the Spine Injured Athlete

Tom Wilkinson, Sr. MAT, ATC/LAT, EMT-B (I)

Nicole Member, ATC/LAT, CSCS, EMT-B

The purpose of this session is to familiarize students with the different kinds of sports equipment and how to effectively manage a spine-injured athlete who is stable or unstable.

Heart Disease and Community EMS

Dr. R. Matossian and Brant Maslowski, MICP. This program presents a review of the heart, of heart failure, and explains how to reduce hospital re-admission and “911 frequent flyers” at the same time. A Community EMS Program benefits the hospital and EMS, but the real winner is the patient who learns how to control his or her medical condition.

11 AM – 12:30 PM

Stress: An EMS Perspective

Joseph McTernan, MBA, NREMT-P

How to recognize and handle stress in Emergency Medical Services. This presentation will help you to help yourself as well as your fellow EMTs by identifying and managing stressors. Although stress itself is neither good nor bad, if left untreated, stress could end your career as an EMT and impact every aspect of your life. This program will help you make a deliberate effort to create a healthy balance between life as an EMT and life away from the ambulance.

Pediatric SIM Lab (Class size limited to 20)

Dwain Pegues, BSN, RN, PHRN, is the Simulation Education Coordinator for the Mount Nittany Health System. He will engage participants with challenging clinical scenarios crafted to broaden knowledge and improve comfort level with pediatric patients. Participants in this session will: review/recall pediatric anatomic/physiologic differences; practice pediatric assessment and treatment skills; interpret real time assessment feedback to see the effects that treatment has on patients; exercise critical thinking skills during this challenging interactive session; and develop/discuss elements of ALS/BLS teamwork. **In order to maintain a manageable student to simulator ratio, class size is limited to 20 participants.**

The Road from EMT to RN

Gerard Muench, RN, MICP

This is a panel discussion by four registered nurses who started their medical career as EMTs. Each panel member will discuss how he or she became an RN through a different path and how being an EMT both helped and hurt them during their education. Different paths to becoming an RN include: 2 year certificate program; 4 year BSN program; LPN to RN transition; and paramedic to RN online program.

Introduction to Improving Occupant Protection for Non-Critical Pediatric Patients in Ambulances

Jackie Stackhouse Leach, JSL

This seminar focuses on a brief overview for installation of conventional child restraints on an ambulance cot. There will also be a review of crash dynamics in regards to child restraints and CDC and EMS for C recommendations.

How to Say NO!

Peter Dworsky, MPH, EMT-P

One of the most difficult decisions to make is the decision to halt emergency response. It is the culture and nature of emergency responders to go into any environment in order to save the lives of those they serve, even if it means jeopardizing their own safety. We will look at best practices and model policies and discuss the risk-benefit and legal liabilities of a cessation in operations.

13:30 – 15:00 1:30 – 3:00 PM

All That Wheezes is not Asthma

Bryan Fischberg, NRP

This well-known ALS saying introduces the concept of differential diagnosis to EMT-Bs. Causes of, and distinctions between, bronchospasm, bronchoconstriction, and small airway obstruction are addressed.

Participant will be able to:

- describe how to optimally auscultate the chest of a wheezing patient
- cite terms used to describe wheezing
- Compare and contrast bronchconstriction and bronchospasm
- list three conditions associated with wheezing and their distinctive characteristics

EMS and the Renal Patient

Gerard Muench, RN, MICP

Joseph McTernan, MBA, NREMT-P

Chronic kidney disease (CKD) affects approximately 26 million Americans. Many of these patients are unaware of the signs and symptoms of kidney disease until they are in renal failure, requiring dialysis or kidney transplantation to sustain life. EMS providers care for renal patients on a daily basis; however, many do not feel comfortable with the assessment and care of this vulnerable population. This presentation will provide an overview of kidney disease, prevalence and incidence of kidney disease, common pre-hospital concerns, and how EMS providers can effectively assess and treat patients with kidney disease.

Pediatric SIM Lab (Class size limited to 20) REPEAT

Dwain Pegues, BSN, RN, PHRN

For details, see Friday's schedule for the course description.

Risk Management in EMS

Peter Dworsky, MPH, EMT-P

It is impossible to eliminate risk for EMS. It does not matter how you look at it, how you hold it up and examine it, it is a dangerous and risky job. However, new technology and new information can minimize risk; help keep you and your team safer. This program covers some of the methodologies, equipment, and processes that can be easily implemented within an EMS system to aid in reducing exposure and liability.

15:30 – 17:00 3:30 - 5:00 PM

Seizures – What's Shakin'?

Bryan Fischberg, NRP

This presentation is a review of assessment and classification of seizures with video vignettes.

At the completion of this presentation, the participant should be able to:

- define, compare, and contrast seizure and epilepsy
- cite three pairs of terms that broadly classify and describe a seizure episode
- cite three management priorities and principles for patients having a seizure episode

"How to Save a Life: Using Science to Guide Prehospital Interventions: Current Concepts in the Use of Long Spineboards"

Dr. Mark Merlin, DO

From Dr. Merlin's "How to Save a Life" series, Dr. Merlin will focus on what scientific literature has to say regarding the prehospital use of long spineboards.

Flipping the Classroom

Laurie Sheldon, MPA, EMT (I)

Learn how to use various techniques as instructional tools to increase student engagement and support. Flipping the classroom is designed to make the best use of face-to-face time with students and provide opportunities to revisit important concepts. Explore the goals and benefits of the flipped classroom to maximize student learning outcomes.

It's Not a Knife – It's a Rescue Tool

Gerard Muench, RN, MICP

This presentation will discuss the proper use of a knife, features of rescue knives that can be beneficial to EMS providers, how to present a professional image while using a knife, and being conscious of where and when to carry a knife in security conscious environments. In addition, several rescue knives will be available for attendees to evaluate after the formal portion of the presentation.

20:30 – 22:00

8:30 – 10:00 PM

Presidential Keynote Address - Mission: Lifeline STEMI

Mark A. Merlin, DO – New Jersey Mission: Lifeline Project Co-Chair

William A. Tansey III, MD – New Jersey Mission: Lifeline Project Co-Chair

Molly Perini – Director of Mission: Lifeline, American Heart Association

Each year, almost 250,000 Americans experience a STEMI, which is the deadliest form of a heart attack. *Mission: Lifeline®* is an American Heart Association initiative that aims to close the gaps in care that prevent these patients from receiving evidence-based treatment. The NJ Mission: Lifeline Project's Co-Chairs and American Heart Association will review ongoing efforts, demonstrate how vital the role of an EMS professional is in ensuring that patients receive the best care possible, and showcase a very special, newly formed partnership with the NJSFAC.

Saturday 10/17/15

8:00 AM – 11:30 PM

Motorcycle Trauma Management

Jeff Goldstein, BS, MICP, CCEMT-P, FP-C

Motorcycle accidents do not equate to the standard motor vehicle accidents we are trained for. This presentation will explain why most systems are missing the fine points that can make a difference when treating victims of motorcycle accidents. Specific areas such as type of motorcycle involved, protective equipment being worn, and type of accidents present entirely different mechanisms of injury compared to routine auto MVA. This program prepares the participants to better evaluate the motorcycle injury patient, develop a more concise index of suspicion and, thereby, provide more appropriate injury specific care. Insight into the "biker mentality", scene safety, and rider/passenger specific injuries are just some of the topics discussed.

8:00 – 9:30 AM

Bleeding Like a... Current Concepts in Hemorrhage Control

Jon Politis, MPA, NRP

From every armed conflict has come advancements in emergency medicine and the war in the Middle East is no different. From hemostatic agents to wound packing and modern tourniquets how we manage external bleeding has changed considerably. Even the reliance on the "time honored" pressure point has changed. This presentation is a review of the why, when and how of modern hemorrhage control and its use in modern civilian EMS.

When the Unthinkable Happens: Guiding Your Agency through a Line of Duty Death

Andrew T. Caruso, AS, EMT, CART

Line of duty deaths and other tragedies are striking our industry in enormous, growing numbers. While EMS providers are trained and accustomed to dealing with death, we are often unprepared when the incident hits home. This presentation is intended to provide agencies with the tools to respond to line of duty deaths and other unthinkable incidents with professionalism and dignity. We will walk through all phases of the incident and its aftermath including scene response, family notification, and the memorial service.

CPAP

Louis A. Sforza, NREMT-P

The topic is the history/development of CPAP; situations when CPAP is appropriate or not appropriate; how CPAP works; comparing and contrasting CPAP with intubation; and how to apply CPAP.

Faking It in the Classroom: Making Simulation Work

Laurie Sheldon, MPA, EMT (I)

Simulation in the classroom has been proven to work and improve learning outcomes. Often instructors may not know how to begin. Come learn the basics of simulation and some inexpensive techniques to add it into your lesson plans. Participants will have the opportunity to put new knowledge into practice during this session.

10:00 – 11:30

Cold Injuries and Hypothermia

Jon Politis, MPA, NRP

Hypothermia is an insidious culprit behind many outdoor tragedies! Lowering body temperature by a few degrees causes loss of judgment, muscle coordination and motor skills. It's why many who die wander off trail with a pack full of items that could have saved them. This presentation takes an "in depth" look at the causes of hypothermia and the prevention and treatment of this killer.

Bariatric Emergencies

Andrew T. Caruso, AS, EMT, CART

According to the Centers for Disease Control and Prevention, obesity is the fastest growing disease and health concern. In EMS, we are often ill-prepared to respond to as well as to effectively and safely transport the obese patient. This lecture will illustrate the challenges associated with this challenging task and the advantages of having the proper equipment and trained personnel to do so while still providing a high level of quality customer service. Based on experience of what does or does not work, we will explore different equipment and procedural options for the establishment and ongoing operation of a bariatric transport program. The presenter implemented New Jersey's first bariatric transport unit and currently shares best practices and training programs with other agencies interested in doing the same.

Pediatric SIM Lab (Class size limited to 20) REPEAT

Dwain Pegues, BSN, RN, PHRN

For details, see Friday morning's schedule for the course description.

Live from your Dispatch Center – You're on the Air!

Paula Weiler, BS in Ed, NREMT, NJ EMT (I), EMD

Proper use of Radio Communications - What information is important to receive from your Dispatcher, and what additional information you should request. Repetition of location and other information to ensure that the Dispatcher and the Crew understand each other. Making our over-the-air transmissions HIPAA compliant.

13:30 – 16:30 1:30 – 4:30 PM

NJ Gang Basics, Identification, and Interaction

Kley Peralta, PO, EMT

This presentation will give a brief intro into identification of monikers, colors, clothing, graffiti, hand signs, tattoos, dances, and symbols associated with different gangs.

Followed by a brief overview of the Bloods, Crips, Latin Kings, Netas, Five Percenters, Folk, Trinitarios, Mexican Gangs, and White Supremacist.

13:30 – 15:00 1:30 – 3:00 PM

Fire Scene EMS Operations

Jon Politis, MPA, NRP

EMS does lots of stand-by's at fire scenes and seldom has to do too much! Hours of boredom... but when things happen, they happen quickly! What types of injuries should be suspected for both firefighters and occupants? What is the most dangerous time on the fire ground? How should EMS be set up to rapidly intervene? This presentation will get you ready by helping you understand basic fire ground operations and how to work effectively in the fire ground environment.

Pediatric SIM Lab (Class size limited to 20) REPEAT

Dwain Pegues, BSN, RN, PHRN

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Violence Against EMS Providers

Andrew T. Caruso, AS, EMT, CART

Violence against EMS providers is on the rise globally, and recent events have brought these incidents into the spotlight. The National EMS Management Association has appointed a committee, chaired by the presenter, intended to combat this violence. This presentation will illustrate the different resources available to field personnel and their management as well as share tools used successfully. We will also discuss the national debate about whether or not EMS providers and firefighters should be permitted to carry weapons.

Pit Crew CPR

Louis A. Sforza, NREMT-P

Pennsylvania Department of Health protocols for high performance (Pit-Crew CPR) with audience participation to follow.

Red, Yellow and Green – the Triage Traffic Light

Paula Weiler, BS in Ed, NREMT, NJ EMT (I), EMD

We have been told many times that we should always use START triage and triage tags at any MCI and large scale incident. But initial EMT training doesn't do enough to prepare us for these events. This session reviews the steps of START triage work – when to go and when to stay a little longer, and how the NJ disaster triage tag should be used.

15:30 – 17:00

3:30 – 5:00 PM

Emergency Incident “Rehab” Operations

Jon Politis, MPA, NRP

Rest, hydration, and proper nutrition are critical factors in human performance. Proper “rehab” operations can make or break a long term emergency operation. This presentation is essential for anyone who must provide medical support for fire and EMS operations. Topics such as proper fluids for hydration, foods, early recognition of dehydration, fitness, and temperature control are all covered.

Pathophysiology for EMTs

Matthew Butterly, EMT Instructor

Pathophysiology is where disease meets physiology. Daunting at first, this interesting topic links cutting edge research with the signs and symptoms experienced by field EMTs, helping them identify and treat the illnesses they encounter. Learn how new EMT students are being taught to critically think about how diabetes, edema, and other diseases affect the body at all levels.

Service Dogs and EMS

Dr. Aaron Glauberg, DVM, NREMT-P

Have you ever encountered a patient who was accompanied by an assistance dog? Did you know the appropriate way to handle the dog? The Seeing Eye is no longer the only agency employing the canine as a service companion. Be it for seizure-alert, Dogs for the Deaf, ability assistance, or one of many other jobs – an increasing number of dogs are with our patients and we need to know how to address them. We will look at how several sponsoring agencies suggest you should handle the dog and the patient. Additionally we will discuss actions to be taken in the event of MCIs and evacuations.

Sharing Our Best

Laurie Sheldon, MPA, EMT (I)

Do you have a unique spin on presenting a particular topic? Perhaps you engage students with a new way during skill performance. Whether you are a lecturer, skill instructor or coordinator, come share your talent of how you work with students or manage the paperwork. EMS Instructors will each have a 10 minute opportunity to share some of their best teaching techniques. Presenters must send their proposal 2 weeks prior to session and supply their own materials other than AV.

Sunday 10/18/15

9:00 – 10:30 AM

Combination Services...Career and Volunteer - Hand in Hand

Jon Politis, MPA, NRP

The good old days of volunteer EMS are long over! Volunteer agencies face many new challenges to providing effective service. One of the biggest challenges is the integration of career and volunteer personnel in the same service...doing the same job! This session will provide an overview of the critical factors for successfully combining paid and volunteer staff and making it work effectively.

You Want to Be a Millionaire – EMS Gameshow

Dwain Pegues, BSN, RN, PHRN

Following the “Millionaire” format, Dwain will take you through the whole EMT book. Any chapter is fair game. Although Dwain has designed this experience to help make you a better EMS provider, he stresses that it probably won’t make you a millionaire.

Stress Management for the EMT

Melissa Padulsky, EMT (I)

EMS is a stressful environment. Most EMTs do not manage the stress of the things we see and do in healthy ways. Learn ways of combating that stress both on and off duty. This interactive class will not only discuss different techniques to manage that stress but will also incorporate some light stretching and mediation exercises.

Care and Transport of the Spine Injured Athlete (Repeat)

Tom Wilkinson, Sr. MAT, ATC/LAT, EMT-B (I)

Nicole Member ATC/LAT, CSCS, EMT-B

The purpose of this session is to familiarize students with the different kinds of sports equipment and how to effectively manage a spine-injured athlete who is stable or unstable.

11:00 AM – 12:30 PM

Parsippany Rescue and Recovery Unit Dive Demonstration: EMS and the Dive Team

Parsippany Rescue and Recovery Unit

John Walsh, Jack Giannetti, Chief John Tranculov and Dive Coordinator Glen Foli

This presentation will discuss the procedures, rules, safety, and communications required to perform a safe and successful rescue or recovery. The team will discuss and display a variety of the equipment used. The presentation will culminate in an actual water rescue and recovery dive in the pond behind the Sheraton Hotel. You will witness the procedures and equipment discussed as they are put to use. There will be time for questions about the exercise as well as how the team deploys.

Little Hearts – Congenital Heart Defects in Kids

Melissa Padulsky, EMT (I)

This course will discuss the most common congenital heart defects in kids, why AEDs are now mandatory in schools, and how the child may present. 1 in 100 children are born with a heart defect. While most are found early and can be treated successfully, there are many heart defects in kids that can go undiagnosed or may need monitoring and treatment as the child grows.

Autism Spectrum Disorder “101”

Liz Murphy, EMT

With more community residential facilities and programs serving individuals on the autism spectrum, it is necessary for EMS personnel to understand autism, its characteristics, and how to effectively interact with individuals on the spectrum.

This course will give the student the basic tools necessary to feel comfortable while dealing with the patient with autism and while assuring the family of their ability to treat the loved ones.

13:30 – 15:00

1:30 – 3:00 PM

You Want Me to Do What?

Paula Weiler, BS in Ed, NREMT, NJ EMT (I), EMD

Congratulations! You successfully finished your EMT course and you passed the state exam. Now you are an EMT and have more responsibilities on your crew. Uh Oh! How do you interact with your fellow crew members so you understand each other and work together to provide optimal patient care? How do you learn your job as a crew member and begin to learn the job of a crew chief? How do you explain the new things you learned in EMT school to your crew members without sounding like a know-it-all? And how do all of you communicate with the ALS and E.D. staff on calls?

Bringing Healthy Living to Aging Citizens: the Role of Technology

Tarcisio Nunes, EMT, MS

The emergence of new technologies can bring a fundamental improvement to the quality of life for hundreds of millions of aging citizens around the globe, while also bringing reduced healthcare and social costs to society.

Navigating the Labyrinth: EMS Response to Hoarding Situations

Amy Eisenhouer, EMT

Reality television has popularized hoarding disorder, but what happens before the “Got Junk” people show up? This session will discuss the hoarding disorder, its associated features, and possible co-morbid diseases. Situational awareness and provider safety is of particular concern during these responses: extrication and packaging techniques will be addressed as well.