

Thursday November 13	Time	Class	Instructor	Description
	7:00	Registration Opens		
	08:00 - 12:00	NRC Offering 1	Sarah Curry & Dusty Lynn	Though some studies suggest that 3%–8% of newborns receive respiratory support during the first few minutes of life, only 0.1%–0.3% will require advanced cardiopulmonary interventions at birth. The NRC is a four hour in-person class on newborn resuscitation taught by experienced health care providers who have had both newborn resuscitation and EMS experience and is totally focused on newborn resuscitations that may occur outside of the hospital setting.
	08:00 - 12:00	High Performance Ventilation Workshop	Bob Page & Dr. Alix Paget-Brown	Take your airway management skills to the next level in this hands-on workshop led by renowned educator Bob Page. This dynamic 4-hour session focuses on high-performance ventilation (HPV), where you'll learn how to effectively ventilate patients using BVM, mask, ET tube, and supraglottic airways. Using advanced computerized simulators, you'll receive real-time feedback on pressures, volumes, and ventilation rates, helping you refine your technique and improve outcomes. Discover the three pillars of HPV, the impact of rate, volume, and pressure, and the critical role of capnography in preventing hyperventilation. With individualized coaching and plenty of practice time, this workshop is limited to 20 participants to ensure a hands-on, immersive learning experience.
	08:00 - 17:00	PEPP Hybrid	Jeremy Wampler	PEPP prepares prehospital professionals for the unique demands of emergency pediatric care. From infant modifications to critical diagnoses to interacting with caregivers, our acclaimed course provides exactly what you need to confidently serve this population
	08:00 - 12:00	Mechanical Ventilation	John Hawn Fields & Kyle Papelin	Participants will be introduced to the use of Mechanical Ventilators as it applies to EMS scene response and inter-facility transports. Time will be spent discussing BVM vs Mechanical Ventilator use, various modes of ventilation with advantages and disadvantages of each mode discussed. Settings/adjustments and troubleshooting alarms will also be discussed. Participants will be given hands on time using the Zoll Z Vent ventilator in various scenarios.
	08:00 - 12:00	Documentation - An Essential Skill	Amanda Loreti	Overview: In "Documentation - An Essential Skill," this EMS continuing education class will equip you with the knowledge and techniques to master the art of accurate and effective Patient Care Reports (PCRs). Part 1 delves into the historical evolution of EMS, highlighting the pivotal role of PCRs in patient care and system efficiency. You'll explore the functions that PCRs serve, understand the role of the National Emergency Medical Services Information System (NEMSIS), and review the minimum data requirements essential for thorough documentation. Part 2 focuses on refining your documentation skills with practical insights into good documentation practices. This includes mastering narrative elements, understanding various data fields, and learning from real PCR examples. You'll also examine how PCRs impact legal cases, performance improvement projects, and research. Regional data metrics will be discussed to illustrate the broader implications of thorough documentation. By the end of this course, you'll gain a deeper appreciation for the crucial role of your PCR, enhance your documentation skills, and tackle the more challenging elements with confidence.
	13:00 - 17:00	High Performance Ventilation Workshop - NIC	Bob Page & Dr. Alix Paget-Brown	Research shows that more often than not, EMS providers have trouble ventilating adult patients. But in the smallest of patients, newly born, infants and children, the margin for error is much thinner and the calls and training is much less frequent. Everything from choosing what size equipment to use, to how it actually works and is used in the pediatric and sub pediatric patient. There are guides and apps that can help you choose equipment, but actually doing the skills takes a lot of practice with actual equipment. In this eye-opening, hands-on workshop, Bob and Alix shows participants how to ventilate patients by BVM, Neo-T devices via Mask, ET tube, and supraglottic airways using state of the art computerized simulators that measure pressures, volumes, and ventilatory rates. You will gain valuable insight, skills and improve your ventilation ability using this valuable feedback and coaching system. This lab features the tools and techniques to introduce to you the concept of high-performance ventilation (HPV-NIC)
	13:00 - 17:00	NRC Offering 1	Sarah Curry & Dusty Lynn	Though some studies suggest that 3%–8% of newborns receive respiratory support during the first few minutes of life, only 0.1%–0.3% will require advanced cardiopulmonary interventions at birth. The NRC is a four hour in-person class on newborn resuscitation taught by experienced health care providers who have had both newborn resuscitation and EMS experience and is totally focused on newborn resuscitations that may occur outside of the hospital setting.
	13:00 - 16:00	Mental Health Awareness	Sarah Thompson	This comprehensive 3-hour class is designed specifically for first responders to enhance awareness and understanding of mental health issues, with a focus on recognizing and addressing the signs and symptoms of mental health conditions and occupational stressors. Participants will gain insight into the unique mental health challenges faced by first responders, including the impact of high-stress environments and traumatic exposures.
	18:00 -22:00	Evening Social Event		
	Time	Class	Instructor	Description
	7:00	Registration Opens		
	08:00 - 09:00	Keynote Presentation: Back To Life: Reviving Your Perspective, Your Situation, and Your Future	Ron Culberson	The world of Emergency Medical Services has many lessons that can be applied to our life and work. From avoiding harm to taking care of ourselves to being more aware of our situations, crisis management requires focus and attention. In this funny and insightful program, Ron shares a few principles that he learned when pursuing his Emergency Medical Technician certification. He discovered that these principles represent broader concepts that can help us to adjust our perspective, improve our situation, and prepare for a better future. In doing so, we enhance our well being, sharpen our abilities, and adapt to whatever life may send our way.

EMS Summit Classes

09:30 - 10:30	What to Expect When You're No Longer Expecting	Dr. Rachel Rubin	It's a condition that half of the population has or will experience, yet medical clinicians at all levels learn so little about: menopause. In this session, one of the leading experts on menopause will teach you what you need to know--whether you're in menopause already, looking to find out what's in store for you later in life, or want to be supportive to your partner, family members, and even patients. You'll learn a ton and laugh even more, and leave with an understanding of the physiological changes and symptoms of menopause, which treatments are real and which are snake oil, and how to not just survive but thrive through perimenopause and beyond.
09:30 - 10:30	ABC's of Pre-Hospital Burn Assessment & Management	Christopher Borchers	A: Airway: Management and Smoke Inhalation B: Burns: Wound Management C: Circulation: Shock and Resuscitation D: Damage: Trauma injuries E: Exposure: Environment and Chemical
09:30 - 10:30	LVAD 101	Molly Karabinus	"What is that awful alarm?? And why is it coming from my patient!?" This presentation will prepare the EMS provider of ANY level to feel comfortable to quickly and thoroughly assess patients with Left Ventricular Assist Devices (LVADs) in the field, including troubleshooting common alarms and problems these patients may encounter with their device. Scenarios will be presented ranging from simple to complex to help elevate the attendees knowledge of these sometimes scary devices!
09:30 - 10:30	EMS Simulation Escape Room	Bob Page	Escape Rooms are fun team building exercises based on a theme and puzzle/problem solving that leads to an exit from the room. Bob Page has developed an EMS related scenario with high fidelity simulation and added a theme designed to challenge EMS providers critical thinking, situational awareness and patient assessment and management techniques. It is recommended that at least one ALS provider be on each team. In this class, a team or up to 6-10 enters the "room" with a scenario. The team must find clues, and solve all of the puzzles to get their equipment and the "key" to open the box that has the "CD" or "Commonwealth Drug"; a super serum that will save the patient's life and allow the successful escape from the room. Clues are a part of the scene survey, patient assessment findings. As time goes on the patient deteriorates and the team must manage the patient while solving the puzzles to get the "CD." Without the "CD" you are destined to perform CPR until your team solves all the puzzles or time expires
09:30 - 10:30	Emergency Substances of Abuse	Abigail Kerns	Describe classic and emerging substances of abuse, prehospital management
09:30 - 10:30	RSI in HD	Dr. Molly O'Neil	During this lecture participants will review airway anatomy and optimal techniques, discuss identification of anticipated difficult airway. Students will review real intubation attempts in HD and review pearls and pitfalls of intubation.
9:30 - 11:30	Neo-Natal Emergencies	Sarah Curry	
09:30 - 11:30	Komplacency Kills	Charles Ferring	Have you ever reached for a needed item and it was not there? We will discuss how provider complacency kills our patients/ team members. Through various interactive exercises, discussions, and brief readings from news clippings, we will investigate this phenomenon of provider complacency and its effects on outcomes. This course is designed to inspire introspection and possible paradigm shift as first responders.
10:00 - 12:00	From Bumps to Babies: Comprehensive Maternal and Postnatal Care in EMS	Elizabeth Travis	This maternal care course for EMS is designed to prepare paramedics for the increasing challenges of out-of-hospital births, especially in maternal care deserts. This course goes beyond standard training in obstetric emergencies, addressing often-overlooked considerations maternal mental health, peri-birth care, and normal presentations in birth that are often overlooked in traditional courses. Participants will gain the skills and confidence to provide comprehensive, compassionate care to expectant mothers and their newborns in the prehospital setting. As maternal care deserts grow, this training ensures EMS providers are ready to meet the evolving needs of their communities.
11:00 - 12:00	Never Forget: Learning from Line-of-Duty-Deaths in Order to Prevent the Next One	Michael Gerber	Through three case studies, we'll examine the findings of line-of-duty-death investigations and discuss ways to prevent severe injuries and deaths in EMS. Topics discussed include ambulance safety, potential violence on the scene, and situational awareness during response to major incidents. One of the case studies is the story of Josh Weissman, a colleague of the speaker in Alexandria, Va., who died in the line of duty in 2012. The presenter was part of the team that investigated Josh's death and wrote the LODD report.
11:00 - 12:00	Emerging Illicit Substance Use/Misuse Trends and the Appropriate EMS Management of the Inebriated Patient	Dr. Christopher Holstege	The number of substances used/misused in the United States has expanded significantly in the past decade. Substance use/misuse has gone global and has spread rapidly via Internet markets. EMS providers will encounter patients inebriated by a variety of these novel abused substances. This lecture is factual case-based, highlighting the variety of inebriated patients that may be encountered and the associated signs and symptoms. Potential complications will be discussed. Review of appropriate treatments will be noted, specifically emphasizing various options in pre-hospital pharmacotherapy.
11:00 - 12:00	h- push it: Vasopressors and you	Molly Karabinus	Your patient's blood pressure is 60 over nothing.. yikes! Your partner says you need to start a pressor- but which one? And why?? This lecture will cover the pharmacologic profile of pressors used both in the field, as well as in critical care transport and in what patients these these medications may be helpful... or hurtful.

Friday November 14

11:00 - 12:00	EMS Simulation Escape Room	Bob Page	Escape Rooms are fun team building exercises based on a theme and puzzle/problem solving that leads to an exit from the room. Bob Page has developed an EMS related scenario with high fidelity simulation and added a theme designed to challenge EMS providers critical thinking, situational awareness and patient assessment and management techniques. It is recommended that at least one ALS provider be on each team. In this class, a team or up to 6-10 enters the "room" with a scenario. The team must find clues, and solve all of the puzzles to get their equipment and the "key" to open the box that has the "CD" or "Commonwealth Drug"; a super serum that will save the patient's life and allow the successful escape from the room. Clues are a part of the scene survey, patient assessment findings. As time goes on the patient deteriorates and the team must manage the patient while solving the puzzles to get the "CD." Without the "CD" you are destined to perform CPR until your team solves all the puzzles or time expires
11:00 - 12:00	Recruitment & Retention Strategies that Actually Work	David English	Recruitment and retention of EMS providers are among the most pressing challenges facing agencies today. This session delves into innovative and practical strategies for attracting and keeping top talent in both career and volunteer settings. By exploring proven approaches like targeted recruitment campaigns, mentorship programs, and flexible retention policies, attendees will gain actionable tools to address staffing shortages and build a thriving EMS workforce. Drawing on real-world successes and participant experiences, this session provides a roadmap to strengthen your agency's team for the future.
11:00 - 12:00	What I Learned From 30 Years as a Trauma Surgeon	Dr. Jeff Young	Organizing trauma and EMS care. Clinical lessons learned
12:00 - 1:30	Lunch		
1:30 - 2:30	Is There and EMT on the Plane? Responding to Medical Emergencies on Commercial Flights	Michael Gerber	Many of us have been on a flight and heard the call: "Is there a medical professional on the plane?" What you might not know is what medical equipment is required on flights—and how this is changing thanks to new FAA regulations. In this class, we'll learn what tools you have available, the epidemiology of emergencies on commercial flights, and how treating a patient at 30,000 feet differs from treating one on the ground.
1:30 - 2:30	Next Level Difficult EKG Rhythm Analysis	Joseph Lang	This is a presentation designed for the paramedic provider who is interested in the "Zebra" EKG presentation. This program will go over complex EKG interpretation and using a case presentation format, discuss the pathophysiology of complex cardiac issues.
1:30 - 2:30	Leading Organizational Change	David English	Change is inevitable, but leading it effectively requires both strategic insight and emotional intelligence. This session explores practical frameworks for implementing change within EMS organizations, addressing common barriers like resistance, unclear direction, and resource limitations. Drawing from proven models, including the Rider-Elephant Path framework, attendees will learn to motivate teams, build sustainable habits, and rally their organizations toward shared goals. With real-world examples and interactive discussions, this course provides actionable tools to transform your agency and make lasting improvements.
1:30 - 2:30	My Mind is a Colliers Mansion	John Gannon	This presentation discusses my journey through the fire service and the struggles with mental health. From a specific incident that changed the path of my career to being close to graduating with my Masters in Clinical Mental Health Counseling I discuss resilience, what I had to do to overcome the obstacles in front of me, and the research I have come across.
1:30 - 2:30	EMS Simulation Escape Room	Bob Page	Escape Rooms are fun team building exercises based on a theme and puzzle/problem solving that leads to an exit from the room. Bob Page has developed an EMS related scenario with high fidelity simulation and added a theme designed to challenge EMS providers critical thinking, situational awareness and patient assessment and management techniques. It is recommended that at least one ALS provider be on each team. In this class, a team or up to 6-10 enters the "room" with a scenario. The team must find clues, and solve all of the puzzles to get their equipment and the "key" to open the box that has the "CD" or "Commonwealth Drug"; a super serum that will save the patient's life and allow the successful escape from the room. Clues are a part of the scene survey, patient assessment findings. As time goes on the patient deteriorates and the team must manage the patient while solving the puzzles to get the "CD." Without the "CD" you are destined to perform CPR until your team solves all the puzzles or time expires
1:30 - 2:30	Community Paramedicine: The Logistics of a Rural EMS CP Program	Betsy Smith	Community Paramedicine is up and coming in the growing world of EMS. It has the potential to tap into undiscovered needs, to improve the health of a community, to decrease stress on the 911 system, and to make a difference in so many lives. But how do you get started? Must you have everything "in place" before you begin? How will it run? How will you identify your "clients?" How will you track your program? The questions seem endless. Our primary Community Paramedic will share how we developed our rural program's infrastructure, and how we didn't allow an incomplete "check list" stop us from getting started.
2:00 - 4:00	High-Performance CPR: Pit Crew Ready	Elizabeth Travis	High Performance CPR and the importance of quiet during a cardiac arrest.
2:00 - 4:00	"All Choked Up" Recognizing and Managing Strangulation Injuries in the Pre-Hospital Setting	Tamara Moss	In this course, we will discuss how to recognize and treat strangulation injuries. We will also discuss and look at forensic evidence and how to navigate a crime scene

EMS Summit Classes

	3:00 - 4:00	Your Brain is Trying to Trick You: Cognitive Bias and Clinical Decision-Making	Michael Gerber	The most challenging parts of EMS aren't the tough intubations or the difficult rescues—it's making the right clinical decision despite all the ways your brain is trying to lead you astray. Cognitive biases happen when we make subconscious shortcuts like relying too heavily on one piece of information or only focusing on findings that confirm an initial assumption. And they happen more often to people who are sleep deprived, over-worked and taking in multiple pieces of information at the same time—sound familiar? In this session, we'll talk about the causes of cognitive bias, how to recognize them, and what steps we can take as clinicians to avoid making errors that could harm our patients.
	3:00 - 4:00	Snake Envenomations	Avery Michienzi	This lecture discusses venomous snakes in Virginia, snake identification, prehospital first aid for snake bites and what happens when the patient reaches the hospital.
	3:00 - 4:00	Taking No For An Answer	Kyle Papelino	Deep dive and the verbal judo of Pt refusals
	3:00 - 4:00	EMS Simulation Escape Room	Bob Page	Escape Rooms are fun team building exercises based on a theme and puzzle/problem solving that leads to an exit from the room. Bob Page has developed an EMS related scenario with high fidelity simulation and added a theme designed to challenge EMS providers critical thinking, situational awareness and patient assessment and management techniques. It is recommended that at least one ALS provider be on each team. In this class, a team or up to 6-10 enters the "room" with a scenario. The team must find clues, and solve all of the puzzles to get their equipment and the "key" to open the box that has the "CD" or "Commonwealth Drug"; a super serum that will save the patient's life and allow the successful escape from the room. Clues are a part of the scene survey, patient assessment findings. As time goes on the patient deteriorates and the team must manage the patient while solving the puzzles to get the "CD." Without the "CD" you are destined to perform CPR until your team solves all the puzzles or time expires
	3:00 - 4:00	Optimal Pre-Hospital Resuscitation - Whole Blood Transfusion in the Field	Dr. Molly O'Neil	During this lecture participants will gain insight into starting a whole blood program including benefits, logistics and review case studies where whole blood was utilized pre-hospital
	3:00 - 4:00	EMS Response to Active Threat Incidents	David English	In today's rapidly evolving threat landscape, EMS providers must be prepared to respond effectively to active threat incidents. This session offers a comprehensive overview of EMS roles and responsibilities in active threat situations, including integration with law enforcement, scene safety considerations, triage, and treatment in dynamic environments. By examining real-world case studies and after-action reviews (AARs), participants will learn key strategies for improving outcomes in high-stakes incidents. This course emphasizes a proactive approach, blending tactical medical response with the principles of Rescue Task Force operations. Attendees will leave equipped with actionable insights to enhance their agency's preparedness for these challenging scenarios.
	4:00 - 8:00	Vendor Hall Open		

Time	Class	Instructor	Description
7:00	Registration Opens		
08:00 - 09:00	First, Do No Harm	Lindsey Ewing	13 ways to not make patients worse (BLS airway management, RSI, trauma, advanced cardiology topics covered)
09:30 - 11:30	Loving a First Responder	Sarah Thompson	
09:30 - 10:30	So you want to be a Community Paramedic	Christopher Wheeler	This course is designed for aspiring community paramedics who seek to understand the foundational skills and knowledge required to excel in this rewarding but challenging role. Participants will explore the fundamental concepts of community paramedicine, the unique responsibilities associated with the position, and the real-world hurdles faced by this community paramedic during their first year on the job.
09:30 - 10:30	Navigating the Depths: How to Recognize and Manage Diving Emergencies	Brian Kesselring	Presentation dives into common emergent scenarios divers (both rescue and recreational) may encounter while SCUBA diving. Also covered is the initial EMS management for these emergencies.
09:30 - 10:30	Pick the path: Racing Hearts, Exercise and Sports Induced Emergencies Learning through case-based scenarios	Chris Kroboth	This "pick your fate" is focused on exercise and athlete emergencies. The when, the how, and what to do if you run one. Join us for an education session with a twist on "pick your fate." This is a progressive and dynamic learning model for patient treatment decision-making and outcomes. We will use case-based simulations to navigate patient care, but there is a catch. We will use the attendees' choice through live polling to decide how to treat each patient. After each treatment, we will review the group decision and outcome. Each session will include two cases that branch exponentially based on you! Are you ready to pick your path?
09:30 - 10:30	Pediatric Respiratory Illnesses	Samantha Loya	As we head into respiratory season, this will be an overview of the illnesses most pediatric patient's will see and prepare you for treatment initiation and/or transportation.
09:30 - 10:30	Hit the 'Lytes! Case Studies of Electrolyte Imbalances	Lucian Mirra	Electrolytes control nearly every function in the human body, and yet as EMS providers, we spend very little time learning about them. Through the lens of real-life case studies, this presentation will guide attendees through some of the more common electrolyte imbalances from presentation to treatment. Whether you have the ability to see quantitative lab values or not, this presentation will prepare you to recognize common electrolyte imbalances and provide effective care for these often critically ill patients.

Saturday November 15

09:30 - 10:30	HPV: Putting the P back in CPR	Bob Page	Research shows that often, EMS providers have trouble ventilating patients. In this eye-opening session, Bob reviews the latest data for ventilation in cardiac arrest, and then lays out the incredible findings of his ongoing High-Performance Ventilation workshops. Since 2022, Bob collected data from hundreds of classes, coast to coast, thousands of participants, BLS and ALS Providers. Students performed ventilations on high performance simulators, through the Manual Ventilation Academy while monitoring rate, volume, and pressures. Bob gathered baseline data and then used state-of-the art feedback devices to show ways to improve ventilations and help students develop muscle memory and to use real time feedback during ventilations. After the training, marked skill improvements were recorded in all measured parameters. Bob also did control manikin trials: a real person with a BVM versus mechanical ventilators. The results are very interesting! Come see some sweeping recommendations to put the "P" back in CPR and deliver better ventilation performance in all your patients. From this course Bob has launched the Manual Ventilation Academy dedicated to improving manual ventilation through high performance ventilation workshops.
09:30 - 11:30	First Responder Everyday Wellness	Barry Jacobs	Considerable research has been conducted about how repetitive exposure to trauma (RET) affects firefighters and contributes to heart problems, sleep disorders, depression, fatigue, declining job performance and family problems. This training is designed to teach firefighters to proactively counter the everyday hazards associated with RET, exposure to emergency service stress. This training provide practical take away strategies firefighters can use everyday to build themselves up, to maintain their energy and to sustain their performance.
10:00 - 12:00	EMS Rescue Task Force Best Practices	Mike Garnett	In an integrated threat response event, the Rescue Task Force (RTF) consists of a team of EMS and law enforcement personnel who work together in "warm-zone" integration to provide immediate point-of-injury care and extraction to the victims. This program will cover such topics as: -RTF awareness / Best practices for program start-up / Team training considerations / Understanding the NFPA 3000 guidelines (Standard for an Active Shooter/Hostile - Event Response (ASHER) Program) / Basic concepts of TECC training / EMS RTF tactical considerations / RTF Command structure
11:00 - 12:00	Spooky Less Common Cardiology Things	Lindsey Ewing	Things missed in basic education: electrolyte imbalances, OMI vs STEMI, dissection presentation, PE EKG changes, WPW, Kounis syndrome, etc
11:00 - 12:00	Septic Shock: Poke Bowls, Ceviche, Floppy Hearts and Nitro Drips	Chris Kroboth	Have you ever had the joy of squishing lemon over a fresh poke bowl or cooked ceviche to get that acidic cooking of your fresh fish? That acid cooks it just right to make it oh-so enjoyable. But what if that fish was your organs and that lemon juice was the unregulated hydrogen ion acidosis from your bicarbonate supply tanking? In this interactive case-based course, we will go over Sepsis and its stages, pathophysiology, and treatments (that seem to change by the minute). We will focus on what EMS's role is in Sepsis management and also tie in why in the heck is floppy hearts and nitro drips in the title of a sepsis talk.
11:00 - 12:00	Unified Command and Control of an Active Assailant Situation with RTF'S	Jeff McPherson	The presentation looks at several past situations and compiles recommendations that agencies should consider in these situations. Teaching TCCC & TECC for the past ten years, we have had the privilege of teaching the course with different agencies in Virginia and out of state. By updating our program with lessons learned from governor commission reports, we integrate those changes into our program while keeping the core material fresh and current. This presentation informs you of the change, the how and why they relate. We will also review a past situation, and lessons learned from that.
11:00 - 12:00	Medical Evaluation of Persons in Custody	Kyle Papelino	Legal requirements and a understanding of a mandated reporter for the EMS provider
12:00 - 1:30	Lunch		
1:30 - 2:30	Capnography- for the "other guys" Part 1 Perfusion	Chris Kroboth	We all know "shark fin" and keep it above 10 during CPR, but when is the last time you were taught or used capnography for evaluating metabolism and perfusion. Do you titrate your interventions using capnography? This interactive case-based workshop will take a deep dive into capnography's critical use in evaluating and trending the patient's perfusion status. We will go through case-based scenarios with treatments and medications and their effects on the patient and EtCO2.
1:30 - 2:30	The effective role of the Fire/EMS service instructor: A way to lead and influence	Jeff McPherson	The presentation looks at what is needed as an effective Fire/EMS instructor. We talk with the audience on several topics related to instruction that are covered in Instructor I & II courses as well as an Educational Coordinator course and things that are not. The Fire/EMS instructor is someone that everyone in the department engages on several different levels. We look at some of the topics to make the instructor better.
1:30 - 2:30	Portable Respiratory Monitoring for BLS	Bob Page	EMS providers primarily taught subjective assessment techniques for patients with respiratory problems. This includes basic observation of signs and symptoms that can often be confusing and misleading. Then providers are asked to interview patients for OPQRST-SAMPLE when they are having a hard enough time just breathing. Add to the fact that most protocols are written having therapy based on chief complaints and sometimes without sound clinical judgement. Studies have suggested this approach can be dangerous. Technological advancements have produced respiratory monitors that are much smaller in size and a fraction of the cost of our high-end monitor/defibrillator with Pulse Ox and Capnography. In this presentation, Bob introduces the audience to the concepts of the big three of respiratory monitoring: Pulse oximetry, capnography, and Co-Oximetry (CO monitoring), describing their use as objective patient assessment tools, and discusses through case reviews, the impact they can have on clinical decision making for all levels of providers

EMS Summit Classes

	1:30 - 2:30	ABC's of ACS	Christopher Wheeler	Participants will learn to identify the critical signs of ACS through case studies and real-world scenarios, enhancing their diagnostic skills. The course will also delve into evidence-based treatment protocols, including pharmacological interventions and advanced life support techniques.
	1:30 - 2:30	Tactical K9 Care: Emergency for the police K9	Kyle Papelino	Emergency management of police K9 in a medical emergency
	1:30 - 3:30	A Second is a hell of a long time.	Barry Jacobs	First responders, (paramedics, firefighters, company officers, law enforcement officers, dispatchers and incident commanders) must be able to manage the split second changes, and dynamic conditions of the each emergency incident. However, research has documented the physiological, neurological and psychological changes associated with repeated exposure to emergency service stress and long term exposure to trauma that, ultimately affects emergency incident response and first responder job performance. Research has documented the effectiveness of proactive, preventative, fitness and wellness training to support emergency incident performance, first responder career longevity, family relationships and services to local citizens.
	1:30 - 3:30	EMS Agency Field Training Officer Program - Best Practices	Mike Garnett	A program to share information and best practices on the following topics: Agency FTO/Preceptor program start-up, FTO Roles and responsibilities, FTO training, Working with different learning modalities, Aspects of Vicarious Liability, FTO Program evaluation, and FTO Program maintenance
	1:30 - 4:30	Suicide Prevention for First Responders	Sarah Thompson	This 3-hour training equips first responders with the essential knowledge and skills to recognize, respond to, and refer individuals at risk of suicide. Participants will learn to identify warning signs, understand risk factors, and apply effective communication and intervention strategies in high-stress situations. The course emphasizes the importance of mental health awareness, both for the community and for first responders themselves, and includes practical tools and resources to support prevention efforts on the front lines.
	3:00 - 4:00	Capnography- for the "other guys" Part 2 Metabolism	Chris Kroboth	We all know "shark fin" and keep it above 10 during CPR, but when is the last time you were taught or used capnography for evaluating metabolism and perfusion. Do you titrate your interventions using capnography? This interactive case-based workshop will take a deep dive into capnography's critical use in evaluating and trending the patient's perfusion status. We will go through case-based scenarios with treatments and medications and their effects on the patient and EtCO2.
	3:00 - 4:00	CO = HR x SV, The Important Formula for EMS	Jeff McPherson	As you look at Cardiac output, it can be a medical and/or a trauma patient. The cardiac output formula is the foundation for other formulas to be calculated. When cardiac output is not in its normal range, it may cause devastating results within the body. This is why CO=HR x SV is the important formula in EMS.
	3:00 - 4:00	Friday Night Lights	Rebecca Anhold	The score is tied in this key game when the star running back goes down on the field. The Coach runs out to check on him. "Coach, my neck hurts and my legs are tingly!" As the Athletic Trainer runs onto the field, the coach begins removing the player's helmet. The ATC arrives to the patient in time to stop the helmet removal and calls EMS to the field. What are your next steps?
	3:00 - 4:00	Community Paramedicine in Rural E	Betsy Smith	Are you considering starting a Community Paramedicine (CP) program in your area? Do you feel that you have a good understanding of what is needed from a CP program in your community? We did our research, we plotted statistics, we set goals and started our program. Little by little as the early months passed, we discovered we had been wrong. We learned we were not connecting with our community's true needs. We were wrong with how we thought we should be identifying our CP "clients". It didn't take long before we realized that if we were going to make a difference, we had to pivot. A lot. Our primary Community Paramedic will share this journey.
	3:00 - 5:00	Point/Counterpoint: A Debate on Cardiac Arrest Management, Medical Director vs. Paramedic	Lucian Mirra	Managing cardiac arrest is simple, right? Just follow the algorithm! While this may seem like a prudent approach, research indicates nuance in how we approach out-of-hospital cardiac arrest (OHCA). So, what works, and what doesn't work? Moderated by a renowned expert in resuscitation, join us for a lighthearted and informative debate between a training officer/paramedic and a medical director as we discuss modalities such as early administration of amiodarone, airway management, and post-arrest pressor choice. This session will have you leaving informed on the latest research and best practices, and hopefully entertained as we debate who can run a cardiac arrest better: paramedic or physician!
	10:00 - 14:00	Vendor Hall Open		
	19:00 - 23:00	Evening Social Event		
Sunday November 16	Time	Class	Instructor	Description
	7:00	Registration Opens		
	09:00 - 11:00	Carotid What?	Greg Leitz	Carotid Dissection and Stroke from a stroke survivor. This actually happened to me!
	09:00 - 11:00	Shock Delivered: Rethinking Public Access to Defibrillation to Make AEDs Accessible	Richard Shok	Public Access to Defibrillation (PAD) programs have saved lives for decades, yet most AEDs remain inaccessible outdoors. With over 356,000 out-of-hospital cardiac arrests annually in the U.S., improving AED accessibility is critical. Innovations like purpose-built outdoor enclosures, strategic AED placement using data analytics, and real-time AED registries enhance response times. Crowd-sourced responders and HEARTSafe Community initiatives further strengthen survival outcomes. This presentation explores how rethinking AED placement, leveraging technology, and policy changes can increase bystander use and improve survival rates, ensuring life-saving equipment is available when and where it's needed most.