Our on-site conference registration kiosk will be open:

**Wednesday, March 25, 2020**
Registration Open 4:30PM—7:00PM

**Thursday, March 26, 2020**
Registration Open 6:15AM—4:00PM

**Friday, March 27, 2020**
Registration Open 7:00AM—4:00PM

**Saturday, March 28, 2020**
Registration Open 8:15AM—1:30PM

Regional EMS council staff will be on site to assist you in obtaining your certification status reports, placing your photograph and signature on your EMS certification card, and answering questions related to your DOH EMS Registry password, certification and the NEW Department of Health Bureau of EMS re-registration process.

Staff can also help you review your continuing education record so you are prepared for re-registration.

**Hours of operation for this kiosk will be posted on-site at the conference.**

When arriving at the resort, please check in at the Conference Registration Area, located near the Grand Ball Room.

You can obtain your name badge and registration packet and receive information on the exhibitors and continuing education.

You can also get needed receipts at this time.
Early registration is recommended.
Register online at: www.emsupdate.com
If unable to register online, please use the registration form on the back page. Photocopies of additional forms are acceptable.
1) PRINT CLEARLY or type your information. Please fill out the form completely.
2) Make checks payable to WREMS.
   WREMS c/o EMS Update 2020
   1002 Church Hill Road
   Pittsburgh PA  15205-9006

For credit card payments, REGISTER ONLINE @ www.emsupdate.com or fax your registration form to 412-787-2340; Phone orders are not accepted. Payment must accompany registration form. We accept cash, check, money orders, Visa, MasterCard, AMEX, and Discover.

If there are questions on the registration process, please email us at jponko@emswest.org or call 412/494-5572.

Please do not mail any registrations after March 18, 2020. Please bring your conference registration information with you and register on-site at the conference (there is no additional fee). We are unable to accept and/or process personal checks after March 18, 2020.

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.

Questions regarding the conference can be sent to info@emswest.org or contact us at 412/494-5572. Up-to-date information on exhibitors attending can be found at http://www.emsupdate.com

Only your name and email address will be shared with EMS Update 2020 Platinum sponsors unless you opt-out on the registration form.

WEDNESDAY NIGHT CON-ED
March 25  5:30—7:30pm
Join us for a FREE session on Wednesday night. Whether you are attending the conference or are local, stop in for a free session, gain some con-ed and see what EMS Update 2020 is all about!

REVAMPED EXHIBIT HALL/HOURS
Exhibit Hall will now open at 10:30am on Friday

BREAKFAST HOURS
Seven Springs will open their breakfast buffet at 6:30am on Thursday and Friday for registered hotel guests.

LONGER LUNCH TIME
You asked for a bit longer to eat lunch before you attend classes and we took your advice for all three days.

EMS WEST
Council staff conduct an informational session on Thursday, March 26 at 7am providing updates on the EMS Registry system.

EMSVO
For those that need their EMSVO credit, join us Thursday or Friday at one of our lunchtime sessions.

FREE KEYNOTES
Classes labeled as KEYNOTE in the brochure are free for anyone who wants to attend.
EMS Update 2020 is held at 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 and is approximately one hour from Pittsburgh, two hours from State College, and three hours from Erie or Harrisburg. Additional information on Seven Springs can be found at their web site, [http://www.7springs.com](http://www.7springs.com)

Rates are subject to taxes. These rates include one night of lodging and a breakfast buffet the following morning. Children 17 years of age and under stay complimentary when lodging in the same room with parents; children’s breakfast is an additional cost.

A deposit of one night’s lodging is required to confirm a reservation. All hotel rooms are non-smoking and include mini-refrigerators, coffee makers, irons and ironing boards, flat screen TVs, multimedia junction boxes and work stations.

The resort does offer free parking for hotel and day guests. Valet parking is available at an additional charge.

Condos, cabins, townhouses, and chalets may be available during your stay and are accessible via free shuttle service to and from the main lodge. Reduced rates and amenities are exclusive to the hotel and may not be applicable to condos, cabins and townhouses.

When making reservations, mention you are participating in the EMS Update 2020 conference to receive these rates. The deadline for these hotel rates/reservations is **February 23, 2020**. The hotel fills quickly for the conference. Limited hotel room availability Friday night. If a reservation must be canceled, seven days advance notice is required to receive a full refund on hotel lodging cancellations. Check-in time is after 4pm, and check-out time is before 11am. Early hotel check-in is not available. A surcharge may apply for late check-outs.

Hotel rooms are available for Wednesday, Thursday, Friday, and Saturday nights at these special conference rates:

- $139 per night, single hotel occupancy @ hotel
- $159 per night, double occupancy @ hotel
- $179 per night, triple occupancy @ hotel
- $199 per night, quad occupancy @ hotel

Contact Seven Springs directly!

866-437-1300
RESORT PROPERTY ANIMAL POLICY
We are 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. We also have a selection of pet-friendly condominiums and Sassafras Cottage is also designated as pet-friendly.

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. 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 two categories: clinical patient care (CPC) and other (O). Course listings reflect these designations.

You can, with careful planning, obtain over 20 CEUs at EMS Update 2020.

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.

Nationally Registered providers: Nationally Registered EMS Providers are required to renew their certification every two years. Pennsylvania does not require you to maintain your National Registry certification. NREMT allows recertification by either taking the cognitive examination or by completing continuing education. The National Continued Competency Program (NCCP) requires a set number of hours of continuing education to recertify. The model requires continuing education in three components: (1) a national component, (2) a local/state component, and (3) an individual component. Review your information from NREMT regarding distribution of con-ed. You are responsible for being familiar with the recertification requirements. Listings in this brochure do not constitute approval by NREMT. Read each course description and compare to the recertification requirements. Please refer to the NREMT website (www.nremt.org) for more information on specific requirements. You are responsible for your own National Registry re-registration materials and processing. Please note that the only way to receive National Registry certification is to take their test; no one is “grandfathered” into their system.
**Lunchtime Con-Ed**

We continue our lunchtime sessions all three days for those that want more con-ed. Grab a bite to eat in the Grand Ball Room at our hot lunch buffet prior to class (you now have more time to eat) and then get an additional one hour of continuing education at our lunch lectures. Lunch is included in your day registration.

Food is NOT available in the classrooms at the education sessions. Please, do not bring food to the sessions. Eat before the session!

**Thursday Sessions (12:15—1:15pm)**

- Cases from the Races: Motorcycle Accidents *with* Dr. Dylan Morris  1.0 Clinical Patient Care
- Lift Assists—Are We Doing it Wrong? *with* Dr. Jeremiah Escajeda  1.0 Clinical Patient Care
- EMSVO—Rollover Prevention *with* Richard Kaufman  1.0 EMSVO

**Friday Sessions (12:45—1:45pm)**

- I Got A Fever...And The Only Prescription is More Cowbell *with* Dr. Chuck Feronti  1.0 Clinical Patient Care
- Narcan or Narcan’t: Controversies in Overdose Management *with* Dr. Jason Kodat  1.0 Clinical Patient Care
- EMSVO—Safe Backing Practice for EMS *with* Richard Kaufman  1.0 EMSVO

**Saturday Sessions (12:15—1:15pm)**

- Things Aren’t Always As They Seem *with* Dr. Owen Traynor  1.0 Clinical Patient Care
- The Crashing Pediatric Patient *with* Dr. April McClellan  1.0 Clinical Patient Care
- Trauma in the Elderly *with* Dr. Cheryl Six  1.0 Clinical Patient Care
- Indications for Critical Care Helicopter Transport *with* Dr. Zach Louderback  1.0 Clinical Patient Care

Seven Springs will open their breakfast buffet in the Slopeside Restaurant at 6:30am on Thursday and Friday for registered hotel guests. The buffet will open at 7am on Saturday.

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 a ticket in your registration packet for the lunch for each day of your conference registration. Please present your day lunch ticket to the banquet staff as you are seated.

Additional lunch tickets are available for purchase each day.

Lunch tickets are only valid for the lunches in the Grand Ball Room on Thursday, Friday and Saturday.
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, your data will be erased from the scanners used to record session admission and you will NOT receive continuing education credit for that session.

Sessions are open to all, however seating in some rooms is limited because of room size and/or faculty demonstrations. Plan ahead to avoid being shut out of a lecture you really want to hear as the doors to these rooms will be closed when maximum capacity is reached. You may have to sit next to someone you do not know or sit in the front row of the classroom. Plan accordingly.

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.

Our on-site conference registration kiosk will be open:
Wednesday, March 25, 2020
Registration Open 4:30PM—7:00PM

5:30pm—7:30pm
SUNBURST
CONED: 2.0 Clinical Patient Care

WHAT THE %$#! IS WRONG WITH YOU?

Join some of our EMS Update 2020 faculty, EMS West staff and local EMS providers as we take a wide-ranging journey through our EMS system, highlighting cases from the perspective of an emergency medical dispatcher, EMT, paramedic and emergency physician.

Unique and complex trauma and medical cases will challenge your assessment skills and assist you in treating patients.

Come prepared to discuss what you would do if confronted with similar scenarios.

This session is free to everyone. You do not have to be registered for the conference. Come up for the evening or stay the weekend.
7:00 ● 8:00am  
**PA Bureau of EMS Registry Updates**  
**Robbin Cessna and Jackie Taylor | EMS West**  
**CONED:** 1.0 Other  
EMS West staff provide information on the Department of Health Bureau of EMS EMS Registry system, including the re-registration process, obtaining con-ed by endorsement and ensuring you meet the requirements to maintain your EMS certification. We also review the EMSVO re-registration process. This session is appropriate for all EMS levels.

| 8:10 ● 9:10am |  
|---|---  
**What’s Coming Down the Road for Trauma?**  
**Dr. Al Philip | Allegheny General Hospital**  
**CONED:** 1.0 Clinical Patient Care  
Trauma care is evolving faster than ever before. Catch up on tools, techniques, and tips to help deliver state of the art care. This session is appropriate for all EMS levels.  

**Pediatric Neurological Emergencies**  
**Dr. Luis Fernandez | UPMC Children’s Hospital of Pittsburgh**  
**CONED:** 1.0 Clinical Patient Care  
The pediatric population features an enormous range of developmental differences posing significant challenges for EMS providers to properly assess and differentiate neurological emergencies, especially epilepsy. We review seizures and discuss how electrical energy behaves in the brain. This session is appropriate for all EMS levels.

**Lung Sounds for BLS**  
**Dr. Dylan Morris | UPMC**  
**CONED:** 1.0 Clinical Patient Care  
Ever had a patient ask "how do my lung sounds?" Not quite sure how to answer? Come to this talk where we review common lung sounds, listen to actual examples, and the conditions that create those sounds. This interactive session uses cases to help illustrate the importance of the basic physical exam and how listening can drive appropriate treatment. This session is appropriate for all EMS levels.

**Code “0” at 23:45hrs: Now Who Is Going To Tell The Family?**  
**Chris Hendershot | AHN Prehospital Care**  
**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 done. 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.

**Acute Stroke Therapy - Getting the Right Patient to the Right Place**  
**Dr. Russell Cerrejo | Allegheny Health Network**  
**CONED:** 1.0 Clinical Patient Care  
Acute stroke therapy for ischemic stroke has come a long way since the introduction of intravenous tPA in the 1990s. Despite the availability of such powerful treatments, less than 10% of eligible patients receive mechanical thrombectomy. The first step in improving access to stroke care begins with educating people to recognize and identify symptoms of stroke. The second step is having stroke systems of care to streamline patients having acute stroke to the right stroke center. This session is appropriate for all EMS levels, with an emphasis on ALS treatments.

9:20 ● 10:20am  
**Concussions within Youth Sports: An Evaluation and Critical Thinking Approach**  
**Gregory Onega | Mutual Aid Ambulance Service**  
**CONED:** 1.0 Clinical Patient Care  
EMS provider are taught how to effectively evaluate, treat, and transport various traumatic injuries. Concussion is a common injury in sports that can be difficult to evaluate and treat. The player may not show the common signs of a concussion and may not have any complaints and state “I’m fine”. Coaches are pushing to put the player back in the game. What do you do? We review common concussion signs and symptoms and how to properly conduct an evaluation for a concussion and determine if they can play or need transported. This session is appropriate for all EMS levels.

**Ouch! That Hurts! The Prehospital Pain Management Paradigm**  
**Tiffany Rohde-Wyant | Allegheny Health Network**  
**CONED:** 1.0 Clinical Patient Care  
Appropriate management of acute pain is an integral part of patient care in the prehospital setting. However, statistics show as many as 43% of patients have insufficient prehospital pain relief. We identify and dispute some of the stigmas and challenges rationalizing minimal pain management in the field and establish a sound clinical model for providers to have a thorough understanding of pain assessment tools and the comparative effectiveness and safety of analgesics for prehospital acute pain management. This session is appropriate for all EMS levels.
9:20 • 10:20am

Initial Management of Burn Injuries
Dr. Ariel Aballay | West Penn Burn Center
CONED: 1.0 Clinical Patient Care
During this presentation the accepted practices for stabilizing a burn patient will be outlined. Different phases of care and management of special type of burn injuries are discussed. This session is appropriate for all EMS levels.

Bring Your Best
Dr. James Green | Mission Ready
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.

Strategies to Coordinate Overdose Prevention Efforts: Expanding the Role of First Responders
Kathleen McHugh | University of Pittsburgh
CONED: 1.0 Other
You are not equipped with the necessary tools to address the root cause of the opiate crisis. We provide an overview of the University of Pittsburgh’s Strategies to Coordinate Overdose Prevention Efforts (SCOPE) First Responder program. The goal is to train you on expanded services such as: naloxone leave behind, universal screening and referral of at-risk patients to rehabilitation services, community paramedicine and follow-up procedures with patients who do not wish to pursue treatment. This session is appropriate for all EMS levels.

10:30 • 11:30am

Protecting Yourself from Prediabetes and Diabetes
Jessica Marshall Regan | Integrated Health 21
CONED: 1.0 Other
Have you been told that you are prediabetic? If so, take this important information as a wake-up call that you’re on the path to diabetes. Lifestyle changes can help many people with prediabetes delay or prevent it from becoming diabetes. We focus on what small steps you can take that will lead to big results in your overall health and help you to prevent diabetes. This session is appropriate for all EMS levels.

My Baby Can’t Breath! Respiratory Emergencies in Children
Dr. Nancy Rixe and Dr. Christopher Stem | UPMC Children’s Hospital of Pittsburgh
CONED: 1.0 Clinical Patient Care
Respiratory emergencies are some of the most challenging cases. We will explore assessment and treatment of the pediatric patient in distress versus failure, in this case-based presentation. This session is appropriate for all EMS levels.

Poison Center Influence with Prehospital Care
Tara Boda | Pittsburgh Poison Center
CONED: 1.0 Other
Using a poison center as a resource can be beneficial to all. Using two years of data from the Pittsburgh Poison Center, there have been many cases that the ambulance did not need to get dispatched or that an evaluation by prehospital provider was done on scene and the patient could stay home with follow up from the center. Poison centers can also help with treatment recommendations and can inform providers what to look for while on scene or during transport. This can also be cost saving to the patient and keep crews available for other incidents. This session is appropriate for all EMS levels.

Whole Blood—a LifeFlight Experience
Dr. Matthew Poremba | 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.

Wiped Out In the Winter
Todd Nicholson | EMS West
CONED: 1.0 Clinical Patient Care
Your patient has a cough, sore throat, a fever and maybe some diarrhea, nausea and vomiting. Probably just the flu, right? Maybe it’s influenza but could it be the norovirus or even respiratory syncytial virus (RSV)? How do you know? How do you treat appropriately and how do you ensure you don’t leave with it at the end of your shift. What happens if you catch it from your patient? We discuss common ailments found during the winter and how to protect yourself while in the back of the truck. This session is appropriate for all EMS levels.

LUNCH BEGINS TODAY AT 11:30
**12:15 • 1:15pm**

**Cases from the Races: Motorcycle Accidents**

*Dr. Dylan Morris | UPMC*

**CONED:** 1.0 Clinical Patient Care

Motorcycle accidents can be among the most grizzly and challenging cases we encounter. Doing the basics right, can save lives. We review cases - extensively documented with photographs - to understand injury mechanisms, scene size up patterns, and injuries specific to motorcycle collisions. With the right knowledge, you can easily identify possible injuries, manage life threats and make a big difference. Motorcycles can kill, we give you the tools to save! This session is appropriate for all EMS levels.

**Lift Assists—Are We Doing It Wrong?**

*Dr. Jeremiah Escajeda | UPMC*

**CONED:** 1.0 Clinical Patient Care

Not another lift assist? Come listen as we explore how lift assist patients are often sicker and more complex then we see them. These patients often present insidiously and are hiding serious pathology that results in frequent admissions and even death. Learn what you need to look for when you are dispatched to a lift assist patient . This session is appropriate for all EMS levels.

**EMSVO - Rollover Prevention**

*Richard Kaufman | EMS West*

**CONED:** 1.0 EMSVO

Driver error is the major contributing factor in nearly all emergency vehicle rollover crashes. This video focuses on physical dynamics of vehicle operations, mechanics of vehicle operations, common rollover circumstances, and best practices for maintaining vehicle control. This session is appropriate for all EMS levels.

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**1:25 • 2:25pm**

**Death by Poisoning**

*Dr. Anthony Pizon | University of Pittsburgh Medical Center*

**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.

**BRUE—Scary for Parents and Providers**

*David LaCovey | UPMC Children’s Hospital of Pittsburgh*

**CONED:** 1.0 Clinical Patient Care

We discuss Brief Resolved Unexplained Event (formally known as ALTE) in infants and it’s appropriate assessment and management strategies. This session is appropriate for all EMS levels.

**Caring for the Entrapped and Crushed Patient**

*Dr. Jeffrey Nusbaum | UPMC Prehospital Care*

**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.

**Capnography—The 5th Vital Sign**

*Justin Beal | UPMC Prehospital Care*

**CONED:** 1.0 Clinical Patient Care

Understanding how to interpret waveforms can give you a 4 to 10 minute warning that your patient is not tolerating the current treatment. We will go into detail on how to dissect an EtCO2 waveform and understand the anatomy behind it. This session is appropriate for all EMS levels, with an emphasis on ALS treatments.

**Life Savers and Heart Breakers: The Future of Cardiac Arrest**

*Dr. Frank Guyette | STAT MedEvac*

**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.
2:35 • 3:35pm
Back to the Future: Vaccine Preventable Disease You Can Get on a Run
Dr. Andrew Nowalk | UPMC Children’s Hospital of Pittsburgh
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.

Shock—A Pause in the Act of Dying
David Lindell | Allegheny General Hospital
CONED: 1.0 Clinical Patient Care
An overview of the causes and pathophysiology of various types of shock. 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 ofprehospital 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.

Don’t Try This at Home Kids. Home Medical Appliances that can Kill
Dr. Frank Guyette | STAT MedEvac
CONED: 1.0 Clinical Patient Care
With the advancement in technology more people are receiving more advanced medical care in the homes. More affordable nanotechnology is helping millions live more independent lifestyles then in the past. But these are still complex medical devices and in the wrong hands can turn deadly. We will discuss these new devices and how to avoid turning a good thing bad. This session is appropriate for all EMS levels.

Current Perspectives on CPR: When to Start? When to Stop?
Dr. Vince Mosesso | UPMC Prehospital Care
CONED: 1.0 Clinical Patient Care
We discuss current perspectives in determining when it is appropriate to withhold CPR and criteria for terminating CPR in consideration of recent advances in medical knowledge and technological capabilities and the continuing evolution of ethical theory. A diversity of situations will be covered including traumatic and nontraumatic cardiac arrest scenarios and the presence of various forms of advance directives. This session is appropriate for all EMS levels.

3:45 • 5:15pm
KEYNOTE
Blueprint for Rural EMS Agencies
Dan Batsie | Vermont Department of Health
1.0 Other

It is getting harder and harder for small, rural EMS agencies to survive. Low call volumes leading to low reimbursement, recruitment problems, and growing administrative and statutory requirements make just staying open a tremendous challenge. But there is hope. Successful agencies carve their future from a collaborative vision and combine constant evolution with time tested leadership tactics. This class will use case studies to describe successful rural EMS agency planning and discuss the strategies others have used to breed viability. While there may be no easy answers, this engaged discussion will consider the winning paths of several small agencies and offer their successful plans as starting points for other agencies. This session is appropriate for all EMS levels.

A brief presentation by the EMS West EMS Honor Guard precedes the Thursday Keynote session. Opening session is provided through the generosity of
7:45 • 8:45am

Ten Shocking EKGs and Their Stories
Dr. Rich Kaplan | Allegheny Health Network

CONED: 1.0 Clinical Patient Care

I will review ten cases with their corresponding EKGs. We will then discuss the prehospital and emergency department treatment of each of the patients. This session is appropriate for all EMS levels with an emphasis on ALS treatments.

Why They Stay: Building an Agency Culture that Promotes Retention
Dan Batsie | Vermont Department of Health

CONED: 1.0 Other

Recruitment and retention failures are an epidemic that plagues EMS at all levels. While pay plays a large role, the factors that are most controllable by leadership are consistently related to the culture that is created within the organization. Pride, identity, ownership, and belonging are among the most important anchors for retention and yet these valuable traits are too often minimized and ignored. Retention is a leadership skill that can be crafted and improved and we discuss how to do just that. This session is appropriate for all EMS levels.

Thirty Days to Live
David LaCovey | UPMC Children’s Hospital of Pittsburgh

CONED: 1.0 Clinical Patient Care

Medical emergencies during the first month of life can present challenges to the prehospital care provider. Utilizing case reviews we will review and discuss the appropriate assessment, recognition, and field management of some common medical emergencies seen during the first thirty days of life. This session is appropriate for all EMS levels.

Trends You Need to Know: What is New with the AHA and EMS
Gina Hrach | American Heart Association

CONED: 1.0 Other

We describe the system of care, the importance of the newest research, program development and up-to-date guidelines associated with disease states such as STEMI, NSTEMI, stroke and out-of-hospital cardiac arrest. The American Heart Association’s Mission: Lifeline® program enhancements will be reviewed to support the known strategy of collaboration to impact patient outcomes. Resuscitation Quality Improvement (RQI) will be introduced to share the most innovative program for CPR recertification. This session is appropriate for all EMS levels.

Blood, Guts, and Gore
Dr. Richard Wadas | EMS West

CONED: 1.0 Clinical Patient Care

Research has demonstrated that controlling bleeding as soon as possible after trauma saves lives. The Stop the Bleed program has been shown to be very successful; classes are being taught everywhere to everyone. As EMS providers, you sometimes see things that are a bit more complicated. We’ll review hemorrhage control and the use of tourniquets with an emphasis on impaled objects and amputations. These are not just flesh wounds! This session is appropriate for all EMS levels.

Join us Friday, March 27 and Saturday, March 28 as we open one of the largest free admission EMS exhibitions in Pennsylvania.

Over 16,000 square feet of EMS, and public safety equipment, products and services.

Exhibit Hall is open Friday, March 27, from 10:30 a.m. until 6:00 p.m.

We open back up again on Saturday, March 28, from 10:00 a.m. until 1:30 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 your families and shop for your needed supplies and equipment.

Students in the Keynote session on Friday March 27 receive priority admission into Exhibit Hall.
9:00 • 10:30am
Critical Incident Survivor
1.0 Clinical Patient Care
Dr. L. Michael Peterson | HealthNet Aeromedical Service

In this powerful presentation, you will hear first hand how Dr. Mike Peterson, as a patrol officer, actually had two events in which EMS saved his life. The first occurred during a foot chase in which he was stabbed twice. The second as a motorcycle patrol officer who was run over by a fully loaded tractor trailer and suffered a crushed chest and near amputation of his arm. Stemming his chest bleeding by stuffing his injured hand in his open chest, Peterson stayed alive until paramedics arrived and saved his life. Faced with injuries that prevented him from returning to his police motorcycle position, during his rehab, he was pointed toward medical school. He now serves as an EMS physician, medical director and flight program medical director. His inspirational story will show you how you can survive the worst of what life throws at you to be a leader in EMS. This session is appropriate for all EMS levels.

11:00am • 12:00pm
Rapid Triage and Extrication of Patients in a Hostile Environment
Robert Druga | Allegheny Health Network
CONED: 1.0 Clinical Patient Care

Unfortunately, active shooter or threat incidents have, are, and will occur on a regular basis. Based on the typical injuries that occur during these incidents, time needed to triage and extricate should not be wasted. This class reviews SMART Triage and how it can be used quickly and more effectively. It will also show how extrication of victims can be done more efficiently, with little resources and less physical stress. This session is appropriate for all EMS levels.

Boots on the Ground: Peers Helping Peers
Dr. Sheila Roth | Carlow University
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.

Trauma in Children
David LaCovey | UPMC Children’s Hospital of Pittsburgh
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.
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<th>Topic</th>
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<tr>
<td>7:00AM—8:00AM</td>
<td>EMS Registry Update</td>
<td>Ms. Cessna &amp; Ms. Taylor</td>
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<td>What’s Coming For Trauma</td>
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<td>Pediatric Neurological Emergencies</td>
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<td>I Got A Fever; Need More Cowbell</td>
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<td>Narcan or Narcan’t: Controversies</td>
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<td>Saving Lives At Active Shooter Events</td>
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<td>Amazing Stroke Cases</td>
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<td>Things Not As They Seem</td>
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<td>Old People with Belly Pain</td>
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<td>Overdose Prevention Efforts</td>
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**BLUEPRINT FOR RURAL EMS AGENCIES MR. BATSIE**

**1.0 Other**

**CRITICAL INCIDENT SURVIVOR DR. PETERSON**

**1.0 CPC**

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<td>Mr. Taramelli</td>
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**Safe Backing Practice EMSVO**

**1 EMSVO**

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### 11:00am - 12:00pm

**Why the Closest Trauma Center Matters – Achieving Zero Preventable Deaths**  
Mike Taramelli | Forbes Hospital  
**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.

**I think I’m Going To Throw Up: Prehospital Management of the Nausea and Vomiting Patient**  
Dan Batsie | Vermont Department of Health  
**CONED:** 1.0 Clinical Patient Care  
“I think I’m going to throw up” is a complaint heard daily. It’s so common that most providers have developed a reflex to quickly grab for the emesis bag and pray they don’t have to clean up a mess. At the advanced levels, the reflex has evolved into dispensing antiemetic medications like candy at Halloween. Not all nausea and vomiting patients are routine and frequently these symptoms mask underlying, life-threatening problems. We discuss the most common etiologies of nausea and vomiting and provide assessment strategies to better identify when these symptoms indicate a potentially critical patient. We will describe best practice, prehospital treatment for nausea (both basic and advanced interventions) and review the current evidence to differentiate myth from fact. This session is appropriate for all EMS levels.

### 12:45 - 1:45pm

**I Got a Fever...And the Only Prescription is More Cowbell!**  
Dr. Chuck Feronti | Allegheny Health Network  
**CONED:** 1.0 Clinical Patient Care  
Using a case based approach, we'll discuss the topic of fever. Infectious and non-infectious causes will be addressed. Appropriate protection for personnel will be discussed when needed, and we’ll dive into the workup/management of these various febrile illnesses. This session is appropriate for all EMS levels.

**Narcan or Narcan't: Controversies in Overdose Management**  
Dr. Jason Kodat | UPMC Cole  
**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.

**EMSVO - Safe Backing Practice for EMS**  
Richard Kaufman | EMS West  
**CONED:** 1.0 EMSVO  
This course focuses on understanding the importance of safe vehicle backing measures and adopting these best practices into your organization’s driving procedures. This session is appropriate for all EMS levels.

### 2:00 - 3:00pm

**What Saves Lives During Active Shooter Events?**  
Dr. Ronald Roth | University of Pittsburgh Medical Center  
**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.

**They’re Not Just Little Adults: Challenges in Assessing the Pediatric Patient**  
Dr. Sylvia Owusu-Ansah | UPMC Children’s Hospital of Pittsburgh  
**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.

**Chest and Abdominal Injuries – Are They Related?**  
Dr. Leonard Weiss | University of Pittsburgh School of Medicine  
**CONED:** 1.0 Clinical Patient Care  
Except for the brain, all vital organs live in the chest and abdomen. Therefore, injuries to these areas have a high mortality rate and should be taken seriously. We discuss signs and symptoms of multiple organ involvement, medical terminology, and current prehospital treatment for these types of injuries. This session is appropriate for all EMS levels.
2:00 • 3:00pm
Some Get It Right, Some Get It Wrong: Interacting With the Media
Dr. Christian Martin-Gill | University of Pittsburgh Medical Center
CONED: 1.0 Other
Recurring threats, mass gatherings, and daily EMS events require everyone to be ready to speak to the media and the public. Are you ready to respond if someone puts a microphone in front of you? How should you interact on social media within your EMS agency? We review risk communications for everything from weather events, mass shootings, and daily EMS operations. We explore actual incidents where it was done right or very wrong when interacting with the media and the public. This session is appropriate for all EMS levels.

Save the Brain – Preventing Secondary Injuries
Dr. Vince Mosesso | UPMC Prehospital Care
CONED: 1.0 Clinical Patient Care
TBI’s account for 25% of trauma fatalities. However, prehospital management is not widely understood (do we bag them up or do we bag them down)? From bleeds to herniation, EMS can make a difference in outcome. Let’s break it down together. This session is appropriate for all EMS levels.

3:15 • 4:15pm
Adult Trauma Assessment – A Systematic Approach to Patient Evaluation
Dr. Walt Stoy | Center for Emergency Medicine
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.

Fentanyl Facts and Fiction: A Safety Guide for First Responders
Simon Taxel | City of Pittsburgh Bureau of EMS
CONED: 1.0 Clinical Patient Care
There have been a multitude of reports suggesting that public safety responders have suffered toxic exposure to illicit fentanyl simply by being in close proximity to it. However, the American College of Medical Toxicology and the American Academy of Clinical Toxicology both agree that there is little to no risk of occupational exposure to fentanyl and its analogs for first responders. They state unequivocally that the transdermal absorption and or aerosolization and subsequent inhalation of fentanyl are not possible. To date, none of the reported overdoses related to incidental exposure to fentanyl by first responders have been validated with toxicological evidence. We describe the history of fentanyl, discuss the perceived and actual hazards that are present when the drug is found at the scene of emergency incidents, and provide evidence-based guidance for first responders to safely operate at those scenes. This session is appropriate for all EMS levels.

Five Causes of Sudden Death and What You Can Do About Them
Dr. Chadd Nesbit | 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.

Latest Advances in Acute Endovascular Stroke Therapy 2020
Dr. Andrew Ku | Allegheny Health Network
CONED: 1.0 Clinical Patient Care
Acute stroke therapy has evolved greatly in the last ten years and is one of the areas where great advances are still being made. We will cover the latest treatments available both locally and internationally. Focus will be made on new studies and technologies and techniques in treatment of both acute ischemic stroke and acute hemorrhagic stroke. We will review some of the tools available to aid in decision making and evaluation of patients with stroke. 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.
4:30 • 5:30pm
Getting Blamed for Treating Pain
Dr. Ronald Roth | University of Pittsburgh Medical Center
CONED: 1.0 Clinical Patient Care
Are EMS providers creating the next opioid crisis by administering narcotic pain medications in the field? Will the tradition of EMS providers poorly treating painful conditions continue with the new medications added to the PA EMS drug list (Ketorolac, Ketamine, Acetaminophen)? Are these newly added medications really safe for all patients? Please attend so you can become a more informed pain reliever. This session is appropriate for all EMS levels.

Medical Devices and Implants for Emergency Providers
Dr. Nicholas von Forster | University of Pittsburgh Medical Center
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.

Essentials of Tactical EMS: SWAT for the EMS Provider
Dr. Leonard Weiss | University of Pittsburgh School of Medicine
CONED: 1.0 Clinical Patient Care
In this segment, we discuss the basic need to know for tactical EMS as well as the latest evolutions. While this discussion will include important aspects for TEMS providers, in today’s era, everyone in public safety must now be engaged in this critical system of care. This session is appropriate for all EMS levels.

Initial Burn Management in The Field
Jennifer Robison | West Penn Burn Center
CONED: 1.0 Clinical Patient Care
This session focuses on both BLS and ALS provider management of burns in the field. It goes over the functions of the skin, classification of burns by age and type, and recent data on burns. You learn how to rapidly assess, treat and transport burn patients as well as provide rapid fluid resuscitation and burn center referral criteria. This session is appropriate for all EMS levels.

EKGs for the BLS Provider
William Miller | US Acute Care Solutions
CONED: 1.0 Clinical Patient Care
Interpretation of EKGs lives in the land of the Paramedic, PHRN, PHPE, and above. However, nothing says that if you are a BLS provider that you can’t assist your advanced level partners with getting the electrodes on the patient, or alerting them to a possible problem when the EKG suddenly changes in appearance or “just doesn’t look right,” and even capture a baseline 12 lead before the “response unit” meets up with you. This presentation will review basic cardiac anatomy and physiology, explain how heart activity translates into the squiggly lines we call an EKG, and includes some hands-on demonstration work to insure you know how to get the leads on your patients correctly. This session is appropriate for all EMS levels.

Families—join us Friday night beginning at 7pm for popcorn, pizza, cookies, child-friendly beverages, soft drinks and a family movie!

Depending on availability, the movie (G or PG rated) will have recently been in the movie theaters! We will also show a different movie Saturday night.

We’ll announce the movie the week of the conference. Everyone is invited—there is no charge to attend. See you in the Snowflake Forum!
9:00 • 10:00am

Breaking Bad: Care of Orthopedic Injuries
Dr. Ivan Tarkin | University of Pittsburgh School of Medicine
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.

Prehospital Pain Management
Dr. Phillip Nawrocki | 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.

When One Patient Becomes Two – When Trauma is Involved in Pregnancy
Dr. Rickquel Tripp | UPMC Prehospital Care
CONED: 1.0 Clinical Patient Care
Trauma is hard enough when you can see the patient. How about when you can’t? We will discuss the difficulty in managing a pregnant trauma patient, physiologic changes that occur that may make normal assessment findings seem abnormal, and the proper destination for trauma involving pregnancy. This session is appropriate for all EMS levels.

Crashing Patient Program Train the Trainer Part I
Mark Pinchalk | City of Pittsburgh Bureau of EMS
CONED: must take part I and part II to receive 2.0 Other credit  (part II begins at 10:30am)
The Pittsburgh EMS Crashing Patients Program was recently adopted as a 2019 ALS Pennsylvania State Protocol. This presentation is designed for EMS agency Training Officers to implement this critical care program in their system. This presentation will review the core concepts of the protocol as it relates to the care of seriously ill medical patients. This session is geared to ALS providers.

Work Life Balance in Trauma Care
Dr. Andrew Peitzman | University of Pittsburgh Medical Center
CONED: 1.0 Other
With burn out rates increasing in the health care profession, we will discuss ways to balance home health along with work health. In a busy trauma center, as in the busy EMS community, Dr. Peitzman with 40 years of managing the busiest trauma system in the State of Pennsylvania, will discuss how he has balanced his home and work life. This session is appropriate for all EMS levels.

10:30 • 11:30am

Amazing Stroke Cases
Dr. Jaydevsinh Dolia | University of Pittsburgh Medical Center
CONED: 1.0 Clinical Patient Care
We will explore some of the most amazing stroke cases involving EMS. The latest research and new therapies will be discussed. What can a mobile stroke unit do for you? This session is appropriate for all EMS levels.

Dumb Things That Occur When Responding on a Call—Risk Management
Dr. Roy Cox | Pittsburgh CISM
CONED: 1.0 Other
We examine the incidents that can result in higher risk factors for responders. We identify sample high risks while focusing to determine possible outcomes. Understanding risks and prevention methods and tools can reduce injuries while improving efficacy. In public safety, risk factors and potential risks need to be identified and reduced by a team approach. This session is appropriate for all EMS levels.

It’s Baby Time: Tackling OB & GYN Emergencies From a First Time Mom’s Perspective
Dr. Rickquel Tripp | UPMC Prehospital Care
CONED: 1.0 Clinical Patient Care
Learning about normal birth delivery and how to deal with perinatal and postpartum complications. Understanding the up-to-date treatments and recommendations for preclampsia, eclampsia, peri-mortem C-sections, and more. This session is appropriate for all EMS levels.

Care of the Entrapped Patient
Dr. Timothy Satty | University of Pittsburgh Medical Center
CONED: 1.0 Clinical Patient Care
There are many instances when you are faced with caring for patients who are entrapped or may require prolonged extrication. There are many unique challenges present in this environment including difficulty with patient access, electrolyte disturbances, crush injuries and blood loss. We discuss the most common complications in caring for entrapped patients. Also will discuss how basic techniques for building collapse and vehicle extrication impact patient care including situations that may require field amputation. This session is appropriate for all EMS levels.
10:30 ● 11:30am
Crashing Patient Program Train the Trainer Part II
Mark Pinchalk | City of Pittsburgh Bureau of EMS
CONED: must take part I and part II to receive total credit of 2.0 Other
This is the second part of the train the trainer program that began at 9:00am. The Pittsburgh EMS Crashing Patients Program was recently adopted as a 2019 ALS Pennsylvania State Protocol. This presentation is designed for EMS agency Training Officers to implement this critical care program in their system. We provide educational guidelines and tools for implementing the program, performing quality improvement and data analysis in your EMS agency. This session is geared to ALS providers.

12:15 ● 1:15pm
Things Aren’t Always As They Seem, Part II
Dr. Owen Traynor | Center for Emergency Medicine
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.

The Crashing Pediatric Patient
Dr. April McClellan | Penn Highlands Healthcare
CONED: 1.0 Clinical Patient Care
It’s your worst nightmare. You’re dispatched for a critically ill or injured child. In this hour, we’ll discuss how to care for your youngest patients in the pre-hospital setting. This presentation is case-based and interactive. You’ll learn how to distinguish and treat various pediatric respiratory emergencies. You’ll learn how to assess an infant or child with an altered mental status. We’ll discuss pediatric trauma and sports-related injuries. You’ll also learn how to assess and treat the febrile child. Additionally, cardiac emergencies will be briefly discussed. Both BLS and ALS providers will benefit from this class. This session is appropriate for all EMS levels.

Get to the Chopper! Indications and Considerations for Critical Care Helicopter Transport
Dr. Zach Louderback | University of Pittsburgh Medical Center
CONED: 1.0 Clinical Patient Care
As aeromedical transport programs continue to expand and medicine continues to consolidate to large city centers, I plan to discuss various indications for critical care air helicopter transport. I will go through multiple cases to explore such indications. I also plan to discuss how best to prepare a patient for helicopter transport as well as discuss safety and operation considerations. This session is appropriate for all EMS levels.

When the Golden Years Aren’t Golden- Trauma in the Elderly
Dr. Cheryl Six | UPMC Mercy
CONED: 1.0 Clinical Patient Care
With a large medication list, and age-related changes to their anatomy, trauma involving the elderly can be challenging. That’s why a detail physical assessment and a high index of suspicion should always be maintained. We will discuss proper assessment techniques and common pitfalls in geriatric trauma. This session is appropriate for all EMS levels.

1:40 ● 2:40pm
Latest and Greatest – New Technology in EMS
Dr. Timothy Satty | University of Pittsburgh Medical Center
CONED: 1.0 Clinical Patient Care
What things are worth spending money on and what technologies are actually beneficial to patients? In what ways can these new pieces of equipment improve my EMS practice? In this presentation we will discuss some of the new technology that services in the region have adopted or have considered adopting. Airway devices such as video laryngoscopy and new supraglottic devices will be discussed. We will also talk about the utility of ultrasound, new decompression needles and other new devices. This session is appropriate for all EMS levels.

Old People With Belly Pain - NOT a Good Mix
William Miller | US Acute Care Solutions
CONED: 1.0 Clinical Patient Care
Evaluating an elderly patient with abdominal pain can be difficult at best, and the list of possible causes for their discomfort is quite extensive and filled with all kinds of things that can lead to a bad outcome if not quickly identified. And remember, “Baby Boomers” still make up the largest percentage of the population, and the youngest of them are turning 55 years of age soon, so we are likely to see a steady increase in this type of complaint for some years to come. This presentation will take an in-depth look at the most common causes of abdominal pain in the “we’re not as young as we used to be” population, including signs, symptoms, and physical exam findings that may signal a developing more serious pathology. This session is appropriate for all EMS levels.
1:40 • 2:40pm
When Emergency Responders Becomes the Emergency
Larry Pollock, Jr. | UPMC Prehospital Care
CONED: 1.0 Clinical Patient Care
This class is an overview of common injuries emergency workers experience including: fire ground, EMS operation, rescue operations, as well as other risks involved in the work we are involved in on a daily basis. Topics will include traumatic injuries, CO poisoning, sudden cardiac arrest, orthopedic injury, and burns. This session is appropriate for all EMS levels.

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.

Labs to Lasers: Advancements in Burn Care
Justin Barry | UPMC Mercy
CONED: 1.0 Clinical Patient Care
Healthcare is a forever changing field. New advancements are created and trialed every day. In this lecture we will discuss the new techniques in obtaining skin grafts, implementing the use of lasers in burn treatment as well as the best way to manage pain in a burn victim. This session is appropriate for all EMS levels.

2:50 • 4:00pm
1.0 Clinical Patient Care

Hidden Dangers—What You Don’t See Can Hurt You!

For the first time in forever, Brian Shaw, EMS West’s Deputy Director, will step into the role of talk show host, sharing stories for EMS providers new realities that require us to always be prepared and ‘in the know.’ As always, EMS Update conferences bring you the most current topics critical to EMS providers across Pennsylvania. Brian will interview a series of panelists on how situational awareness should be applied at the personal, agency and regional level. Three hot topics for every EMS professional looking to stay current. This session is appropriate for all EMS levels.

Guest 1: Situational Awareness—Agency
Todd Leiss
Todd is the Traffic Incident Management Coordinator for the Pennsylvania Turnpike Commission and also helps lead Pennsylvania Traffic Incident Management Enhancement (PennTIME), the Statewide Traffic Incident Management Program. We’ll chat with Todd about his role at the PA Turnpike and his passion for traffic incident management. Traffic incidents are the leading killer of emergency responders. We’ll discuss how Pennsylvania has implemented the interagency approach to traffic incident management and responder safety.

Guest 2: Situational Awareness—Regional
Frank A Janetti, Jr.
Frank leads the Western PA All-Hazards Fusion Center, one of 75 such centers across the country. The Fusion Center involves the merging or fusion of multiple emergency response agencies for the purpose of sharing information. The Region 13 Fusion Center (R13FC) is an all-hazards fusion center focusing on threats and hazards ranging from terrorism, to criminal activity, to technological and natural hazards. Frank will share how the center operates.

Guest 3: Situational Awareness—Personal
Luke Sculli
The Economy native was hurt when he and other members of the U.S. Army’s 10th Special Forces Group, popularly known as Green Berets, were breaching a structure in southern Afghanistan that was booby-trapped with improvised explosive devices that detonated. Luke was pinned in the rubble, and fractured his neck, shoulder blade and pelvis. He also suffered a traumatic brain injury. Luke will discuss his journey back to Pennsylvania, what he learned about personal resolve and how some military training information can be of value to EMS providers.
Families—join us Saturday night beginning at 7pm for popcorn, pizza, cookies, child-friendly beverages, soft drinks and a family movie!

 Depending on availability, the movie (G or PG rated) will have recently been in the movie theaters! This will be a different movie from Friday night.

Everyone is invited—there is no charge to attend.

See you in the Snowflake Forum!

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Chief | Division of Orthopedic Traumatology  
University of Pittsburgh Medical Center |
|---|---|
| Matthew Poremba, DO  
Medical Director | LifeFlight  
Allegheny Health Network | Simon Taxel, NRP, BA  
Crew Chief  
Pittsburgh Bureau of EMS |
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Registered and Licensed Dietitian  
Integrated Health 21 | Jackie A. Taylor, EMT  
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Emergency Medicine Fellow  
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EMS Medical Director | UPMC Prehospital Care  
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Prehospital Care Coordinator  
Allegheny Health Network | Nicholas von Foerster, MD  
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University of Pittsburgh School of Medicine |
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Professor | Emergency Medicine  
University of Pittsburgh Medical Center | Richard J. Wadas, Jr., MD, FACEP, FAEMS  
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EMS West |
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University of Pittsburgh Medical Center |
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Director  
Vigilant Medical Training |
| Cheryl Six, MD  
Assistant Professor of Surgery  
UPMC Mercy |
| Christopher Stem, MD  
Pediatric Emergency Medicine Fellow  
UPMC Children’s Hospital of Pittsburgh |
| Walt Stoy, Ph.D.  
Professor | Emergency Medicine  
University of Pittsburgh |
| Mike Taramelli, MBA/HCM, RN, CEN, TCRN  
Director | Trauma Program  
Forbes Hospital - Allegheny Health Network |

Interested in presenting at EMS Update 2021?

Visit [www.emsupdate.com](http://www.emsupdate.com) after July 4, 2020 for the packet of information you will need to apply for a faculty position in 2021. The last day to apply is September 11, 2020.
Main Conference Program
WEDNESDAY, MARCH 25
5:30—7:30pm

THURSDAY, MARCH 26
7:00am—5:15pm

FRIDAY, MARCH 27
7:45am—5:30pm

SATURDAY, MARCH 28
9:00am—4:00pm

Opening Ceremonies and Keynote
THURSDAY, MARCH 26
3:45—5:15pm

General Session and Keynote
FRIDAY, MARCH 27
9:00—10:30am

Safety Showcase
SATURDAY, MARCH 28
2:50—4:00pm

Exhibit Hall
FRIDAY, MARCH 27
10:30am—6:00pm

SATURDAY, MARCH 28
10:00am—1:30pm
If you have registered for the conference and have special needs, such as dietary concerns or accessibility concerns, please let us know before March 5, 2020 by sending a written notification to jponko@emswest.org

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Richard J. Wadas, Jr., MD, FACEP, FAEMS  
Tabatha Jeffers, DO

**EMS West Council Staff**  
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Joseph Ponko, MBA, EMT  
Brian Shaw, BS, NRP  
Robert Smith, Paramedic  
Kellie Spangler  
Jackie A. Taylor, EMT  
Curtis Valdiserri, Paramedic, EMTT, TRT  
John Weidow, Paramedic

**EMS Update 2020 Conference Selection Committee**  
Chairperson  
Douglas Garretson  
Center for Emergency Medicine  
Paul Colligan  
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Miles Darby  
UPMC Prehospital Care  
Diane Fitzhenry  
Penn Hills EMS  
Nora Helfrich  
Tri-Community South EMS  
Chris Hendershot  
Allegheny Health Network  
Richard Kaufman  
EMS West  
Dave Lindell  
Allegheny Health Network  
Jonathan Madaras  
SouthEast Regional EMS  
Robert McCaughan  
Allegheny Health Network  
Tom McElree  
EMS West  
Paul Paris, MD  
EMS West  
Rodney Rohrer  
Ambulance & Chair Service  
Brian Shaw  
EMS West

**EMS Conference Coordinator**  
Joseph Ponko

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

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NOTICE: Pictures will be taken during the conference. By registering for the conference and/or visiting 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.
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](http://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, 2020**. If you register online, please do not mail the form. We cannot accept personal checks after March 18 or at the conference. We do permit on-site registration.

Class schedules and faculty are subject to change. We reserve the right to cancel a session due to insufficient enrollment. Participants will be notified if a session is cancelled. Students must be registered for each session they attend. We do not permit auditing of classes.

Faculty biographies, session titles and session descriptions are provided by faculty and are subject to change. Course handouts are placed on the official EMS update website, [www.emsupdate.com](http://www.emsupdate.com), when, and if, faculty provide. Additional information on each faculty member can be found at [www.emsupdate.com](http://www.emsupdate.com)

**REFUND POLICY**

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

If a cancellation is received:
Prior to March 18, 2020, refund is 90%
March 19, 2020 and after, no refund (substitute attendees are encouraged).

**Tuition for EMS Update 2020 includes (for each day registered): continuing education credit, refreshment breaks, and our All You Can Eat lunch buffet.**

Tuition does not include hotel accommodations and/or activity fees at Seven Springs. Please note that lost lunch tickets WILL NOT be replaced. Sponsors may have special events that require a ticket and/or admission fee.

Spouses, guests and children do not have to register/pay unless they plan to attend classes. The Family Movie Nights, and admission to Exhibit Hall, are free.

Additional tickets for the All-You-Can-Eat lunch buffets (featuring hot prepared items) are available and can be purchased on-site for $20/person/day.

Payment after March 18 must be made by credit card, cashier’s check, money order, or cash.
REGISTRATION FORM

First Name __________________________ Last Name __________________________

Job Title __________________________ Organization __________________________

Address _____________________________________________________________

City __________________________ State _______ Zip Code __________________________

Telephone __________________________ Email __________________________

PA EMS Certification Number __________________________ □ ALS □ BLS □ Other

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

Charge to: [ ] VISA [ ] MasterCard [ ] DISCOVER [ ] AMEX
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 2020
   Western Regional EMS
   1002 Church Hill Road
   Pittsburgh PA  15205
3. Fax 412-787-2340
4. Email  jponko@emswest.org

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

If you do not want to release your name/email, please click here  □

3 DAY REGISTRATION
Thursday
Friday
Saturday
$200

2 DAY REGISTRATION
Thursday
Friday
$150

2 DAY REGISTRATION
Friday
Saturday
$150

1 DAY REGISTRATION
Thursday
$90

1 DAY REGISTRATION
Friday
$90

1 DAY REGISTRATION
Saturday
$90