

EMS UPDATE 2021

March 25, 26, 27

LIVESTREAM EVENT

www.emsupdate.com

Pennsylvania's Largest EMS Conference



CONTINUING EDUCATION INFORMATION

You must complete all of the requirements in each class to receive credit. Your CEU will automatically be applied to your PA certification/recognition by March 31. Updated information on each session and con-ed is available at the conference website, www.emsupdate.com. EMS con-ed in Pennsylvania is divided into three categories: clinical patient care (CPC), other (O), and EMSVO. Course listings reflect these designations.

You can, with careful planning, obtain over 25 CEUs at EMS Update 2021.

In some instances, continuing education titles on your continuing education status report may differ from the titles listed in this brochure. You receive continuing education for the content of the course, not necessarily the title of the course. In some sessions, the title of the course has changed since the awarding of continuing education credits.

Disclaimer from PA DOH BEMS: Courses have been approved by the PA DOH BEMS with the understanding that all PA EMS Providers must adhere to drugs and equipment approved for BLS & ALS EMS Providers and EMS Agencies, in accordance with PA Statewide BLS & ALS Protocols and PA EMS Scope of Practice for which they have been trained and/or recognized by their EMS Medical Director.

THREE DAY SPONSOR

Thursday

7:00am—8:00am

Things Aren't Always As They Seem, Part II

Dr. Owen Traynor | University of Pittsburgh Medical Center

SESSION SPONSOR: AHN LIFEFLIGHT

CONED: 1.0 Clinical Patient Care

This is a follow-up from my lecture in 2019; a series of clinical cases in which "things are not as they seem." Participants will be presented with 4 emergency medicine cases that challenge the clinician to come up with the correct diagnosis. This session is appropriate for all EMS levels.

8:00am—9:00am

Things You Hope Never Happen to You—Interesting Trauma Cases

Dr. Allan Philp | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

From tomahawk injuries to complex gunshots and high speed motorcycle crashes, trauma care spans a range of injury patterns and types of care. Using real cases, we explore what went well and what we'd do differently the next time. This session is appropriate for all EMS levels.

Make it, Check it, Keep it: Effective Airway Management

Dr. Christian Martin-Gill | University of Pittsburgh Medical Center

CONED: 1.0 Clinical Patient Care

Airway management is one of the most challenging aspects of prehospital care. New devices including video laryngoscopy, new supraglottic airways, and more common use of bougies have changed the traditional mode of intubation. Yet basic airway techniques and knowledge of anatomy can have the greatest impact in preventing hypoxia. This session will describe the most important habits of highly effective airway management and include videos of real airways being managed. This session is appropriate for all EMS levels.

9:15am—10:15am

Five Causes of Sudden Death and What You Can Do About Them

Dr. Chadd Nesbit | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

Pre-hospital providers often encounter patients in cardiac arrest or near arrest states that then progress to arrest. Sometimes the cause may be obvious, while, in other cases, the patients are reported to be healthy prior to the incident. We discuss five medical causes of sudden death and talk about clues the provider should look for, and, most importantly, what actions you should take to care for the patient. We will discuss diagnosis and treatment in these situations for both ALS and BLS providers. This session is appropriate for all EMS levels.

Wilderness EMS for Recreation

Dr. David Barton | University of Pittsburgh Medical Center

SESSION SPONSOR: EXCELA HEALTH

CONED: 1.0 Clinical Patient Care

Hiking, mountain biking, white water rafting, hunting, climbing...EMS providers must know the most common emergencies in these popular outdoor recreational activities. Several outdoor sports present unique injuries and management techniques. EMS care in wilderness settings presents unique challenges, and yet providers are expected to treat with a high level of care. This lecture will build on Wilderness EMS Fundamentals by applying knowledge to several of the most popular categories of wilderness and outdoor recreation. Injury patterns and risks for these various sports will be reviewed. Participants will review fundamentals of wilderness EMS care, identify the most common injuries in multiple outdoor recreational sports, and identify treatments for sport specific injuries. This session is appropriate for all EMS levels.

10:30am—11:30am

EMS to ED Handoff: Who's Listening?

Zachary Allan and Meredith Aumer | AHN Jefferson Hospital

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

The handoff report from EMS to the Emergency Department is critical and vital for safe patient care. Standardized report can happen anywhere, at any time and with any acuity of patient and still be high quality. This presentation will review the importance of standardized report, managing expectations and perceptions between EMS and ED professionals and identifying improvement opportunities. More specifically, this presentation will review what poor and high quality handoffs look like, review what handoff looks like in different areas of the emergency department, and will review the necessary elements to be reported in handoff. Additionally, this presentation will provide tools for increasing collaboration between EMS professionals and ED teams related to handoff. This session is appropriate for all EMS levels.

Saving the Brain—Critical Prehospital Care After TBI

Dr. Vincent Mosesso | University of Pittsburgh Medical Center

CONED: 1.0 Clinical Patient Care

Traumatic brain injury is responsible for many deaths and severe disability. New evidence reveals that patient outcomes are highly related to the early management of several specific conditions that can and should be addressed in the field. This presentation will provide concrete guidance for the prehospital management of these patients. Common errors that are harmful but often unrecognized will be reviewed. This is a must see presentation if you want to provide state-of-the-art care to patients with head injury. This session is appropriate for all EMS levels.

11:45am—12:45pm

If One Pill is Good—Take the Whole Bottle? Prehospital Poisonings

Dr. Seth Kelly | University of Pittsburgh Medical Center

SESSION SPONSOR: EMS WEST

CONED: 1.0 Clinical Patient Care

Patients do not always read the directions regarding medications. We summarize common OTC overdoses/ingestions that can result in severe toxicity. We highlight common mis-dosed drugs, expected signs and symptoms, and ultimately prehospital treatment for these ingestions. This session is appropriate for all EMS levels.

1:15pm—2:15pm

Prehospital Pain Management

Dr. Phillip Nawrocki | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

This session will be a discussion of pain management in the prehospital environment. We will focus on a discussion of effective methods of assessing patient's pain in the prehospital setting, specific medications that may be utilized by BLS and ALS providers, as well as a discussion of the updates to the 2019 protocols with regards to analgesic use (Ketamine). This session is appropriate for all EMS levels.

They're Not Just Little Adults: Challenges in Assessing the Pediatric Patient

Dr. Sylvia Owusu Ansah | UPMC Children's Hospital of Pittsburgh

SESSION SPONSOR: AHN LIFEFLIGHT

CONED: 1.0 Clinical Patient Care

This is a comprehensive and interactive overview of the pediatric assessment triangle (PAT) with a case based approach. The PAT is an evidence based tool that can be used in 30 – 60 seconds to quickly determine the acuity of a child and can determine whether a child is in respiratory distress and/or failure, has altered mental status, or shock. This helps to give you a rapid and visual tool to assess the severity of pediatric illness. This session is appropriate for all EMS levels.

2:30pm—3:30pm

Death by Poisoning

Dr. Anthony Pizon | University of Pittsburgh Medical Center

SESSION SPONSOR: QUICK MED CLAIMS

CONED: 1.0 Clinical Patient Care

We summarize toxins that are extremely deadly, but infrequently encountered. This lecture highlights nerve agents, cyanide, and strychnine. Since exposures to these poisons are uncommon, but lethal, we focus on the identification of signs and symptoms associated with their exposure, and initiation of rapid pre-hospital treatment. This session is appropriate for all EMS levels.

Prehospital Management of Blast Injuries

Dr. Phillip Nawrocki | AHN LifeFLight and Critical Care Transport

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

This session will discuss the pathophysiology and mechanisms of the various types of blast injury using a case based discussion. Specific focus will be on the initial considerations for approaching explosive incidents, a discussion of injuries related to blast trauma, as well as an overview of the management of injuries that may occur following explosive incidents. This session is appropriate for all EMS levels.

3:45pm—4:45pm

New Technology for the Acute Management of Seizures

Dr. Jayant Acharya | Penn State University Hershey Medical Center

CONED: 1.0 Clinical Patient Care

EMS providers are often called to evaluate patients with seizures, as seizures can cause permanent brain damage or death if they are not treated promptly. With the development of new technology in the last two decades, including devices for seizure detection and neurostimulation, the approach to the early detection and management of seizures has changed. It is important for EMS providers to become familiar with these advances and with their practical use in clinical settings. This session will provide an overview of our current understanding about seizures and epilepsy, and describe the traditional management of seizures as well as the use of new and emerging technology. This session is appropriate for all EMS levels.

Pedal to the Metal: How Much does Prehospital Time Matter for Your Trauma Patient?

Dr. Joshua Brown | UPMC Critical Care Medicine

CONED: 1.0 Clinical Patient Care

The Golden Hour. The Platinum Ten Minutes, all staples of prehospital trauma care. But where did they come from and what's the evidence behind them? Does every trauma patient have to get to the hospital ASAP? What are the risks of putting the "pedal to the metal"? We explore evidence for the relationship between prehospital time and outcomes in the injured patient and put together a practical approach for you in the field. Some of the approaches to these may surprise you! This session is appropriate for all EMS levels.

6:00pm—7:00pm

Pediatric Burn Management

Dr. Ariel Aballay | West Penn Burn Center

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

Allegheny Health Network West Penn Hospital Burn Center (AHN WPH) is the only burn center in western PA verified eight times by the American Burn Association/American College of Surgeons for care of pediatric, as well as adult burn patients. A presentation will be conducted discussing general care regarding pediatric burn population. Patient Triage guidelines will highlight the initial management, fluid resuscitation for burns, and stabilization before transfer to the burn center. When it comes to the pediatric patient, the burn injury statistics are alarming. The presenter will provide a detailed discussion on the specialized care of this very vulnerable population. Children have physiological and anatomical differences that warrant special attention when managing the burn injuries. This session is appropriate for all EMS levels.

Friday

7:00am—8:00am

Situational Awareness for Fire and EMS

Wesley Semple, Jr. | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Other

With the increasing amounts of violence towards first responders, it is important to prepare yourself for what could happen during your shift. This program will cover various topics including how to read the scene, street survival tactics for your everyday life, situational awareness, cover vs. concealment and much more. This session is appropriate for all EMS levels.

8:00am—9:00am

Code "0" at 23:45hrs: Now Who Is Going To Tell The Family?

Christopher L. Hendershot | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

We address the topic everyone wants to avoid; how to tell a patient's loved one that they have died. It is the one thing that is referenced when we are trained, but have had to learn all on our own. No one wants to do it, some are good at it and others pray it doesn't have to be them. Using both medical and traumatic scenarios, we drill through the grieving process that occurs and how we can offer support to those impacted by the loss. In addition, we address support systems for us as after the call. This session is appropriate for all EMS levels.

Geriatric Trauma

Dr. Dylan Morris | UPMC Mercy

CONED: 1.0 Clinical Patient Care

Fall down, go boom. Older adults are an ever increasing percentage of the population and EMS workload. They are at very high risk for significant trauma, even from low energy mechanisms. This talk will discuss changes in geriatric physiology which make them more prone to injury, more likely to have serious pathology and how we in EMS can improve our care of older adults. We will also discuss the increasing role for EMS in injury prevention and elder care. This session is appropriate for all EMS levels.

9:15am—10:15am

The Art of the Consult

Dr. Dylan Morris | UPMC Mercy

CONED: 1.0 Clinical Patient Care

EMS providers routinely consult medical command for orders and advice. These are high stakes interactions where concisely and precisely conveying information is crucial to patient outcomes. The talk will review best practices for consults, provides tips for optimizing the interaction and enhancing patient safety. We will discuss common pitfalls and how to avoid them. Finally, we will review real consults to dissect what went well and what didn't. This session is appropriate for all EMS levels.

Life Savers and Heart Breakers: The Future of Cardiac Arrest

Dr. Frank Guyette | STAT MedEvac

SESSION SPONSOR: PENN CARE

CONED: 1.0 Clinical Patient Care

Survival from cardiac arrest with good neurological outcomes has risen from 2% to 12% nationally. What strategies lead to high rates of survival and what opportunities are there for improving outcomes in out of hospital cardiac arrest (OOHCA)? We will reinforce the tenants of high performance CPR including improved bystander CPR, high compression fraction, minimized interruptions, and delayed airway management. We also discuss the evidence for new trends in OOHCA management including, termination of resuscitation in traumatic arrest, heads up CPR and mechanical CPR. We discuss future technologies that may change prehospital resuscitation including, ultrasound guided CPR, field ECLS, and intra-arrest hypothermia. This session is appropriate for all EMS levels, with an emphasis on ALS treatments.

10:30am—11:30am

Whole Blood—a LifeFlight Experience

Dr. Matthew Poremba | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

Trauma resuscitation has been focusing on a blood first resuscitation. The days of utilizing saline for trauma resuscitation are behind us. However, how does whole blood stack up in trauma resuscitation? Is it worth all the hype? Is this the holy grail for trauma patients? This session is appropriate for all EMS levels.

Medical Devices and Implants for Emergency Providers

Dr. Nicholas von Foerster | University of Pittsburgh Medical Center

SESSION SPONSOR: PENN CARE

CONED: 1.0 Clinical Patient Care

We discuss the most common devices encountered in prehospital settings, specifically pacemakers, AICD's (automatic implanted cardioverter-defibrillators), vagal nerve stimulators, and insulin pumps. You will gain a basic understanding of their function, associated physiology, and implications for emergency care. We discuss the indications for the various devices, the patient physiology you can expect if someone has the device, basic device components, common malfunctions, and how to approach field and emergency assessment and management of both the patient and device. This session is appropriate for all EMS levels.

11:45am—12:45pm

Tackling OB & GYN Emergencies From a First Time Mom's Perspective

Dr. Rickquel Tripp | UPMC Prehospital Care

SESSION SPONSOR: AHN LIFEFLIGHT

CONED: 1.0 Clinical Patient Care

Learning about normal birth delivery and how to deal with perinatal and post-partum complications. Understanding the up-to-date treatments and recommendations for preeclampsia, eclampsia, peri-mortem C-sections, and more. This session is appropriate for all EMS levels.

1:15pm—2:15pm

Closest Trauma Center Matters – Achieving Zero Preventable Deaths

Mike Taramelli | Forbes Hospital

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

In order to achieve zero preventable deaths, we must control life-threatening hemorrhage as quickly as possible. Efforts such as widespread utilization of tourniquets and Stop the Bleed education help, however, further focus needs to be made to ensure the severely injured trauma patient does not die from a preventable death. Putting the emphasis back on external hemorrhage control, ABC's and rapid transfer to the nearest trauma center can help achieve zero preventable deaths. This session is appropriate for all EMS levels.

Vaccine Preventable Diseases You Can Get on a Run

Dr. Andrew Nowalk | UPMC Children's Hospital of Pittsburgh

SESSION SPONSOR: EXCELA HEALTH

CONED: 1.0 Clinical Patient Care

We review the growing importance of vaccine-preventable disease in prehospital care in the United States. Recognition of important disease such as measles, pertussis and influenza is a key component of good patient care and provider safety. This session will review the data on vaccine effectiveness and provide up to date information on presentations of diseases and appropriate management, from PPE to vaccination to prehospital recognition and stabilization. This session is appropriate for all EMS levels.

2:30pm—3:30pm

Bring Your Best**Dr. James Green | STAT MedEvac****CONED:** 1.0 Other

At some point it happens to us all, we drift. Drift is the slow, gradual creep away from our best selves, our best performance. We still deliver competent care, but it becomes average care, missing the spark and the energy that you brought to your calls years ago. Drift makes you average and leads to complacency. Complacency kills. Turn it around. Bring your best. This program provides an attitude tune up with practical skills in communication, assessment, and treatment to immediately use in the field. This session is appropriate for all EMS levels.

Should They Stay or Should They Go?: Changing Role in EMS Transport**Dr. Christian Martin-Gill | University of Pittsburgh Medical Center****SESSION SPONSOR: IMAGE TREND****CONED:** 1.0 Other

Non-transport (including refusals of care) are among the highest risk events for EMS personnel. They have also been a source of financial loss for EMS agencies due to lack of payment for services. A new law in Pennsylvania is changing the way we are thinking of non-transport and the future of EMS practice for patients who choose to stay home after initial emergency care or who may benefit from transport to alternate destinations. This session will review the latest efforts to improve our handling of non-transport and the potential to transport to alternate destinations. We will identify critical tips for documentation to minimize legal risk, improve the quality of medical care, and ensure your agency is able to receive payment for services when patients are not transported to the hospital. This session is appropriate for all EMS levels.

3:45pm—4:45pm

Non-Accidental Trauma in the Pediatric Patient**Dr. Christopher Stem | UPMC Children's Hospital of Pittsburgh****SESSION SPONSOR: QUICK MED CLAIMS****CONED:** 1.0 Clinical Patient Care

Twenty to thirty percent of children who died from abuse and neglect had previously been evaluated by medical providers for abusive injuries that were not recognized as abuse. You can save a child's life by recognizing sentinel injuries. This session is appropriate for all EMS levels.

Boots on the Ground: Peers Helping Peers**Dr. Sheila Roth | Carlow University****SESSION SPONSOR: IMAGE TREND****CONED:** 1.0 Clinical Patient Care

Have you ever wondered how to talk to a co-worker who seems to be having a bad day, a bad week, or going through a bad life event? We teach you what to say when times get tough. The skills of helping a co-worker through a difficult time are not so different from responding to an EMS call. This session is appropriate for all EMS levels.

6:00pm—7:00pm

Narcan or Narcan't: Controversies in Overdose Management**Dr. Jason Kodat | UPMC Cole****SESSION SPONSOR: CONEMAUGH MEDSTAR****CONED:** 1.0 Clinical Patient Care

Is Naloxone a miracle medication or demon drug? The truth lies somewhere in between, but the devil is in the details. With this session, get a refresher on Naloxone's pharmacology and what its potential best use might be. An added bonus is an analysis of more than seventy events in which first responders were given naloxone--is there really a danger of incidental exposure? This session is appropriate for all EMS levels.

Saturday

7:00am—8:00am

An Emergency Triage Tool for Water Rescue**Dr. David Jaslow | Pennsylvania Region 3 Swiftwater Rescue Team****SESSION SPONSOR: AHN LIFEFLIGHT****CONED:** 0.5 Clinical Patient Care and 0.5 Other

Climate change and overdevelopment lead to an increased risk of flash flooding, the #1 cause of death among civilians and a significant risk for morbidity and mortality among emergency responders during natural disasters in Pennsylvania. Unlike most other technical rescue disciplines in which you can call a specialty team with experts to handle difficult incidents or clinical decisions, including victims who want to refuse care, water rescue is largely a local phenomenon. The closest agencies will have to act quickly or victim conditions may worsen. Few EMS personnel have formal water rescue training and most water rescue courses do not focus on victim medical evaluation or define the need for transport. When faced with multiple victims and/or ill/injured responders and potentially limited resources during swiftwater rescue incidents, how do you know who requires care? Join Dr. Jaslow as he presents the world's first triage algorithm for swiftwater rescue. This tool can be executed by any first responder with minimal medical training in less than 60 seconds and it doesn't require vital signs, a detailed history or a hands-on physical exam! A copy of the tool will be provided to each attendee upon completion of the lecture. This session is appropriate for all EMS levels.

8:00am—9:00am

The Yin and Yang of Life in Trauma Care**Dr. Andrew Peitzman | University of Pittsburgh Medical Center****SESSION SPONSOR: EXCELA HEALTH****CONED:** 1.0 Other

After decades in the medical service, Dr. Peitzman will share his experiences with you on how to balance your work and personal life. This session is appropriate for all EMS levels.

Trauma in Children**David LaCovey | UPMC Children's Hospital of Pittsburgh****SESSION SPONSOR: QUICK MED CLAIMS****CONED:** 1.0 Clinical Patient Care

To prepare the EMS provider with skills and knowledge to improve their recognition and treatment of the pediatric trauma patient. Pediatric patient case reviews will be used to emphasize prehospital care experiences that resulted in positive and negative outcomes. This session is appropriate for all EMS levels.

9:15am—10:15am

Identification and Treatment of Prehospital Sepsis: Past, Present and Future**Dr. Emily Brant | University of Pittsburgh School of Medicine****CONED:** 1.0 Clinical Patient Care

Sepsis is defined as a dysregulated host immune response to infection, resulting in organ injury. More than 1.7 million cases of sepsis occur in the United States every year, and 1 in 5 patients will not survive. You care for more than half of sepsis patients, and on average, for more than 45 minutes. Because early recognition and treatment of sepsis can reduce avoidable deaths, there is growing focus on identification and treatment of sepsis patients during prehospital care. We review the PIPELINE effort, an NIH-funded prospective cohort study from transported patients at risk for sepsis. We describe how biomarkers collected during prehospital care in combination with clinical variables (e.g., vital signs and GCS) may aid in identification of patients at risk for sepsis and guide prehospital interventions. We also discuss the role of Artificial Intelligence in the treatment of patients with early sepsis. This session is appropriate for all EMS levels.

Caring for the Entrapped and Crushed Patient

Dr. Jeffrey Nusbaum | UPMC Prehospital Care

SESSION SPONSOR: AHN LIFEFLIGHT

CONED: 1.0 Clinical Patient Care

From mine shafts to overturned cars to being wedged between the toilet and the vanity – patients have a knack for finding themselves trapped in some of the most precarious positions. Treating patients in these scenarios involves unique skills and awareness to avoid causing further deterioration to the patient during both the rescue and the resuscitation. We'll review care for the entrapped patient, interventions to properly monitor, resuscitate, and transport the entrapped and/or crushed patient. This session is appropriate for all EMS levels.

10:30am—11:30am

From Freedom House to Now: A History of EMS in Western PA and the World

Dr. Nicholas George | University of Pittsburgh School of Medicine

SESSION SPONSOR: INNOVATIVE PUBLIC SAFETY

CONED: 1.0 Other

An hour-long look at how a group of African-American men from the Hill District of Pittsburgh became one of the first groups of paramedics in the world, changing the landscape of EMS forever. This session is appropriate for all EMS levels.

Breaking Bad: Care of Orthopedic Injuries

Dr. Ivan Tarkin | University of Pittsburgh School of Medicine

SESSION SPONSOR: EMS WEST

CONED: 1.0 Clinical Patient Care

Orthopedic injuries present many treatment pathways for EMS providers to consider: position of immobilization, use of traction splinting, need for pain control. Dr. Tarkin uses a case based approach to review the best management strategies for orthopedic injuries. This session is appropriate for all EMS levels.

11:45am—12:45pm

Adult Trauma Assessment – A Systematic Approach to Patient Evaluation

Dr. Walt Stoy | University of Pittsburgh

CONED: 1.0 Clinical Patient Care

Walt will share information and demonstrate with the assistance of participants of how to think about evaluation of adult trauma patients. From scene size up, primary assessment, secondary assessment and on-going assessment of patients presenting with traumatic injuries, this session shall speak to matters that affect every provider presented with these types of patient scenarios. This gathering is an opportunity to review situations and gain knowledge and skills on how to approach future adult patient who present with trauma. No power point, just talking, showing and sharing about patients that need to be assessed. This session is appropriate for all EMS levels.

1:15pm—2:15pm

What Saves Lives During Active Shooter Events?

Dr. Ronald Roth | University of Pittsburgh Medical Center

SESSION SPONSOR: EXCELA HEALTH

CONED: 1.0 Clinical Patient Care

On 10/27/2018 a single gunman entered the Tree of Life Synagogue in Pittsburgh. In the aftermath, after action reports identified several factors that saved lives during the tragedy. Sharing these findings has the potential to save lives should tragedy strike in other locations. This session is appropriate for all EMS levels.

Best Practices for Transgender and Non-Binary Patients

Charlie Borowicz | Allegheny Health Network

SESSION SPONSOR: ALLEGHENY HEALTH NETWORK

CONED: 1.0 Clinical Patient Care

Emergency responders strive to provide excellent care to all patients regardless of who they are. However, many still have questions about when and how to ask questions about gender identity. This course explains many common terms as well as medical considerations for transgender and non-binary patients. Pre-

hospital providers are trained to treat the body, but also benefit from knowing the unique medical needs of transgender people, and can improve interactions through simple language changes. This course offers up-to-date information tailored for EMS. This session is appropriate for all EMS levels.

2:30pm—3:30pm

Psychological Trauma in our Patients: Another Type of Shock!

Bradley Dean | Rowan County Emergency Services

CONED: 1.0 Clinical Patient Care

EMS providers know the signs and symptoms of various kinds of shock, but can we identify those of psychological shock? Stress injuries may be seen in patients who may have just experienced a traumatic incident. Immediate intervention following the physical trauma may help prevent the traumatic event from becoming a permanent psychological injury. This presentation reviews how the brain processes traumatic events, and what we can do as EMS providers to help persons suffering from both physical and psychological trauma. This session is appropriate for all EMS levels.

Pediatric Pain Management in the Prehospital Setting

Dr. Mark Hincapie | UPMC Children's Hospital of Pittsburgh

SESSION SPONSOR: AHN LIFEFLIGHT

CONED: 1.0 Clinical Patient Care

Prehospital care focuses on stabilization of potential life threatening injuries and illnesses. Recognition of pain has been recognized by the National Association of EMS and the American Academy of Pediatrics as an important recommendation in care but can easily go undertreated in both the prehospital care and emergency room settings. There are several nonpharmacologic and pharmacologic modalities. Optimizing knowledge in analgesia will increase comfort in providing adequate analgesia in the prehospital setting and optimize patient care. Quality improvement methods can be utilized to improve prehospital pain interventions. There are newer modalities that may be controversial but are certainly cutting-edge and may evolve in the coming years. This session is appropriate for all EMS levels.

3:45pm—4:45pm

Finger Prickin' Good

Bradley Dean | Rowan County Emergency Services

SESSION SPONSOR: BRADY LIPPERT PRODUCTIONS

CONED: 1.0 Clinical Patient Care

One of the most common complaints and refusals we deal with in EMS involves a subset of patients many do not completely understand, diabetics. Diabetes is commonly encountered in the prehospital environment, yet not completely understood. Prehospital providers know how to diagnose and treat hypoglycemia, and hyperglycemia, yet fail to grasp the pathophysiology of the variety of diabetic patients. This presentation takes an in-depth look at the various types of diabetes and treatment. Someone during this session may have a finger prickin' good time! This session is appropriate for all EMS levels.

PennTIME—Roadway Safety for EMS Professionals

Todd Leiss | Pennsylvania Turnpike Commission

SESSION SPONSOR: BELL GRAPHIC DESIGNS

CONED: 1.0 EMSVO | 1.0 Other

In 2019, 50 emergency responders were struck and killed working along roadways in the United States, In 2020, 32 emergency responders have already been struck & killed. This course will provide information that will help keep you, your crew and your patient safer along the roadway. This course will give you an introduction to the SHRP2 National Traffic Incident Management Responder training course and will talk about why it is important to slow down, make the scene safe before patient care takes place. This session is appropriate for all EMS levels.

THURSDAY

7:00AM—8:00AM	Things Aren't Always As They Seem Dr. Traynor 1.0 CPC	
8:00AM—9:00AM	Interesting Trauma Cases Dr. Philip 1.0 CPC	Effective Airway Management Dr. Martin-Gill 1.0 CPC
9:15AM—10:15AM	Five Causes of Sudden Death Dr. Nesbit 1.0 CPC	Wilderness EMS for Recreation Dr. Barton 1.0 CPC
10:30AM—11:30AM	EMS to ED Handoff Allan & Aumer 1.0 CPC	Prehospital Care After a TBI Dr. Mossesso 1.0 CPC
11:45AM—12:45PM	If One Pill is Good... Dr. Kelly 1.0 CPC	
1:15PM—2:15PM	Pain Management Dr. Nawrocki 1.0 CPC	Assessing Pediatrics Dr. Owuso Ansah 1.0 CPC
2:30PM—3:30PM	Death by Poisoning Dr. Pizon 1.0 CPC	Management of Blast Injuries Dr. Nawrocki 1.0 CPC
3:45PM—4:45PM	Acute Management of Seizures Dr. Acharya 1.0 CPC	Prehospital Time Matter for Patients Dr. Brown 1.0 CPC
6:05PM—7:05PM	Pediatric Burn Management Dr. Aballay 1.0 CPC	

FRIDAY

7:00AM—8:00AM	Situational Awareness Semple 1.0 Other	
8:00AM—9:00AM	Code 0 at 2345 Hendershot 1.0 CPC	Geriatric Trauma Dr. Morris 1.0 CPC
9:15AM—10:15AM	Art of the Consult Dr. Morris 1.0 CPC	Future of Cardiac Arrest Dr. Guyette 1.0 CPC
10:30AM—11:30AM	Whole Blood Dr. Poremba 1.0 CPC	Medical Devices and Implants Dr. von Forester 1.0 CPC
11:45AM—12:45PM	OB & GYN Emergencies Dr. Tripp 1.0 CPC	
1:15PM—2:15PM	Closest Trauma Center Matters Taramelli 1.0 CPC	Vaccine Preventable Disease Dr. Nowalk 1.0 CPC
2:30PM—3:30PM	Changing Role EMS Transport Dr. Marth-Gill 1.0 Other	Bring Your Best Dr. Green 1.0 Other
3:45PM—4:45PM	Non-Accidental Pediatric Trauma Dr. Stern 1.0 CPC	Peers Helping Peers Dr. S. Roth 1.0 CPC
6:05PM—7:05PM	Narcan or Narcan't Dr. Kodat 1.0 CPC	

SATURDAY

7:00AM—8:00AM	Triage—Water Rescue Dr. Jaslow 0.5 CPC & 0.5 Other	
8:00AM—9:00AM	Trauma in Children LaCovey 1.0 CPC	Yin and Yang of Trauma Dr. Peitzman 1.0 Other
9:15AM—10:15AM	Entrapped & Crushed Patient Dr. Nusbaum 1.0 CPC	Prehospital Sepsis Dr. Brant 1.0 CPC
10:30AM—11:30AM	Freedom House/History of EMS Dr. George 1.0 Other	Orthopedic Injuries Dr. Tarkin 1.0 CPC
11:45AM—12:45PM	Adult Trauma Assessment Dr. Stoy 1.0 CPC	
1:15PM—2:15PM	Active Shooter Events Dr. R. Roth 1.0 CPC	Transgender & Non-Binary Patients Borowicz 1.0 CPC
2:30PM—3:30PM	Psychological Trauma in Patients Dean 1.0 CPC	Pediatric Pain Management Dr. Hincapie 1.0 CPC
3:45PM—4:45PM	Finger Prickin' Good Dean 1.0 CPC	Roadway Safety for EMS Leiss 1.0 EMSVO / 1.0 Other

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Class schedules and faculty are subject to change. We reserve the right to cancel session(s).

Faculty biographies, session titles and session descriptions are provided by faculty and are subject to change. Course handouts are attached to the speaker profile and the session description on our livestream platform, if, faculty provided these handouts.

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If you must cancel, your request for a refund must be made **in writing to jponko@emswest.org**
Phone call cancellations cannot be accepted.

If a cancellation is received:

Prior to March 19, 2021, refund is 90%

March 20, 2021 and after, no refund (credit will be applied to EMS Update 2022).

Registration received without payment will be returned without processing. **We cannot accept purchase orders.** All or part of this educational program may be tax deductible; please check with your tax advisor/consultant.

Register ONLINE @ emsupdate.com or use the registration form on the back page of this brochure. Each attendee must register. Registration, along with the proper fees, should be completed prior to **March 20, 2021**. If you register online, please do not mail the form. We cannot accept personal checks after March 14. Same-day registration is available.

EMS UPDATE 2022

March 24, 25, 26

Our **LIVESTREAM EVENT** is powered by

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Register online by visiting www.emsupdate.com

Registration fee is \$35/person. This is for all three days, not per day.

How does registration work?

Your registration is tied to your email address and your EMS certification number. This is the only way to watch the livestream and obtain EMS continuing education.

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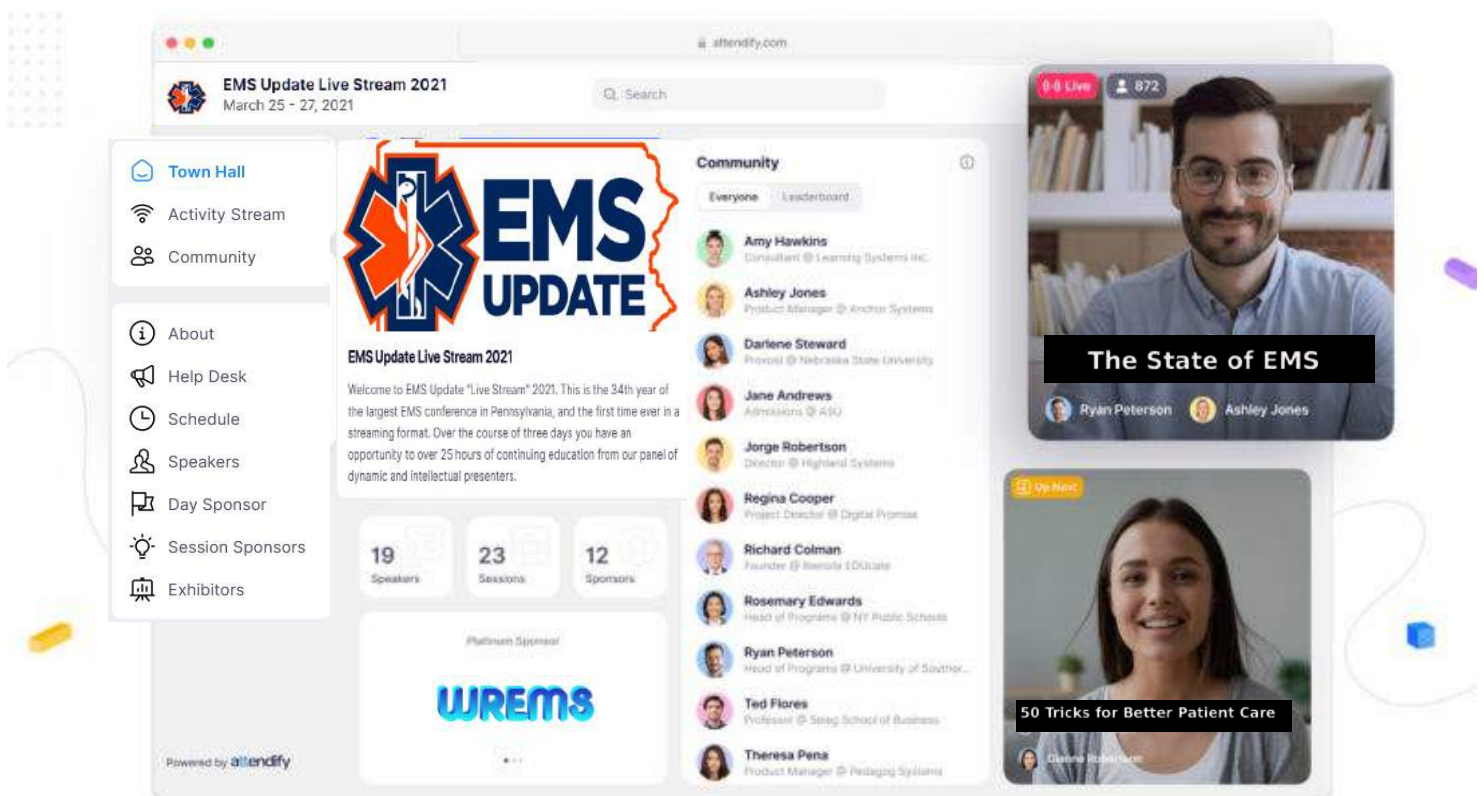
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Can I watch any of the sessions at times other than they are published?

No, all educational sessions are being broadcast live and will not be available as on demand classes at this time.

Disclaimer: Conference sessions and faculty are subject to change without notice. In the event a session is changed, the event organizers will make a reasonable attempt to secure suitable replacements of a similar subject matter.

Sample screenshot of our viewing platform—once you register, you will receive additional information on how to access our platform and mobile app.





EMS UPDATE 2021

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