

**Pennsylvania's
Largest EMS
Gathering**

FREE CON-ED MARCH 20

CLASSES MARCH 21, 22, 23

EXHIBITS MARCH 21, 22

**EMS
UPDATE
2024**



March 21, 22, 23

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7:30am—8:30am	8:45am—9:45am	10:00am—11:00am	11:15am—12:15pm	11:15am—12:30pm
Bashed, Bruised & Bloody	Xylazine: What Does It Do?	EMS Pharmacology	Sepsis Recognition & Management	
Hospital Active Shooter Alert	Tricky Trauma Tropes	Special Needs = Special Patients	How to Recognize & Manage Burnout	
Breaking Bad: News	Did Trauma Cause That? ALOC	MCI Preparedness	Aging In and Out of EMS	
Principles of Wilderness Medicine	Demystifying End of Life Orders	Trauma is a Disease		Prehospital Burn Review
TV & Resuscitation: Part 3	Prehospital Rapid Research Review	Somebody's Watching Me		12 Lead Interpretation

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**EXHIBIT HALL
OPEN

FRIDAY
9:30am— 4:00pm**

8:00am—9:30am	10:15am—10:45am	11:00am—12:00pm
KEYNOTE PRESENTATION	Managing Pediatric SVT	Plumbing: It's All About the Pipes
	De-Escalating the Agitated Patient	Things You Probably Know
	Does That Seat Go There?	Trauma Emergencies Pregnant Women

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7:45am—8:45am	9:00am—10:00am	10:15am—11:15am	11:30am—12:00pm	11:30am—12:30pm
Traumatic Cardiac Arrest	Pediatric Field Termination of Resuscitation	Brain Injury & Domestic Violence	Truths of Emergency Vehicle Operations	
Emergencies from High Altitude & SCUBA	Picking the Right Trauma Destination	Medical Support of Tactical Operations	Uncoiling the Reality of Snake Bites	
STEMI? Not so Fast	Things Not as They Seem Part 5	Managing Geriatric Trauma Patient		Interfacility Transports
Indepth Review of Cerebral Anatomy	Not Your Ordinary Cardiac Arrest	EMS in Federal Government		Pediatric Shock
		The Tale of Two Traumas		Thoracic & Abdominal Trauma

1:30pm—2:30pm	2:45pm—3:45pm	4:00pm—5:15pm
Death of the Brain	A Journey Dealing with PTSD	KEYSTONE PRESENTATION
Cold & Heat Emergencies	When the Fundal Massage Fails	
One Pill Can Kill	What Did You Take?	
Optimization of the Trauma System	How to Recognize & Manage Seizures	
Sex, Drugs, Rock 'n' Roll	What Do You Mean the Trach Fell Out?	

**EXHIBIT HALL
OPEN**

**THURSDAY
5:15pm—6:45pm**

11:00am—12:30pm	1:15pm—2:15pm	2:30pm—3:30pm	4:00pm—5:00pm	5:15pm—6:15pm
	Anatomy of a Pediatric Airway	Almost Everything I Taught You is Wrong	Global EMS: How Location Makes a Difference	Gnarly Limb Injuries
	Turning Blue	Trauma Airway Management	Exertion Related Illness & Injuries to Athletes	EMS Wellness, Supplements & Energy Drinks
	The Backbone of Trauma	Adverse Drug Reactions	Preventing Ambulance Rollover Incidents	
Exploring OB & GYN Emergencies	Neonatal Resuscitation	Memes & Medicine	Essentials of Pediatric Trauma	
ANS, Cranial Nerves & Other Scary Places	Statewide Protocol Development	Important Prehospital Papers	Wilderness Orthopedic Splinting & Evac	

1:30pm—2:30pm	2:45pm—3:45pm	4:00pm—5:00pm
Burn Emergencies	Airway Oddities	When Good Fireworks Go Bad
From Paramedic to Patient	Are You Listening?	OMI—Now That We Mastered STEMI
Capnography—the 5th Vital Sign	Management of Agitated Behavior	How Do Patients Get Street Drugs?
Line of Duty Death Lessons Learned		

You must complete all of the requirements in each class to receive credit. Your CEU will automatically be applied to your PA certification/recognition. Updated information on each session and con-ed is available at the conference website, www.emsupdate.com. EMS con-ed in Pennsylvania has three categories: clinical patient care (CPC), other (O), and EMSVO. We have applied for continuing education credits for each session.

You can, with planning, obtain over 20 CEUs at EMS Update 2024.

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.

Course descriptions are provided by speakers and are presented without edit, except for space requirements.

Participate in all three days of EMS Update and obtain your ITLS Basic certification!

ITLS

EMS West has partnered with the UPMC Prehospital Care team to offer ITLS core curriculum in a more flexible manner. A number of sessions have the ITLS designation next to the title. Participate in these sessions and have a UPMC team member sign off at each session. Then, you will need to successfully complete the patient assessment practical exam and written assessment after the last class on Saturday March 23, 2024 with the UPMC Prehospital Care team.

There is a nominal fee for the exam and card. For more information, contact UPMC Prehospital Care.

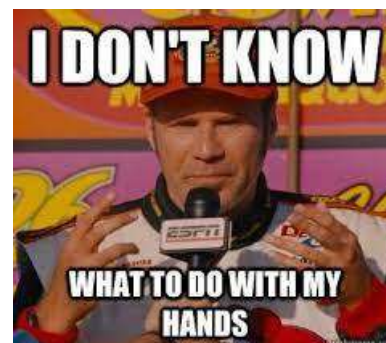
5:30pm—7:00pm Wednesday March 20

I Don't Know What To Do With My Hands!

Todd Shipley | Munhall Police

Richard Kaufman | EMS West

Police Officer (and paramedic) Todd Shipley, along with Richard Kaufman of EMS West will present the 3rd in a series on how Police and EMS must coexist. Reviewing situational awareness, proper safety of how to position yourself with uncooperative patients and bystanders. Along with key times of flight or fight situations. Officer Shipley will also present common and uncommon drugs that you may not see or recognize on a normal basis.



This session is free to everyone. You do not have to be registered for the conference.

Thursday March 21

7:30am • 8:30am

Bashed, Bruised and Bloody

ITLS

Dr. Philp Walker | University Pittsburgh Medical Center

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This lecture will cover the available methods and modalities to stop hemorrhage. It will also cover some new and emerging changes and technologies for hemorrhage control. This session is appropriate for all EMS levels.

Hospital Active Shooter Alert: Why EMS Should Care

Dr. Al Philp | Allegheny Health Network

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

It's the worst fear of a provider in a hospital - an active shooter in the building. We'll discuss how to escalate to reach law enforcement, how to manage before they arrive, and how we should treat (and what our obligations are to the patients and families in the building. This session is appropriate for all EMS levels.

Breaking Bad: News

Dr. Dylan Morris | STAT MedEvac

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Delivering bad news is among the least desirable things we do in EMS, and most of us receive little training in how to do it well. This talk will share evidence based techniques which will make you more effective and confident in approaching these challenging conversations. It will provide you a structured approach which simplifies the delivery of bad news, makes patients and/or loved ones better prepared and able to accept the information and help to align treatments with values. This session is appropriate for all EMS levels.

Principles of Wilderness Medicine

Dr. Cruz McCarty | University of Pittsburgh EM Residency

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This is an Introductory lecture for BLS professionals who have an interest in working in austere environments or have interest in participating in outdoor recreation. As EMS providers you will routinely be expected to fill the role of team medic when on personal trips. This course will give you a better foundation for identifying potential pitfalls and taking care of a team involved in a wilderness rescue scenario. This session is appropriate for all EMS levels.

What TV Can Teach Us About Resuscitation - Episode III : Trilogy of the Dead

Dr. Philip Nawrocki | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Similar to previous years, Episode 3 will be reviewing scenes from popular TV shows and movies for medical accuracy and quality of resuscitation care provided. The pathology, applicable state protocols, and appropriate management of these patients will be discussed. This session is appropriate for all EMS levels.

8:45am • 9:45am

Xylazine: What Does This Do?

Dr. Anthony Pizon | Pittsburgh Poison Center

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Xylazine is a veterinary general anesthetic that is now commonly contaminated in illicit fentanyl. This new drug is now extremely popular with the news media as a never seen before phenomenon. Everyday our area's supply of opioids are more readily contaminated with xylazine. So what is xylazine and how does it contribute to an opioid overdose? What do medics need to know about xylazine? How does this effect our treatment of patients suffering from opioid addiction and withdrawal? The speaker will answer all these questions and more in an engaging and informative fashion. This session is appropriate for all EMS levels.

Tricky Trauma Tropes

Dr. Al Philp | Allegheny Health Network

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

The pace of Trauma care is fast, and the science and best practices change just as quickly. We'll review prehospital trauma management, updates on traumatic arrests and high acuity cases in the field and ED, and how we tackle the really complex cases with multisystem injury. This session is appropriate for all EMS levels.

Did Trauma Cause That? ALOC

ITLS

Dr. Adam Frisch | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

It can be extremely difficult to differentiate between patients under the influence and those experiencing a medical and/or trauma emergency. We will discuss ways to help the EMS provider prepare differential diagnosis for these types of patients. This session is appropriate for all EMS levels.

Demystifying End of Life Orders

Dr. Dylan Morris | University Pittsburgh Medical Center

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Care at end of life is confusing and challenging. Many services, acronyms, designations and desires come together in myriad ways. This talk will help you sort out what these services are, what the various legal notations are, and how to best help your patients as their time gets short. This session is appropriate for all EMS levels.

Prehospital Rapid Research Review

Dr. Philip Nawrocki | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This session will provide a rapid review of significant prehospital research articles from the 2020's. Come learn how to use the latest and greatest in prehospital research and innovation to improve the clinical care you deliver to your patients! This session is appropriate for all EMS levels.

Thursday March 21

10:00am • 11:00am

EMS Pharmacology: Review of Most Commonly Prescribed Medication Classes

Dr. Jaime Stetchock | AHN Forbes Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Medications, sometimes we can't live with them, sometimes we can't live without them. Chronic medications prescribed for mood, seizures, blood pressure, heart failure, and diabetes will be discussed. Unfortunately, side effects and overdose symptoms may occur even at prescribed dosing. This presentation will discuss adverse effects that are common and may lead to the need of your medical services. This session is appropriate for all EMS levels.

Special Needs = Special Patients: How EMS Can Respond

Dr. Michael Wholihan | McCandless Franklin Park Ambulance Authority

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Dispatch requests an EMS, PD and FD response to a special needs school. The children, adolescents and young adults have high anxiety to the 911 call. The lights, sirens, and strangers entering their environment creates over stimulation. Is the school or living community ready for first responders? Does anyone know sign language to treat the patient? How do you communicate? How do you deescalate the situation? What does EMS need to know to be better prepared on-scene with assessing a patient? Learn from firsthand experience the simple, and calm-in-the-storm ways to not just respond but respond properly to these patients and their caregivers. This session is appropriate for all EMS levels.

MCI Preparedness—Let's All Work Together

Zac Allan | AHN Forbes Hospital

Mike Taramelli | AHN Forbes Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This presentation explores the pivotal relationship between Emergency Medical Services (EMS) and hospitals in the context of mass casualty incident (MCI) preparedness. With the objective of enhancing response efficiency and patient outcomes, this session delves into key collaboration strategies and their impact on managing MCIs effectively. The presentation underscores the critical importance of seamless coordination between EMS and hospitals during MCIs. It highlights the role of clear communication methods and tools in facilitating information exchange accurately and promptly. Furthermore, the discussion extends to the significance of joint training initiatives, showcasing how simulations and exercises involving both EMS and hospital teams can improve teamwork and overall readiness for large-scale emergencies. By analyzing these objectives, the presentation aims to equip participants with actionable insights and best practices that can be applied to enhance the collaboration between EMS and hospitals, ultimately contributing to a more resilient and efficient response to mass casualty incidents. This session is appropriate for all EMS levels.

Trauma Is a Disease—What Can We Predict?

Scott Dolan | UPMC Prehospital Care



1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

In this lecture we will discuss the basis of traumatic injury. We will ad-

dress the mechanisms of trauma, learn how to predict injury patterns, keep the responder safe on scene and first priorities when treating trauma patients. This session is appropriate for all EMS levels.

Somebody's Watching Me!

Gene Giraulo | AHN Canonsburg Hospital

Steve McKinniss | Allegheny Health Network

1.0 Other Con-Ed Applied thru PA DOH

Ever get on a scene and turn to see that someone is videoing you or photographing you? The year is 2024 and this is becoming a frequent happening. Is this a problem? A breach of privacy? HIPAA violation? Legal? We will discuss all of this and more, including some laws. This session is appropriate for all EMS levels.

11:15am • 12:15pm

I'm Infected: Sepsis Recognition and Management

Dr. Tyler McCardell | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Each year, 1.7 million Americans are diagnosed with sepsis, resulting in nearly 270,000 deaths. EMS providers routinely encounter patients with infection, ranging from the nursing home UTI to a child with pneumonia, but how should these patients be classified and treated? This session will explore the spectrum of sepsis, including SIRS criteria and pathophysiology from simple inflammation to shock. Attendees will also review strategies to better recognize and treat early warning signs of sepsis in the prehospital environment. This session is appropriate for all EMS levels.

How To Recognize and Manage Burnout

Dr. Al Philp | Allegheny Health Network

1.0 Other Con-Ed Applied thru PA DOH

Medicine keeps getting more complex and demanding, and the number of providers seems to keep getting smaller. How can we identify burnout (compassion fatigue) in ourselves and our partners, and more importantly how can we prevent or reverse it? If things get really dark, what resources are out there for help? This session is appropriate for all EMS levels.

The Times They Are A Changin': Aging In and Out of EMS

Gene Giraulo | AHN Canonsburg Hospital

Steve McKinniss | Allegheny Health Network

1.0 Other Con-Ed Applied thru PA DOH

We as a generation of EMS providers move into the "next phase" of their lives, this presentation will provide real life experiences as us as providers "mature" (or just got older...) and progress toward the end of our careers. We will take a look at the physical, emotional and financial effects that history and exiting from EMS has on us as providers. Great experience to reflect on (for experienced providers) and foresee (for both, newer and experienced providers) the changes that have occurred or are going to occur. This session is appropriate for all EMS levels.

Thursday March 21

11:15am • 12:30pm

Prehospital Burn Management

Dr. Ariel Aballay | AHN West Penn Hospital

Frank Phillips | AHN West Penn Hospital

1.5 Clinical Patient Care Con-Ed Applied thru PA DOH

Prehospital burn management can sometimes be a difficult or frightening part of our everyday EMS lives, mainly due to burn injuries being low frequency calls for us as providers. Your confidence in managing these patients can be increased considerably with attending this course. From a review of anatomy and physiology to current treatments and an understanding of what Burn Centers can do for your patients, you can walk away from this class with a confidence of proper treatment and how to stop the burn! This session is appropriate for all EMS levels.

From Daisies to Decision—12 Lead Interpretation Basic to Advanced

Justin Beal | STAT MedEvac

1.5 Clinical Patient Care Con-Ed Applied thru PA DOH

Starting from the basics of anatomy of cardiology and moving into advanced concepts of 12-lead interpretation. We will spend about 90 minutes breaking down commonly seen EKG changes all the way to advance changes. This session is appropriate for all EMS levels.

1:30pm • 2:30pm

Death of the Brain: Prehospital Stroke Care

Dr. Nirav Bhatt | UPMC Presbyterian Stroke Program

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Tick...tick...tick.....Boom! Time is brain is not only a saying, but reality. Brain cells during a stroke die relatively violently by going into necrosis and causing inflammation. This can happen in less than five minutes. During this lecture we will touch on the importance of stroke recognition and the time of transport to appropriate facility. This session is appropriate for all EMS levels.

Cold and Heat Emergencies

Dr. Philip Walker | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This presentation will cover the recognition and management of environmental emergencies caused by the cold as well as the heat, including hypothermia, frostbite, and heat stroke. This session is appropriate for all EMS levels.

Catch A Speeding Bullet: One Pill Can Kill

Tara Hobeck | Pittsburgh Poison Control

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

The fastest land animal is a toddler when you tell them not to put something in their mouths. This program will talk about the One Pill Can Kill substances in pediatric patients. It will also talk about liquids that can be just as dangerous. There will be a review of the different signs and symptoms that the substances can cause, as well as treatment while enroute. This program will also talk about how the poison center can help the EMS crews with the patients while on scene and

during transport. This session is appropriate for all EMS levels.

Optimization of the Trauma System: Achieving the Best Possible Outcomes

Mike Taramelli | AHN Forbes Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Severely injured trauma patients need concise, coordinated and timely care to achieve optimal outcomes. As crucial members of the trauma system, prehospital providers are essential in the outcomes of the severely injured trauma patient. This session will provide strategies for prehospital providers to achieve the best possible outcomes for the severely injured trauma patients. This session is appropriate for all EMS levels.

Sex, Drugs, Rock 'n' Roll: Eventful Medicine

Dr. Jacob Cihla | UPMC

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Who could imagine a more perfect summer day than going to a three-day musical festival with your friends? Awesome artists, beautiful weather, and plenty of adult beverages. What about a triathlon, the Three Rivers Regatta, or the Annual Eagle River Ice Fishing Jamboree and Vintage Snowmobile Race? These all sound like a great way to spend a weekend, but what do you do when people get sick, injured, or partake in too much "fun"? Learn about the planning that goes into events of various sizes, the expected medical scenarios, and how the medical providers and ensure those participants have the resources available should an emergency arise. This session is appropriate for all EMS levels.

2:45pm • 3:45pm

Getting Back on Your Bike After You Fall Off. A Journey Dealing with PTSD That Has Changed My Life.

Brian Maloney | Plum EMS

1.0 Other Con-Ed Applied thru PA DOH

You've heard the phrase many times that you should get right back on your bike after you fall off. What happens when you can't? This is a story of my journey with PTSD, the challenges I faced both personally and in work, and how it has changed my life. This session is appropriate for all EMS levels.

When The Fundal Massage Fails

Jonathon Jenkins | Mutual Aid Ambulance Service

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

In emergency medicine we spend a large amount of time discussing obstetrical emergencies, the simple and complicated alike. But when was the last time we spoke about how to take care of mom after the baby is born? What if she hemorrhages? Are you prepared? This course will utilize a real case to discuss the intricacies of prehospital postpartum hemorrhage management, to ensure you are ready the next time you all of a sudden have more than one patient in your ambulance! This session is appropriate for all EMS levels.

Thursday March 21

2:45pm • 3:45pm

What Did You Take?

Tara Hobeck | Pittsburgh Poison Control

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Your patient tells you they did not take any medications and then rattles off a full list to the triage nurse. We will review the signs and symptoms for certain toxidromes and how to treat them in the ambulance. We also will spend time on different methods to figure out what the patient took at home. This session is appropriate for all EMS levels.

Seizure Savers: How To Recognize and Manage Seizures in the Prehospital Environment

Dr. Philip Walker | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This lecture will cover the recognition of different types of seizures and their subtleties, as well as what you can do to treat and manage these patients. Will also cover some alternative treatments of seizures other than standard management. This session is appropriate for all EMS levels.

What Do You Mean the Trach Fell Out?

Dr. Matthew Lovell | UPMC

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Tracheostomy problems can be scary stuff! In this session we will try to simplify the approach to troubleshooting Trach problems in the Pre-hospital setting. We will also review how to identify the difficult airway and go over how to address This session is appropriate for all EMS levels.

Educational costs are underwritten in part thanks to Pennsylvania's Rural EMS Education Funds.

4:00pm • 5:15pm KEYSTONE PRESENTATION

The Tip Jar Culture: How to Re-Engage & Reignite Your Workforce

Gregory Offner, Jr.

Gregory Offner is an author, workforce strategist, and award-winning keynote speaker. He is the founding partner of the Global Performance Institute, a boutique consulting firm supporting organizations and executives seeking to get the most out of their workforce. Gregory previously held leadership roles in the outsourced services and risk management industries, developing future leaders and advising some of the most recognizable names in business. For more, visit www.gregoryoffner.com.

These days it seems like employee entitlement is at an all-time high, while engagement is at an all-time low. But what most leaders see as problems with workforce culture are actually just symptoms of the real problem.

In this unforgettable keynote former dueling pianist and award winning speaker Gregory Offner will demonstrate three principles of engagement—found in a piano bar—then discuss the strategies and stories of organizations who've applied these principles to business with phenomenal results. Attendees will leave inspired, entertained, and equipped to put these principles into action, and create a Tip Jar Culture™ of their own.



1.0 Other Con-Ed Applied thru PA DOH

5:15pm • 6:45pm

Exhibitor & Student Reception in Seven Springs' Exhibit Hall.

This is your first opportunity to experience the Exhibits! Experience that latest equipment and supplies and visit with representatives from organizations, schools, companies and health care facilities and find out what's new.

We'll have light food and beverages set up throughout Exhibit Hall so you can do a first visit with our exhibitors and network with our speakers and providers from across Pennsylvania.

You will also have the opportunity to meet EMS West staff, out of the office and in a relaxed, fun environment.



Friday March 22

8:00am • 9:30am KEYNOTE PRESENTATION

EMS Saved Me: Now What?

Robert Hoadley



On April 1, 2011, I suffered a sudden cardiac arrest at work. I was 41-years-old and was training to join the U.S. Navy Reserves and in possibly the best physical condition of the last 20 years when, without warning, my heart stopped. I collapsed. I remained unresponsive for over six minutes.... no movement, no breathing, no pulse.

Due to the number of times my heart had stopped (five total that day) and the amount of time I was not breathing, one of the physicians asked my wife to say "Goodbye." As my wife entered the room, my wife broke down, but like something out of a Lifetime special, beep...beep...my heart started to beat!

I'm the survivor of multiple Sudden Cardiac Arrests (5x in 2011, 2x in 2018, and 16 ICD shocks in 2021...23 Total!).

Join me as I tell you my story and share with you a message of resilience, strength, vulnerability, and yes... survival.

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Join us immediately after our Keynote Session on Friday, March 22 as we open one of the largest free admission EMS exhibitions in Pennsylvania.

Presenting over 16,000 square feet of EMS, & public safety equipment, products and services.

Exhibit Hall is open Friday, March 22, until 4:00 p.m.

There is no fee to enter Exhibit Hall and EMS, fire, rescue, dispatch, police, haz-mat, hospital and all public safety providers are encouraged to bring their families and shop for your needed supplies and equipment.

Students in the Keynote session on Friday March 22 receive priority admission into Exhibit Hall and will have exclusive time with exhibitors on Friday morning prior to everyone else allowed entry.



Friday March 22

10:15am • 10:45am

Managing Pediatric SVT

Dr. Elif Soysal | UPMC Children's Hospital of Pittsburgh

0.5 Clinical Patient Care Con-d Applied thru PA DOH

SVT is the most common pediatric dysrhythmia that we see in the ED after sinus tachycardia. But sometimes, in very young children and infants, it can be hard to distinguish the two. This lecture aims to teach EMS providers how to recognize signs of SVT and management strategies, both for unstable and stable SVT. This session is appropriate for all EMS levels.

De-Escalating the Agitated Patient

Dr. Rebecca Greenstein | AHN Wexford Hospital

0.5 Clinical Patient Care Con-d Applied thru PA DOH

The agitated or intoxicated patient is a frequent encounter for pre-hospital providers. While sometimes these encounters require chemical sedation, the first line management of these patients is often verbal de-escalation. This presentation will review various de-escalation techniques and practices along with methods to ensure provider and patient safety. This session is appropriate for all EMS levels.

Does That Seat Go There?

Dave McWilliams | UPMC Children's Hospital of Pittsburgh

0.5 Clinical Patient Care Con-d Applied thru PA DOH

My daughter will be upset if you put her in that pedi-mate, can't I just hold her? Now that is a question we hear frequently when transporting

pediatrics. Also, have you actually every used a pedimate? In this class we will cover that and the other challenges of pediatric transport. This session is appropriate for all EMS levels.

11:00am • 12:00pm

Plumbing: It's All About the Pipes

Dr. Peter Allen | UPMC Mercy

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Don't get distracted by the injuries! As we know, some injuries can look much worse than they are. In this lecture, we will learn how to recognize the life threats and how to quickly manage them. Applying a tourniquet hurts, but its more important to control the bleeding. This session is appropriate for all EMS levels

Street Talk—Things You Probably Know but Should Think About, Share and Use!

David Lindell

1.0 Other Con-Ed Applied thru PA DOH

Using personal reflections and anecdotes from over 50 years of first hand experience working in the prehospital profession this program will share insights on diversity, professionalism, empathy, belonging and what is important providing for those who come into our care. This session is appropriate for all EMS levels.

Friday March 22

Trauma Emergencies in Pregnant Women

ITLS

Dr. Kevin Duffy | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

OB emergencies can be tricky, but what happens when they are involved in a trauma? Is this an OB patient or do they need a trauma center? In this lecture we will discuss why the physiological changes that a woman's body goes through during pregnancy can also change how we manage the patient during a trauma. This session is appropriate for all EMS levels.

11:00am • 12:30pm

Birthin' Babies: Exploring OB and GYN Emergencies

Dr. Rickquel Tripp | UPMC Children's Hospital of Pittsburgh

1.5 Clinical Patient Care Con-Ed Applied thru PA DOH

Learning about normal birth delivery and how to deal with perinatal and postpartum 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.

ANS, Cranial Nerves, and Other Scary Places

William Miller

1.5 Clinical Patient Care Con-Ed Applied thru PA DOH

There's more to a neuro exam than asking the patient who they are, where they are, what happened to them, and who the President is. This presentation will review some of the finer points of assessing for neuro system injuries and illness, and explain the autonomic nervous system, cranial nerves, and some of the other strange signs and symptoms we may come across and what they mean - all in a way so simple that even your grandmother could understand. This session is appropriate for all EMS levels.

1:15pm • 2:15pm

The Anatomy of a Pediatric Airway

Dr. Veronica Renov | UPMC Children's Hospital of Pittsburgh

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

An airway is not an airway. They vary from person to person. Most importantly they vary greatly based on age. In this lecture we will review one of the most difficult airways to manage. That of the pediatric patient. We will review ways to create better success when managing an airway in a pediatric patient. This session is appropriate for all EMS levels; geared to ALS providers.

Turning Blue, What Do You Do?

Dr. Lindsay Ercole | UPMC Children's Hospital of Pittsburgh

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Many infants get sick during that first year of life - when should we as providers worry? Worried parents are stressful, and sick infants are even more stressful! Let's break down when to worry, why we worry, and what to do next! This session is appropriate for all EMS levels.

The Backbone of Trauma

ITLS

Dr. Vince Mosesso | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Are they vomiting from the alcohol or is it the TBI? Differentiating between a possible life-threatening head injury and the confusion from alcohol is important. In this lecture we will cover those signs and symptoms and many others involving both the head and spine. This session is appropriate for all EMS levels.

Neonatal Resuscitation the Golden Hour

Dr. Elif Soysal | UPMC Children's Hospital of Pittsburgh

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

With increasing number of home deliveries around the United States, being able to identify and manage distress in a newborn is an essential EMS skill. This session will aim to teach attendees how to evaluate a newborn and recognize signs of distress and perform basic neonatal resuscitation. This session is appropriate for all EMS levels.

Statewide EMS Protocol Development—Process to Protocol

Dr. R. Daniel Bledsoe | PA Department of Health

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

We will discuss the process behind updating the Commonwealth's EMS protocols, reviewing the many data sources that contribute to the protocols, how the input of EMS providers like you, evidence from the latest research, educational standards and system and logistical factors all factor into the finished product you will be implementing into practice. Additionally, we will touch on the National EMS Clinical Guidelines, EMS COMPACT and National EMS Scope of Practice Model and how they translate into the protocols you will be practicing within. This session is appropriate for all EMS levels.

2:30pm • 3:30pm

Almost Everything I Taught You is Now Wrong!

Dr. Ronald Roth | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

In the early years, the accepted educational model was to teach pre-hospital care providers just what they needed to know. We created cookbook medics that could perform a series of tasks but had no background as to why they were doing something. So training consisted of "blow up the MAST trousers until the Velcro crackles, do 5 compressions to 2 breaths, and place hypotensive patients in the Trendelenburg position (head down)." All of these recommendations would eventually be retracted leaving many providers saying (or thinking) "first you tell us to do something and then you tell us not to do something." So for all of you that attended one of my anaphylaxis lectures and are still giving 50mg of benadryl and steroids to patients with anaphylaxis, let's rethink that and a few other things that I taught you. This session is appropriate for all EMS levels.

Lifesaving Airways: Trauma Airway Management

ITLS

Dr. Christian Martin-Gill | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This session will review key principles of trauma airway management and ventilation. Case-based examples including videos of real airway management will enhance review of these key principles. This session is appropriate for all EMS levels.

Friday March 22

Adverse Drug Reactions: Beyond Anaphylaxis

Anna Meyer | McCandless Franklin Park Ambulance

Eric Toledo

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Steven-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN), and drug reaction with eosinophilia and systemic symptoms (DRESS) are life-threatening dermatologic conditions hallmarked by extensive exanthematous eruption, epidermal necrolysis, and peripheral lymphadenopathy. These conditions pose significant diagnostic and clinical challenges and have limited therapeutic options. While the inpatient management of these reactions is well documented in the literature, there is a gap in knowledge and guidance in the prehospital domain. We present the case of a medically complex, 58-year-old woman suffering from a severe, drug hypersensitivity reaction comorbid with rapidly progressive amyotrophic lateral sclerosis (ALS). Key tenets of management include early recognition, prompt cessation of the offending agent, and initiation of supportive care measures. Prehospital providers should be vigilant in gathering detailed patient history, conducting a thorough physical examination, and considering early and aggressive interventions to optimize patient outcomes. This case underscores the challenges faced by prehospital providers in managing such complex scenarios and highlights the need for improved knowledge and guidance in the prehospital domain. This session is appropriate for all EMS levels.

Memes and Medicine

Dr. Tyler McCardell | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Scrolling through Reddit, Facebook, or Twitter on down time during a shift is a great way to decompress from our otherwise stressful jobs, but we can also find important learning points beneath the surface of humorous content. This session will select several EMS or medically related memes found online then review evidence-based practice and protocols that support (or maybe refute) the punchline. This session is appropriate for all EMS provider levels.

Rethink EMS: Important Prehospital Papers that Will Change the Way You Think

Dr. Mohamed Hagahmed | UPMC

1.0 Other Con-Ed Applied thru PA DOH

In this thought provoking and highly engaging case-based discussion, I will address some of the current flaws and common beliefs in the practice of EMS. My discussion is supported by the latest evidence pertaining to prehospital care and resuscitation. My goal is to encourage the audience to question the current paradigm of EMS and look for ways to improve the practice of prehospital care. This session is appropriate for all EMS levels.

4:00pm • 5:00pm

Global EMS: How Location Makes a Difference

Natalie Schwarzwaldner | University of Pittsburgh

Isabel Munoz | University of Pittsburgh

1.0 Other Con-Ed Applied thru PA DOH

This presentation will discuss different EMS systems around the world in a comparative fashion. The audience will take away a broader understanding of what EMS looks like in different countries and the factors that affect and create these systems. We will explore their cultural, economy, educational components and more in order to explain why

systems function the way they do. Using Pittsburgh, USA as a benchmark we will be evaluating each system to highlight the differences to traditional US prehospital and hospital standards of care. We will be reviewing, specifically, the structure of each prehospital care system as well as the educational requirements in order to work in EMS. We will also be evaluating what a typical day in that city's EMS system looks like. Video interviews with individuals from specific cities will be used to bring in first-hand experience. Lastly, for each city we will review relevant statistics between the different health care systems such as hospital beds available per capita and much more to highlight the major differences. We will explain these differences with a brief look at their cultural and economic backgrounds to explain why each system was created the way it was and why it functions in that specific way. This session is appropriate for all EMS levels.

Push It to the Limit: Exertion Related Illness and Injuries in Athletes

Dr. John Detherage, III | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Young athletes today are pushing themselves harder and harder to be the best. Not knowing when to stop during physical activity can lead to exertional illness and injury. This session aims to cover the most common injuries and illnesses related to environmental exposure, overuse, and acute on chronic exacerbation of disease. Specific topics to be covered include heat exhaustion, cold exposure, dehydration, sickle cell, diabetes, asthma, and orthopaedic injury. It will also account for the role EMS providers play in identifying and treating these athletes as the above listed situations occur. This session will have multiple case presentations and real life examples of ill and injured athletes, and there will be participation from attendees in regards to diagnosis and treatment of these patients. After attending this session, EMS providers will be better equipped to prepare for and cover sporting events, identify risk factors in athletes, and initiate treatment of exertion related illness and injury. This session is appropriate for all EMS provider levels.

This is How We Roll: Preventing Ambulance Rollover Incidents

Justin Eberly | VFIS

1.0 EMSVO Con-Ed Applied thru PA DOH

Rollovers are a frequent cause of vehicle damage, serious injury and fatalities in emergency vehicle collisions. These incidents are highly preventable. While "water slosh" in fire apparatus is known to be particularly vulnerable to rollover incidents, EMS vehicles are not immune to these risks. The high center of gravity and dynamic loads in the patient compartment must be understood by the EMS vehicle operator. This seminar will analyze case studies and provide best practices aimed at preventing rollover incidents. This session is appropriate for all EMS provider levels.

What You Don't Know May Kill Them: The Essentials of Pediatric Trauma

ITLS

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

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Friday March 22

Pediatric trauma is the number one cause of morbidity and mortality worldwide for children. It is essential for EMS clinicians to be able to recognize and manage pediatric trauma. This session is appropriate for all EMS provider levels.

Wilderness Medicine—Caring for the Trauma Patient: Orthopedic Splinting and Evacuation

Dr. Ryan McLoughlin | AHN St. Vincent Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Come learn about strategies and techniques for improvising splints in a wilderness setting with the materials you have. A comprehensive review of splinting technique translated from the hospital practice to remote practice. Also learn about what to expect when organizing and executing an evacuation over unimproved terrain, and how to function on a litter team. This session is appropriate for all EMS provider levels.

off the body can be encountered in trauma victims by EMS personnel. This session will review key principles for extremity trauma evaluation and management with demonstration of key imaging. The session will also review how these injuries were ultimately repaired in the hospital. This session is appropriate for all EMS provider levels.

Jacked up on Caffeine: EMS Wellness, Supplements and Energy Drinks

Dr. Rickquel Tripp | UPMC

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

When does that daily pick-me-up cup of coffee or can of Monster turn into potential bodily harm? We explore the various components of nutritional supplements & energy drinks, how fatigue can affect medical decision-making, and strategies to improve wellness. This session is appropriate for all EMS provider levels. This class may end later than 6:15pm.

5:15pm • 6:15pm

Gnarly Limb Injuries

Dr. Christian Martin-Gill | UPMC

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Mangled extremities, impaled objects, dislocated joints, and arms clean

7:00pm

**BACK BY
POPULAR
DEMAND!**



Join us for a family movie with kid-approved pizza, snacks and beverages!

ADDITIONAL SOCIAL EVENTS WILL BE ANNOUNCED AT A LATER DATE

Saturday March 23

7:45am • 8:45am

Traumatic Cardiac Arrest

Dr. Genna Jerard | University Pittsburgh Medical Center

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Traumatic arrests have historically had poor survival rates. We will discuss established guidelines for patient survivability and updates to best practices in the field. When it comes to our choosing when and how to act and how can we do better? This session is appropriate for all EMS levels

Getting Real High and Real Low: Emergencies from High Altitude and SCUBA Diving

Dr. Quincy Chopra | Palmdale Regional Medical Center

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This lecture will discuss changes associated with altitude. Discuss gas laws and how it relates to patient care. We will discuss hypoxia related changes as well. This session is appropriate for all EMS provider levels.

STEMI? Not So Fast!

Dr. Chuck Feronti | AHN Saint Vincent Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Using a case based presentation, we will review cases that looked to be a STEMI at first glance, only to reveal an equally deadly diagnosis upon further review! This is a great chance to highlight the limitations of the EKG and the need to keep a broad differential, especially in the critically ill patient! This session is appropriate for all EMS levels.

Know Your Neuro: An In-depth Review of Cerebral Anatomy and Stroke Pathology

Alaina Martini | AHN LifeFlight

Cassandra Asberry | AHN LifeFlight

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Pre-hospital providers are no stranger to patients suffering neurological emergencies. In this presentation, you'll learn in-depth anatomy and pathophysiology of the human brain and how to thoroughly assess a patient with an acute stroke. Learn how to identify different types of stroke and discuss clinical pearls for maximizing out-of-hospital stroke care. This session is appropriate for all EMS levels.

9:00am • 10:00am

Pediatric Field Termination of Resuscitation: What Do We Know?

William Cebulskie | Pleasant Gap Fire Company

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Field termination of resuscitation in adult patients has become an increasingly common practice in Emergency Medical Services across the nation and in Pennsylvania. Despite, significant EMS efforts to provide on scene care in adult cardiac arrest patients, it is suggested that "scoop and run" style treatment strategies are still used by EMS clinicians when faced with a pediatric cardiac arrest. This session will introduce recent advancements and research surrounding prehospital termination of resuscitation in pediatric patients that will allow EMS clini-

cians, EMS medical directors, and physicians to evaluate pediatric termination of resuscitation practices. This session is appropriate for all EMS provider levels.

Going the Extra Miles: Picking the Right Trauma Destination

ITLS

Dr. Joshua Brown | University of Pittsburgh

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Are all trauma centers created equally? Do some of you patients benefit from going to the highest level of trauma center? Will some patients just need to be transferred to another trauma center, potentially delaying urgent care? Come find out the answers to these questions as we explore the anatomy of what makes up different trauma centers, and the evidence for getting your patients the best outcomes by picking the right trauma center destination. This session is appropriate for all EMS levels.

Things Are Not Always As They Seem: Part V

Dr. Owen Traynor | St Clair Health

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This is the fifth installment in the Things Are Not Always As They seem clinical case series. Participants will think critically about the patient's diagnosis as they acquire data from the history of the present illness, physical examination and diagnostic tests. This session is appropriate for all EMS levels.

Not Your Ordinary Cardiac Arrest

Dr. Vince Mosesso | University Pittsburgh Medical Center

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Some cardiac arrests are not like the others. This talk will discuss when and how we should modify our standard approach to cardiac arrest for special situations, including refractory VF, maternal patients, and severe hypothermia among others. This session is appropriate for all EMS levels.

10:15am • 11:15am

Brain Injury and Domestic Violence

Mae Reale | PA Coalition Against Domestic Violence

Michelle Cooper | PA Coalition Against Domestic Violence

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Survivors of domestic violence are 11 to 12 times more likely to experience a brain injury than any other population, including veterans and athletes. EMS is uniquely posed to identify brain injury among domestic violence survivors. This session will include information about the intersection of domestic violence and brain injury. We will also highlight our experience collaborating with the PA Department of Health on a five-year grant project designed to connect EMS providers and domestic violence programs. We will share some of the resources and best practices developed through this valuable collaboration for attendees to incorporate into their work with patients who may be experiencing domestic violence. This session is appropriate for all EMS levels.

Saturday March 23

Medical Support of Tactical Operations

Wesley Semple | Allegheny Health Network

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

This program is meant for those that are part of or are starting up a tactical medical support element. The program will go over important topics such as medical assessment of officers involved, mission planning, equipment and supplies needed and support from local EMS services on the scene. We will also take a look at a case review of why this information and planning is important to have done for all of your tactical operators. This session is appropriate for all EMS levels

Managing the Geriatric Trauma Patient

TBA | University of Pittsburgh Medical Center

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Getting old is tough... For older patients a little trauma goes a long way and can be devastating. Come learn about what changes make it hard to bounce back, the unique issues to think about, and the latest in triage for your geriatric trauma patient. This session is appropriate for all EMS provider levels.

EMS in the Federal Government: Understanding the Federal Interagency Committee on EMS

Richard Patrick | National Fire and Emergency Medical Services Division of the United States Fire Administration

1.0 Other Con-Ed Applied thru PA DOH

The purpose of the Federal Interagency Committee on Emergency Medical Services or FICEMS, is to ensure coordination among the Federal agencies involved with State, local, tribal, or regional emergency medical services and 911 systems; To identify State, local, tribal, or regional emergency medical services and 911 needs; To recommend new or expanded programs, including grant programs, for improving State, local, tribal, or regional emergency medical services and implementing improved emergency medical services communications technologies, including wireless 911; To identify ways to streamline the process through which Federal agencies support State, local, tribal or regional emergency medical services; To assist State, local, tribal or regional emergency medical services in setting priorities based on identified needs; and, To advise, consult, and make recommendations on matters relating to the implementation of the coordinated State emergency medical services programs. Join Director Patrick as he walks through the FICEMS and related Federal EMS initiatives. This session is appropriate for all EMS levels

The Tale of Two Traumas: Resuscitative Techniques for Advanced Trauma Care

Alaina Martini | AHN LifeFlight

Cassandra Asberry | AHN LifeFlight

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Join us for a “choose your own adventure” style case review of two trauma patients where we’ll discuss techniques for maximizing patient outcomes and review key components of best practice trauma care. Come prepared with your smart phone for an interactive, live polling session and leave with some clinical pearls to improve your practice. This session is appropriate for all EMS levels.

Whisper Down the Lane: The Truths of Emergency Vehicle Operations

Justin Eberly | VFIS

1.0 EMSVO Con-Ed Applied thru PA DOH

The rules of the road for EMS vehicles are often whispered by one person to another—retold again and again. Like a game of “Whisper Down the Lane”, the original version and the word on the street may differ greatly. Misinterpretation could lead to serious mistakes. Intentional or unintentional, wrongdoing or a mistake made within an EMS organization makes for a bold headline. The vast majority of emergency vehicle operators set out to do the right thing; but that doesn’t necessarily mean the same thing as being compliant. This seminar offers clarification and guidance on the requirements versus recommended best practices related to EMS vehicle operations. This session is appropriate for all EMS levels

Fangtastic Lessons: Uncoiling the Reality of Snake Bites

Dr. Vincent LaMantia | Allegheny General Hospital

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

While snake envenomations can be a less common occurrence in western PA, the acuity of snake envenomations can range from a simple BLS transport to a critically ill patient. We will sort out all of the common myths and facts of how to care for a snake bite for the BLS provider all the way through emergency medicine physicians. Don’t miss this bite size guide to emergency medicine. This session is appropriate for all EMS provider levels.

11:30am • 12:30pm

Interfacility Transport—Challenges, Regulations and Perception

Dr. Matthew Poremba | Allegheny Health Network

1.0 Clinical Con-Ed Applied thru PA DOH

Will discuss challenges with interfacility transport. Regulations that govern transport and how to deal with challenges situations when asked to transport these patients. This session is appropriate for all EMS provider levels.

What The Shock? Compensated or Uncompensated

Dr. T.J. McMorrow | UPMC Children’s Hospital of Pittsburgh

1.0 Clinical Con-Ed Applied thru PA DOH

Medical shock in pediatric patients can cause significant morbidity and even mortality but can be reversible with prompt recognition and appropriate intervention. This session will review the pathophysiology of pediatric shock, differentiate between compensated and uncompensated shock, and review life-saving treatments. This session is appropriate for all EMS provider levels.

Thoracic and Abdominal Trauma

ITLS

Dr. Aleksander Keller | University of Pittsburgh Medical Center

1.0 Clinical Con-Ed Applied thru PA DOH

This lecture will review the deadly dozen of thoracic and abdominal trauma, and their updated treatments. We will also discuss current research. This session is appropriate for all EMS provider levels.

11:30am • 12:00pm

Saturday March 23

1:30pm • 2:30pm

Burn Emergencies: When to Choose a Burn Center

Dr. Jenny Ziembicki | UPMC Mercy

ITLS

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Burn patients are a unique group of patients for the pre hospital care provide - no two are ever alike. This lecture will discuss the burn patients who needs to go directly to a burn center and their management of the airway, breathing and circulation. This session is appropriate for all EMS levels.

From Paramedic to Patient: A Unique Perspective of Life and Death from Both Sides of the Stretcher

Brian Koszuk | Mutual Aid Ambulance Service

1.0 Other Con-Ed Applied thru PA DOH

The presentation will include a Paramedic's story from providing patient care to becoming a patient himself who depends on the skills and expertise of other healthcare providers. The patient's journey to recovery begins while receiving quality EMS care from a former student. The presentation will include discussions about all aspects of the emergency medical system including pre-hospital, emergency, surgical, in-patient and post-resuscitative care. The presenter will discuss specific experiences using a case study approach comparing and contrasting lessons learned as a practitioner, and then receiving them as a patient. The presentation reiterates the importance of communication, patient assessment and advocacy as well as quality BLS care as the foundation to Advanced Life Support to enhance the lives of others. This session is appropriate for all EMS provider levels.

Capnography—the 5th Vital Sign

Justin Beal | STAT MedEvac

1.0 Clinical Patient Care Con-Ed Applied thru PA DOH

Capnography truly is the 5th vital sign. Understanding how to interpret waveforms can give you a 4-10-minute warning that your patient isn't tolerating the current treatment. In this presentation we will go into detail on how to dissect a EtCO2 waveform and understand the anatomy behind it. This session is appropriate for all EMS levels.

Fred Would Hate This: Lessons Learned from a Line of Duty Death

Shane Spielvogel | North Huntingdon EMS/Rescue

1.0 Other Con-Ed Applied thru PA DOH

How prepared is your organization for a line of duty death? What steps need to be taken and when should they occur? There are several things you can do now at your agency that can assist you if that times come. Join Shane as he reviews how his organization had to navigate through a line of duty death, from notifications, to funeral services. Discover what he and his agency learned. This session is appropriate for all EMS levels. This session is appropriate for all EMS levels.

2:45pm • 3:45pm

Airway Oddities

Dr. Sharon Klapac | Allegheny Health Network

1.0 Clinical Con-Ed Applied thru PA DOH

Tracheostomies, laryngectomies, oh my! How do we manage the airway when the anatomy is not what we expect? Tracheostomies and laryngectomies are increasing in prevalence, and complication rates of these stomas are reported to be greater than 40-60% with high morbidity and mortality. This course will review the most common stoma emergencies including tube obstruction, tube dislodgement, pneumothorax, and hemorrhage, as well as relevant anatomy and equipment you may encounter. A breakdown of initial management priorities will leave you feeling more confident in facing these airway emergencies. This session is appropriate for all EMS levels.

Are You Listening? An Important EMS Skill

Tiffany Vargo | Allegheny Health Network

1.0 Clinical Con-Ed Applied thru PA DOH

Do you know how to effectively converse with your patients? It may seem simple, but basic communication skills are essential in patient care. In this 1 hour presentation, we will discuss effective communication skills to improve your assessment and improve patient satisfaction. This session is appropriate for all EMS provider levels.

Soothing Sedation: Management of Agitated Behavior

Dr. Aleksander Keller | University of Pittsburgh Medical Center

1.0 Clinical Con-Ed Applied thru PA DOH

Ever wonder why your benzos aren't having the effect you're expecting? Confused about why droperidol is suddenly back in favor again? Unsure whether that patient warrants ketamine? Look no further. In this lecture, we'll go over the differences between agitated behavior versus delirium with agitated behavior, discuss the different characteristics between the medications available for sedation, and discuss the pros/cons/risks associated with each medication. This session is appropriate for all EMS provider levels.

4:00pm • 5:00pm

When Good Fireworks Go Bad

Dr. Jason Kodat | UPMC Cole

1.0 Clinical Con-Ed Applied thru PA DOH

Fireworks may not be the most dangerous item you'll see in the field, but they aren't entirely safe either. This is a primer on what happens when fireworks aren't used safely. This session is appropriate for all EMS provider levels.

OMI...Now That We've Mastered STEMI

William Miller |

1.0 Clinical Con-Ed Applied thru PA DOH

Dr. Harold Pardee was the first physician to take an EKG on a patient actively having an acute myocardial infarction. It showed ST segment elevation in Leads II and III, and he thereby discovered the very first STEMI. That was over 100 years ago . . . and we still don't understand what all the subtle changes from normal mean on an EKG. STEMI became a hot topic for EMS a couple decades ago when 12 lead capable pre-hospital heart monitoring suddenly became readily available, and millions of lives have been extended because of the subsequent pre-hospital/earlier Cath Lab activations. But now we're finding that there are patients who are NOT having STEMIs, that still need to go to the Cath Lab. This presentation will serve as an introduction to OMI—

Saturday March 23

Occlusion MI (OMI), and the subtle EKG changes to watch for that may tip you off to its presence. This session is appropriate for all EMS levels.

How Street Drugs Reach Our Patients

Mark Koss | Special Agent | US Department of Justice | Drug Enforcement Administration

1.0 Clinical Con-Ed Applied thru PA DOH

By giving the participants a historical (Western PA) perspective of when we first saw the introduction of Fentanyl in 2015-2016, I would like to share with the participants about how drugs are trafficked to Western PA, the cartels involved, look at the emergence of Xylazine (predominately in Eastern PA), as well as what's on the horizon for us in Western PA, and then capped off by a global perspective of drug trafficking. Offering both a very unique perspective of that as an EMS provider, coupled with that as also being a Special Agent/Tactical Medic. This session is appropriate for all EMS levels.



When arriving at the resort, please check in at the EMS Update Welcome Center, located near the resort's Grand Ball Room. You can obtain your name badge, registration packet and information on the exhibitors and class locations. You can also get needed receipts at this time. We are open:

Wednesday, March 20, 2024

3:30PM—5:30PM

Thursday, March 21, 2024

6:45AM—3:30PM

Friday, March 22, 2024

7:00AM—3:00PM

Saturday, March 23, 2024

7:15AM—10:00AM

NOTICE: Pictures and video will be taken during the conference. By registering for the conference, attending classes, events and activities and/or visiting the resort convention center and/or the exhibitors, you acknowledge that there is a possibility your picture, audio or video image may be taken and that the event organizers can use the photo, audio or video for marketing purposes and that you will not be entitled to any compensation for the photo, audio or video.

Early registration is recommended.

Register online at: www.emsupdate.com

**THREE DAY REGISTRATION IS \$100 IF YOU REGISTER/PAY BY FEBRUARY 2, 2024
REGISTRATION INCREASES BEGINNING FEBRUARY 3, 2024**

(check www.emsupdate.com for pricing)

If unable to register online, please use the registration form at the end of this document. Photocopies of additional forms are acceptable. If there are questions on the registration process, please email us at joe@emsupdate.com or call 412/494-5572.

Please do not mail any registrations after March 13, 2024 but rather register online or bring your conference registration with you and register on-site at the conference (there is no additional fee). We are unable to accept personal checks after March 18, 2024.

The entire brochure and registration form is located @ www.emsupdate.com

Conference attendees assume all risk incidental to participation in all activities, loss or damage to property, and release WREMS/EMS West, General Expositions, and Seven Springs Mountain Resort against any claims.

Up-to-date information on exhibitors attending can be found at <http://www.emsupdate.com>

REFUND POLICY

If you must cancel, your request for a refund must be made **in writing to joe@emsupdate.com**. Substitute attendees are encouraged and accepted at any time. Phone call cancellations cannot be accepted.

If a cancellation is received:

Prior to 9am March 18, 2024, refund approved

After 9am March 18, 2024, no refund

Please allow 3 business days to process your refund. Your bank can take up to 14 business days to post the refund.

Seven Springs is now a CASHLESS facility so please be prepared for your visit.



EMS Update 2024 is held at The Vail Corporation's Seven Springs Mountain Resort, 777 Waterwheel Drive, Seven Springs, PA 15622-4007. The resort is easily accessible from either exit 91 or 110 of the Pennsylvania Turnpike.

Call 855-332-1601 and then select option 2 and then 1 to make your reservation. You **MUST** mention the group code to receive these discounted rates.

NIGHTLY ROOM RATES (subject to taxes)

\$159 per night, single hotel occupancy @ hotel

\$180 per night, double occupancy @ hotel

THE GROUP CODE IS B7SEMS24

The deadline for the hotel to honor these rates is February 18, 2024. After that date, the resort is under no obligation to offer these discounted room rates.

The resort, specifically the hotel rooms, cabins, chalets, all hallways, lobbies, meeting rooms, lounges and dining areas are smoke free. Guests may request ashtrays to be used only on the hotel lodge room balconies. Check in is after 4pm and Check-out is before 11am. Guest rooms feature a balcony or patio for hotel tower or traditional rooms. Flat screen TVs and complimentary wireless internet are available in each room.

Condos, cabins, townhouses and chalets may be available during your stay and are accessible via free shuttle service to and from the main lodge. These hotel rates **MAY NOT** apply to the condos, cabins and townhouses. Cancellation policies are different for condominiums, townhomes, cottage and chalets.

Visit www.7springs.com for more details about the resort.

RESORT PROPERTY ANIMAL POLICY

Seven Springs is a pet-friendly resort. Pets are permitted in the hotel lobby, throughout the corridor of the pet-friendly hallway and in the guest rooms designated pet-friendly. Pets are not permitted on festival grounds during events, in any of our shops and restaurants, on any chairlifts or on the ski slopes during ski season. There is an additional non-refundable charge per night to bring a pet (limited to two pets). Dogs and cats up to 75 lbs are welcome. They also have a selection of pet-friendly condominiums and Sassafras Cottage is also designated as pet-friendly.

Doors to each session close fifteen (15) minutes after the presentation begins. While you may still gain admittance to the room, you will NOT be eligible to receive continuing education credit if you arrive 15 minutes after the start of the session. If you leave a session for longer than five (5) minutes, you will NOT receive continuing education credit for that session.

In deciding which lectures to attend, consider your personal as well as your agency needs. Groups in attendance may want to divide up so that someone is in each lecture offered rather than all sitting together in one lecture session.

Complimentary refreshments are provided each day of the conference for a limited time for registered students during the scheduled breaks (mid-morning and then again mid-afternoon).

An All You Can Eat Hot Food Buffet Lunch is provided for those attendees registered for classes. You will receive lunch tickets in your registration packet. Please present your lunch ticket to the banquet staff as you are seated. Additional lunch tickets are available for purchase each day at cost. Lunch vouchers are only valid for the EMS Update sponsored lunches on Thursday, Friday, and Saturday.

Sessions are open to all, however seating in rooms is limited due to the design of the meeting rooms. In 2024, when maximum chair seating capacity is reached, the doors will be closed and we will not permit entrance. Because of the design of the rooms, we cannot add chairs once capacity is reached. You may have to sit near someone you do not know or sit in the front row of the classroom. Plan accordingly.

Educational costs are underwritten in part thanks to Pennsylvania's
Rural EMS Education Funds.

NO SMOKING—All EMS Update activities, classes, exhibits and hallways are designated strictly non-smoking. Please refrain from using other tobacco products in class.

NO CHILDREN IN CLASSES—In order to reduce classroom distractions, children and infants are not permitted in EMS Update classes.

While in class, please silence all devices that make noise. You aren't responding to that call; the radio and pager can be turned off.

EMS Update 2024 Conference Selection Committee

Chairperson

Larry Pantuso

Washington Health System

Justin Beal	STAT MedEvac	Dawn Buck	Amserv LTD Dusan Ambulance
Robbin Cessna	EMS West	Alex Cutsumbis	Center for Emergency Medicine
Diane Fitzhenry	Penn Hills EMS	Douglas Garretson	
Jonathon Jenkins	Mutual Aid Ambulance Service	Richard Kaufman	EMS West
Jonathan Madaras	SouthEast Regional EMS	Tom McElree	EMS West
Greg Porter	Ross West View EMS	Tiffany Rohde-Wyant	Allegheny Health Network
Brian Shaw	EMS West	Dr. Richard Wadas	EMS West

Interested in presenting at EMS Update 2025?

Visit www.emsupdate.com after July 1, 2024 for the packet of information to apply to speak in 2025.

Applications accepted until COB on September 11, 2024.

Regional Medical Director

Richard J. Wadas, Jr., MD, FACEP, FAEMS

Paul M. Paris, MD (Emeritus)

EMS West Council Staff

Thomas J. McElree, Esq., MBA, NRP | Executive Director

Brian S. Shaw, BS, NRP | Deputy Director

Richard Kaufman, MBA, NRP | Regional Education Coordinator

Joseph Ponko, MBA, EMT | Regional Clinical Coordinator

John Weidow, Paramedic | Regional EMS Coordinator

Scott L. Crawford, Paramedic | Regional Licensing Manager

Robert Smith, Paramedic | EMS Operations

Robbin Cessna, PHRN, NRP | EMS Education

Todd Nicholson, BS, NRP | EMS Education

Jackie A. Taylor, EMT | EMS Education

Jeffrey N. Reeser, FP-C, CP-C, CCEMT-P, NRP, MRP | EMS Education

Curtis Valdiserri, Paramedic, EMTT, TRT | EMS Emergency Preparedness Manager

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 18, 2024**. If you register online, please do not mail the form. We cannot accept personal checks after March 18 or at the conference. On-site registration is available.

Class schedules and speakers are subject to change. Information will be posted if a session is cancelled. If a session is changed, we will make a reasonable attempt to secure suitable replacement(s) of a similar subject/speaker. We do not permit auditing of classes.

Speaker biographies, session titles and session descriptions are provided by speakers and are subject to change.

Tuition for EMS Update 2024 includes: continuing education credit, refreshment breaks, and our All You Can Eat lunch buffet for each day you attend classes/sessions.

Tuition does not include hotel accommodations and/or activity fees at Seven Springs. Please note that lost conference IDs WILL NOT be replaced. Sponsors may have special events that require a separate ticket (available from them) and/or admission fee.

Spouses, guests and children do not have to register/pay unless they plan to attend classes or eat at our lunch buffets.

Additional tickets for the All-You-Can-Eat lunch buffets (featuring hot prepared items) are available and can be purchased on-site for \$25/person/day (this is what we pay the resort for each lunch).

Payment after March must be made by credit card, cashier's check, money order, or cash.

Educational costs are underwritten in part thanks to Pennsylvania's Rural EMS Education Funds.

If you have registered for the conference and have special needs, such as dietary concerns or accessibility concerns, please let us know before March 1, 2024 by sending written notification to joe@emsupdate.com



EMS UPDATE 2024

REGISTRATION FORM

First Name _____ Last Name _____

Organization _____

Address _____

City _____ State _____ Zip Code _____

Telephone _____

Email _____

PA EMS Certification Number _____

If not PA EMS certified, list other license/certification information _____

Card Number _____

Expiration Date _____

Security code from back of card _____

Credit card signature _____

Zip Code _____ (card mailing address)

4 WAYS TO REGISTER:

1. Online www.emsupdate.com
2. Mail this form and payment
EMS Update 2024
Western Regional EMS
1002 Church Hill Road
Pittsburgh PA 15205
3. Fax 412-787-2340
4. Email joe@emsupdate.com

MAKE CHECKS PAYABLE TO WREMS

REGISTRATION FEE IS \$100 FOR THE ENTIRE CONFERENCE IF PAID IN FULL BY FEBRUARY 2, 2024.

\$100 *before 02/02*

This includes admission to the classes, Exhibit Hall, refreshment breaks and lunch for each day you attend. These are all non-transferable.

REGISTRATION FEE IS \$125 FOR THE ENTIRE CONFERENCE IF PAID IN FULL BEGINNING FEBRUARY 3, 2024 AND THROUGH MARCH 23, 2024.

\$125 *starting 02/03*

This includes admission to the classes, Exhibit Hall, refreshment breaks and lunch for each day you attend. These are all non-transferable.

Specific sponsors receive a listing immediately prior to the conference of registration names and emails.

If you want to release your name/email, please click here