

27th Annual Northern NH EMS Conference

GENERAL INFORMATION

Conference Committee:

David Hirsch, MD	Medical Director	Judith Deveau	Welcome Desk
Cori Elliott RN	Event Director	Marcel Deveau	AV Support
Ed Laverty PA-C	Event Director	Diane Bunnell	State EMS Liaison
Ginger Laverty EMT	Vendor Coordinator	William Demers	Committee Member
		Sam Frank	Committee Member

Please be sure to visit our vendors.

VENDOR HOURS:

Saturday 8:00 am through Sunday 2:00 pm

SPECIAL EVENTS:

Saturday 9:00 PM - 11:00 PM

Kahuna Laguna

Water Park family party and cash bar

Saturday

8:00am - 9:00am

Keynote Speaker

LOCATION:

Our conference will be held at the Red Jacket Mountain View Resort in North Conway, NH. Red Jacket Mountain View Resort's Kahuna Laguna Indoor Water Park has been voted one of the Top 10 Indoor Water Parks in the nation by readers of USA TODAY in their 10 Best Readers' Choice travel awards! Kahuna Laguna finished at # 7 in the competition that included indoor water parks across the country. Nearby the Hotel is Settler's Green, outlet shopping in New England with over 70 shops and restaurants. Hotel amenities, include complimentary wireless Internet that covers 100% of the property, including townhouses and Presidential Homes full-service restaurant and tavern, indoor water park and swimming pool. Plenty for your family members to enjoy while you are attending conference sessions.



HOTEL REGISTRATION:

Conference rates are \$ 99.00 plus tax for Thursday night and \$149.00 plus tax for Friday and Saturday nights for run of house, ask about Townhome rates. Call the hotel directly at 1-800-672-0500 to book your room. Be sure to reference the **NH EMS Conference Group code 606650** to get the group rate. The conference room block rate is guaranteed until **October 10, 2019**. Please indicate any special needs, roommate names (if sharing), and bed type preference at the time you call. Requests are not guaranteed and are based on hotel availability.

27th Annual Northern NH EMS Conference

IMPORTANT INFORMATION FOR THIS YEAR?

From the Committee:

If you are like us, you receive several conference emails and brochures that look attractive. How do you decide which conferences you will attend? The main points most of us consider include lecture topics, location, and price. The topics and faculty are important, and we also enjoy the opportunity to step out of our comfort zone and learn from clinicians who understand the challenges we are facing today. Location is definitely a second consideration, as we enjoy visiting locations that offer a variety of activities and allow time to enjoy family and friends. Lastly, the cost must be reasonable for what is being offered. We are proud to say that our conference meets all three of the aforementioned criteria.

Registration: Register early to get your first choice! Some classes are *limited*. Once a lecture has reached maximum capacity, it will be closed. The conference committee reserves the right to cancel or amend lectures as necessary. ***Deadline for registration by mail and on-line registration is October 20, 2019.*** You may also register the day of the conference. If you have any questions, call (603) 444-9205 or email the Conference Committee at ems.conference@lrhcares.org or celliott@lrhcares.org

Online Registration: We have a new online registration software. It has a bit of a learning curve to it. You must select Saturday and Sunday, Saturday only, or Sunday only to select classes for that particular day. Friday classes are selected individually because classes run all day. It is like buying tickets for an event but the "tickets" are your class selections.

Because we have online payment ability there are services and processing charges for online registration. You may opt to pay via personal check and not have charges accrued BUT your registration will not be finalized without the complete payment due.

<https://443676648.planningpod.com>

Windshirts: We often receive comments that folks would like to buy something different, so we've made that happen! In addition to the t-shirts we sell every year, we are offering these fabulous shirts! They will have the New Hampshire Emergency Services emblem on the left breast. Both the T-Shirts and Windshirts are black in color.

Pajama Night: PJ night has returned!!! Friday night we will have PJ night at the hotel lounge shirts and shoes(slippers) are required. You can bring your own or better yet buy a pair of special conference PJ pants with the conference logo. These can be preordered, or a limited supply can be bought at the conference. Proceeds with help offset the cost of the Waterpark family event. Come join us for this special evening.

Kahuna Laguna Water Park family event: Come join us with your family for this water full evening of fun. The waterpark will be open solely to attendees and their families from 9pm to 12pm!! There will be a cash bar available.

Brochure: Please feel free to copy the registration form as needed.

Refunds: A \$25 per-conference day charge will be incurred for cancellations received after October 12, 2019.

To pre-order your T-shirts, windshirts and PJs, order **no later than October 5, 2019.**

Friday October 25, 2019

#100 8:00 - 5:00 Adventure in Wilderness Medicine SOLO

This day-long, hands-on workshop is a sampler of wilderness medical improvisations and search and rescue packaging and carrying techniques. Taught by SOLO with its 40-year history of not only developing these techniques and teaching them but also, as a licensed, non-transport unit, participating in actual search and rescue missions. Oftentimes, if these situations arise during SOLO courses in NH, students accompany staff on the missions. Guaranteed to be both instructive and fun!

#101 8:00 - 5:00 EMS Special Operations Program Wallace/Frank/Demers

This interactive all-day program will teach EMTs, paramedics, nurses and physicians to treat victims of special EMS events. The events will include chemical suicides, suicide bombs, gunshots (SWAT) and hazmat incidents. The program will incorporate the use of human patient simulators and allow the participants to treat victims involved in these events. Topics to be presented are riots and mass hysteria, heroin, active shooter, suicide bombings, building collapse and chemical suicides.

#102 8:00 - 5:00 GEMS GERIATRIC EDUCATION FOR EMS ALSI ***COST \$160.00*******

The GEMS course is a one day, 8-hour core provider course for both BLS/ALS providers, covering geriatric specific information in the lectures with emphasis on the GEMS diamond: medical, social, environmental and communications challenges. Lectures include changes with age, assessment of older adults, pharmacology and meds toxicity, disasters and the needs of older patients, Mobile Integrated Healthcare-Community Paramedicine, and videos on Elder Abuse, Trauma, Medical devices, Skin and Wound Care and End of Life care issues. All of these provide a foundation for the scenarios and ultimately for assessing and treating patients. The course price includes a textbook, NAEMT GEMS certificate of completion, instruction and materials.

MUST HAVE 6 TO 12 STUDENTS OR CLASS WILL BE CANCELLED.

****MUST REGISTER FOR THIS COURSE NO LATER THAN OCTOBER 10, 2019****

“The State of NH Bureau of EMS Council, Region 5 wishes to invite all EMS providers from our area to participate in our Regional Annual Meeting. The Council wishes to discuss what has been accomplished this year and to reach out to potential new members. During this meeting you can expect a discussion around the goals that have been achieved, why membership is vital to the care EMS providers deliver in our region, and what the Regional Council can do for you. The North Country has always been proud of its ability to address challenges and to find creative ways of resolving issues that face our providers. Participation in this council will help us to continue to speak up for the issues that are specific to the providers in the North Country and the care they deliver to the people of our communities.

SOLO Wilderness Medicine and the Kane Schools Wild and Rescue Medicine has graciously agreed to provide dinner for all of those who attend during the meeting. So please come, bring your ideas and enjoy the company of like-minded professionals that wish to keep the North Country EMS community heard.”

AVH Surgical Associates Welcomes

Dr. Mahlon Bradley, Orthopaedic Surgeon and Sports Medicine Specialist



*Dr. Mahlon Bradley,
Orthopaedic Surgeon*

AVH Surgical Associates, the specialty physician practice of Androscoggin Valley Hospital is pleased to welcome Dr. Mahlon Bradley, team physician with the United States Figure Skating Team since 1989 to our Orthopaedic Surgery and Sports Medicine Clinic.

Dr. Bradley has more than 25 years as a board certified general orthopaedic surgeon with specialties in sports medicine and total joint replacements.

For an appointment with Dr. Bradley, Jessica Lorenz-Armstrong, PA-C, or Rick Lorenz, PA-C, please call 603.752.2300.

Dr. Bradley treats the following conditions:

- Rotator Cuff Tendinitis
- Arthritis of Hip, Knee and Shoulder
- Fractures
- Sports Injuries
- Overuse Injuries in Patients of All Ages
- Pediatric Injuries



59 Page Hill Rd. | Berlin, NH 03570 | 603.752.2200 | avnhh.org

Saturday October 26, 2019

#200 8:00-9:00

Keynote speaker

Staff Sergeant Justin M. Grant, US Army, Retired

400

DHART SIM LAB

The award winning DHART SIM Cup team is a group of enthusiastic and dynamic professionals dedicated to the educational opportunities of hi-fidelity simulation. The team competes at a national level and participating in training SIM's throughout the year. We firmly believe in the "train like you fight, fight like you train" philosophy, but mostly we want to be engaged in fun and interactive reality-based education. Like Willy Nelson, the DHART SIM cup team is taking the SIM Truck on the road again to bring interactive based simulation training to NH EMS providers. We will develop several simulated scenarios, applicable for all skill levels, and invite teams of two providers to participate in training with the DHART crew. This interactive training is intended to be exciting, fun and educational with a competitive edge, with debriefing after each team performance. The purpose is to enhance communication, CRM and clinical skills and to build confidence and teamwork.

The teams will be limited to 3 students preferably 1 EMT, AEMT, Paramedic on a first sign up basis.
09:10 - 10:10 Limited to 3 students 10:30 - 11:30 Limited to 3 students

1:35 - 2:35 Limited to 3 students
11:40 - 12:40 Limited to 3 students

2: 45 -3:45 Limited to 3 students
4:00 - 5:00 Limited to 3 students

#201 09:10-12:40 Swiftwater & Flood Awareness Darron Laughland
*****THREE HOUR COURSE*** ***THREE HOUR COURSE*****

Topics covered include: Hydrology, PPE, scene management, equipment and techniques, medical concerns, flood behavior and operations in the flood environment, and more. Participants will leave with improved situational awareness of the hazards of moving water poses, to inform their decision-making processes when responding to flood and Swiftwater incidents. This presentation and discussion meet NFPA Awareness Level Training in Swiftwater and Flood Rescue criteria and has been CREF'ed through the New Hampshire Fire Academy. Participants may complete a course application form to receive credit and certificate indicating completion.

#202 09:10-12:40 Effective Airway Management Dr. Richard Levitan
*****THREE HOUR COURSE*** ***THREE HOUR COURSE*****

The 3-hour course provides an in-depth look at effective airway management techniques that you will use in your next emergency airway. It teaches practical, effective skills and strategies for adult and pediatric intubation that promote patient safety and increase provider confidence. Topics covered include oxygenation and patient safety, orotracheal intubation, laryngoscopy, surgical airways (cricothyrotomy), video laryngoscopy, and pediatric intubation. There will be a hands-on device practice using intubation mannequins and surgical airway models custom designed by Dr. Levitan.

#203 9:10 - 11:30 Teleflex
****TWO HOUR COURSE** **TWO HOUR COURSE****

This is a didactic and hands on session will teach and review skills required of an EMS provider.

#204 9:10 - 10:10 Lessons Learned from Aerospace & Aviation Vahe Ender

Describes parallels and applicability of lessons from the aviation and aerospace industry to healthcare. Review of the 1986 Challenger explosion, 2016 Hanscom Crash, TransAsia Airways Flight 235, 2001 Columbia Re-Entry.

Saturday October 26, 2019

#205 9:10 - 10:10 The Illusion of Competency: How simplicity fails us. Fred Jeffries

We are short cutting organizational growth by transferring responsibility to the individual in a variety of ways. How an organization sees clinical and performance failure has a profound effect on the opportunities it must improve them. From the cost of individual blame, to the infantilization of staff and its terrible unintended consequences, we need a new way to see failure and improve performance. In this talk we will explore the unconscious ways we see and experience failure, the consequence of those views, and a new paradigm for moving forward.

#206 9:10 - 10:10 Up in Smoke Jason Zitter

“Vaping, Juuling” are common terms we’re hearing. We’re also seeing ads from manufacturers of these products as a “safer” means of smoking. But... what are kids doing with them and what are the current trends. “Hot boxing,” “smoke shows” and other problems are on the rise. Nicotine overdoses and using vape pens to smoke CBD oil or concentrated THC derivatives. This lecture will cover signs and symptoms of abuse. Help identify nicotine or marijuana toxicity. It will also give tools to provide public education to your local schools and help educate parents and school staff.

10:10 - 10:30 Break/Vendors VISIT WITH OUR VENDORS!!!

#207 10:30 - 11:30 Trauma Systems Today – 50 Years in the Making Sue Prentiss

This presentation will review take participants back to the “White Paper” that served as the foundation for our nation’s EMS and Trauma Systems and track key development along the continuum of trauma care. Central to our nations and NH’s trauma system is the role of EMS. Prentiss will take a closer look at the foundational relationship with EMS as well as the growth of injury and violence prevention, data collection and survivor support as part of trauma systems.

#208 10:30-11:30 **Wilt Chamberlin makes a choice: Stoics, Zen, and the art of resuscitation.** **Fred Jeffries**

We are all trained in algorithms and protocol, but little time is spent talking about what makes someone truly great at resuscitation and in clutch moments. In this talk, we will explore the other side of resuscitation: what’s happening inside heads of the team members during moments of high stakes decision-making. Through exploration of the impact of perception, action, and will within the team members, we can provide insight into what makes someone truly great in crisis, and how it effects their resiliency over time in a profession with rampant burnout and moral injury.

#209 11:40 - 12:40 **Lessons Learned in Combat** **Justin Grant**

A class heavy in high kinetic trauma medicine and the physiology of it. This class highly endorses blood products pre-hospital and will detail how the military is able to administer blood on the battlefield. This also details junctional bleeds and tourniquet use.

#210 11:40-12:40 **The Aftermath of a Crash: Interpretation of Injury Patterns in Vehicular Crashes** **Thomas Andrew, MD**

This presentation shall explain the Haddon Matrix approach to crash analysis and review patterns of injury associated with steering wheel / column, seatbelts, airbags and dashboard, “out-of-position” injuries and motorcycle operator injuries.

#211 11:40 - 12:40 **Obesity: The Bariatric Challenge** **William Hathaway**

Our patients are getting larger and so are their problems. The bariatric patient not only presents us with how to move them, but they also have their own unique issues that you may need to diagnosis and treat.

12:40 - 1:30

Lunch

Saturday October 26, 2019

#212 1:35 - 2:35 **Abuse, Neglect or Just an Accident** **Thomas Andrew, MD**

A survey of injuries seen in the pediatric setting is presented with an emphasis on patterns, distribution and mechanisms of injury, providing a basis for assessment of the question of accidental versus inflicted etiology. Cutaneous injuries, fractures, craniocerebral and abdominal injuries as well as burns are discussed.

#213 1:35 - 2:35 **Medicare / Medicaid Reimbursement Cost Reporting** **Jeffrey Spencer**

Being prepared for mandatory cost reporting for EMS. Covering the basics of Medicare and Medicaid reimbursement in New Hampshire and Vermont.

#214 1:35 - 3:45 **Teleflex** ****TWO HOUR COURSE**** ****TWO HOUR COURSE****

This is a didactic and hands on session will teach and review skills required of an EMS provider.

#215 1:35 - 2:35 **Beyond the Throw Bags: Tips, Tricks & Ninja Moves for Shore Based Swiftwater Rescue** **Darron Laughland**

This hands-on workshop is designed to increase the knowledge and skills of participants, regardless of

previous experience with throw bags and other tools of Swiftwater rescue. Instruction and practice evolutions will take place outdoors and will include a review of warm and hot zone PPE, scene management, rope throw bag techniques, rope systems, knots and of course, mind blowing ninja moves for new and seasoned rescuers alike.

#216 1:35 - 2:35 Cyanide Poisoning: The “Insidious Killer” William Mead
Part 1 - Cyanide poisoning, Part 2 - Firefighter rehabilitation.

This class addresses the pathophysiology of cyanide poisoning, and carbon monoxide poisoning. The class explains the function of the carboxyhemoglobin molecule. The use of carbon monoxide monitors, pulse oximetry, and capnometry are explained as diagnostic tools. Treatment modalities are addressed in Part 2.

#217 2:45 - 4:15 Intervention with Colleagues, Friends & Significant Others Jeffrey Stewart

There are lots of classes available now and information on awareness for a colleague in crisis but what about the how to help that colleague and mitigate the risk. This program will discuss what to do when your colleague, friend, or significant other is in crisis. Specifically, we will look at how to approach, intervene, and refer out an intimate relationship for treatment. We will do a brief review of recognizing a crisis be it Compassion Fatigue, PTSD, Suicidal, or Substance Misuse and then focus on how to get that person assistance for that crisis.
*****This is a 1.5-hour session*****

#218 2:45-3:45 Shock is Bad, Okay Jason Ziter

This lecture will help students recognize signs and symptoms of shock. We will discuss and review the basic pathophysiology of shock. Grasp the understanding of the importance of preventing our patients from becoming worse through poor management. What are the tools we can use to prevent shock and look at the importance of getting the correct management and treatment for patients in SHOCK.

#219 2:45 - 3:45 Gray Matter Matters William Mead

This class begins with a brief review of the A&P of the central nervous system. Much of the class material is derived from the Traumatic Brain Injury Foundation’s eight our TBI curriculum. Adult and pediatric scenarios will be used to develop the assessment of CNS pathophysiology with integrated use of the Glasgow Coma Score and other modalities. We will also focus on concussions and secondary brain injuries. Field treatment is addressed including, permissive fluid resuscitation and the effective use of oxygenation as monitored by capnography in severe TBI patients. We will also discuss the appropriate head injury treatment and transport based upon the severity of the injury We will conclude with a review of the New Hampshire Spinal Motion Restriction Protocol with a eulogy of our “go to” for many years, the long backboard and its half siblings, the KED and other iterations thereof.

Saturday October 26, 2019

#220 2:45 - 3:45 Trauma Assessment: Let’s get frisky Ed Laverty
but don’t get too excited, I am just here to help you...

Understand the factors that affect patient assessment and decision-making capabilities. Describe the association between mechanism of injury and anticipated injury patterns. Describe the steps of patient assessment based on ATLS guidelines. Understand the care and interventions appropriate for head, thoracic, abdominal injuries, extremity trauma and amputation. Review potential complications associated with injury.

#221 4:00 - 5:00 The Perfect Resuscitation Fluid Dr. David Hirsch

For generations, experts have debated over which IV fluid is ideal in resuscitation. Many fluids have come in and out of favor, but there is one that has always been hands down the best: Blood. A variety of factors have limited its use in the EMS environment; including storage, cost, and recipient compatibility. However, based largely on evidence from military experience in emergency medicine and trauma surgery, there is a new wave of excitement for the deployment of blood in the field. This presentation will provide an overview of

different blood products, their utility, and how fresh whole blood has emerged as the gold standard in trauma resuscitation.

#222 4:00 - 5:00

Balance Billing

Jeffrey Spencer

An issue that, if ignored by the EMS community may result in the loss of significant revenues for EMS.

#223 4:00 - 5:00

State of NH Patient Care Protocols: Protocols

Justin Romanello

This presentation will focus on the upcoming Hemorrhage Control protocol within the State of New Hampshire Patient Care Protocols Version 8.0. This session will begin with an overview of the protocol, from the EMT to paramedic level, and will transition into a skills session to cover hemorrhage control techniques that are authorized by the Divisions of Fire Standards and Training & Emergency Medical Services. During the hands-on portion of this interactive presentation, students will be able to utilize high fidelity bleeding control mannequins to practice their skills and to test the most current equipment on the market.

#224 4:00 - 5:00

Dealing with Death

Jonathan Snow

This presentation will introduce the learner to the medical examiner system in NH. Specific sub-topics include mass fatalities, pre-planning, crime scene awareness, evidence preservation and unique case studies.

save a life

You can act as **immediate responder** and save lives if you learn what to do. CMC is dedicated to the National Stop the Bleed Campaign, which encourages people to become trained, equipped and empowered to help in a bleeding emergency.

CMC
CATHOLIC MEDICAL CENTER
Trauma & Emergency Services

STOP THE BLEED
bleedingcontrol.org

THE COMMITTEE ON TRAUMA

VERIFIED TRAUMA CENTER

Sunday October 27, 2019

#300 8:00 - 9:00

State of the State

Justin Romanello

During the State of the State address, providers and attendees will get an overview of the New Hampshire Emergency Medical Services system in its current form as well as where it is going in the future. This will be an interactive session to include questions and answers as well as be an opportunity to discuss emerging issues with the Chief of the Bureau of EMS.

500

DHART SIM LAB

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participating in training SIM's throughout the year. We firmly believe in the "train like you fight, fight like you train" philosophy, but mostly we want to be engaged in fun and interactive reality-based education. Like Willy Nelson, the DHART SIM cup team is taking the SIM Truck on the road again to bring interactive based simulation training to NH EMS providers. We will develop several simulated scenarios, applicable for all skill levels, and invite teams of two providers to participate in training with the DHART crew. This interactive training is intended to be exciting, fun and educational with a competitive edge, with debriefing after each team performance. The purpose is to enhance communication, CRM and clinical skills and to build confidence and teamwork.

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#301 9:10-10:10 Chyme - Why are some of us really good at letting go and others not so much Jeffrey Stewart

This program will discuss resilience, defining it, developing our own personal resilience, and instilling resilience into our students, colleagues, and organizations. Of course, we will do this in the tradition of BOCPP! Pre-requisites: Humor required / Tissues - Optional / Loperamide - to be determined!!!

#302 9:10-10:10 Take a Right at the Oreo Cows Paul Wentworth

This lecture discussed the unique challenges faced by a provider in a rural EMS system. this presentation discusses the difficulties associated with skill retention, long transport times and interfacing with mutual aid agencies.

303 9:10-10:10 Ketamine: Pre-hospital utilization Justin Grant

Prehospital use of ketamine including patient history, pharmacology, safety profile and dose ranges. This presentation is aimed at ALS level providers, but lower levels are encouraged to attend in an effort to give providers that lack experience with the medication an introduction to the use of ketamine in the pre-hospital setting.

304 9:10-10:10 Can You Hear Me Now? William Hathaway

Do you really know what you are listening to and for when you use your stethoscope to listen to heart & lung sounds? This interactive presentation will familiarize you with heart and lung sounds which will allow you to better diagnose your patient. Bring your favorite Littman stethoscope to know what you are hearing.

305 9:10-10:10 Put THAT in Your Pipe and Smoke It: Laurie Warnock

What's new in devices, juices, trends in both tobacco and marijuana products and what specific health hazards they present.

10:10 - 10:30 Break/Vendors VISIT WITH OUR VENDORS!!!

Sunday October 27, 2019

#306 10:30 - 12:40 The Frank and Murray Show Dr. Hubble/Dr. Hamlet

The Frank and Murray Show is a fast-paced, fun-filled session with two extremely knowledgeable and engaging docs with years of experience. Using case studies as jumping off points, both presenters encourage their participants to engage in discussions about the case studies which present new and perhaps controversial topics or review older emergency medical issues. Getting off topic often results in heading in a new direction. Neither Frank nor Murray shy away from "jumping into the deep waters" of medical issues.

****This is a TWO hour session****

#307 10:30 - 11:30 Infant Death Investigation Kim Fallon

EMS usually the first responder. This lecture will help you learn what is a risky environment for infants and understand what you are looking for when at an infant death scene.

#308 10:30 - 11:30 Stop the Bleed – Building Community Connections Suzanne Prentiss
Stop the Bleed programs are a team sport! Utilizing case studies as the foundation for this presentation, Prentiss will discuss with participants the key players needed on the team, the elements identified that have contributed to successful initiatives as well as challenges faced when developing and implementing Stop the Bleed programs. Prentiss will also review the evolution of Stop the Bleed programs in our nation at the state and local levels and considerations for building sustainable programs.

#309 10:30 - 11:30 “Alphabet Soup:” Beyond the ABC’s Paul Wentworth
This interactive presentation delves into the traditional SAMPLE and OPQRST line of questioning and discusses its adaptation to complex patients with multiple issues. We will also look at how we can utilize this approach to all patients.

#310 10:30 - 11:30 Baby Talk William Hathaway
Communicating effectively with your pediatric patients (and other kids). Topics include developmental stages, what parents like, nonverbal communications, and tools, toys and tricks!

#312 11:40 - 12:40 Because That is How We Do It Mary Lockwood
Remember when everyone got oxygen and was popped on a backboard? Evidence-based medicine has changed our practice. This presentation will discuss the evolution of how evidence came to medicine and prehospital care and what it means for changing the way we practice. Understanding the process aids in adapting to new protocols.

#313 11:40 - 12:40 Ethics: Actions and Emotions Craig Clough
This program will look at how ethics is an important part of everyday EMS activity and will share the story of an EMS provider who by being "unethical", lost his job, his home and nearly his career; only to find himself, and rebuild his reputation and desire to help others learn from his mistakes

#314 11:40 - 12:40 Hello, It’s Me Jeanne Erikson
Using case studies, we’ll examine a variety of clinical presentations that could confound you.

#315 11:40 - 12:40 Drug Crisis from the Medical Examiner Perspective Kim Fallon
Different perspective to what EHS hears about drugs, helping them understand how toxicology testing is done, about deaths that are drug related but not from overdoses, what to look for at drug scenes, and what may be drug paraphernalia at what looks like at natural scene.

12:40 - 1:30 Lunch

Sunday October 27, 2019

#316 1:30 - 2:30 Special Providers for Special Patient Mary Lockwood
Understanding the medical, social and psychological needs for patients with special needs. From high tech kids to individuals with autism and other communication or developmental considerations. These patients require some TLC and special care. Balancing their needs and the demands of emergency care is a challenge for providers. This presentation will provide tools to help providers manage these situations.

#317 1:30 - 2:30 Good Touch...Bad Touch Sam Frank

This course is designed for responders to teach them about illicit drugs and how to handle them. We will discuss what type of PPE you should have on when responding to these types of calls.

#318 1:30 - 2:30 **ACLS & PALS Made Easy** **Jonathan Snow**
This presentation will simplify what EMS providers find difficult when learning ACLS and PALS and actually make it fun.

#319 1:30 - 2:30 **Orthopedic Emergencies** **Jeanne Erickson**
Utilizing radiologic imaging, the participants will look at various orthopedic injuries and how they influence the assessment, critical thinking and treatment of these patients.

#320 1:30 - 2:30 **PTSD / Provider Health** **Craig Clough**
The Hidden Danger in All of Us. A broad discussion on PTSD and how to recognize it, how to treat it and how to talk about it. Hear about how a near tragic event of a paramedic with PTSD helped this provider recognize his own PTSD

Faculty

Faculty presenting at the conference will be comprised of speakers from around the region and country with extensive experience in their fields. Although we strive to adhere to the schedule, speaker times and topics may be subject to change.

Thomas Andrew, MD - Dr. Andrew MD currently conducts consultations in forensic medicine and pathology as White Mountain /Forensic Consulting Services (www.whitemountainforensic.com). He is a graduate of the University of Dayton (1978) and the University of Cincinnati College of Medicine (1982). Dr. Andrew completed a residency in pediatrics at Cincinnati Children's Medical Center in 1985 and served as co-chief resident of pediatrics in 1985-1986. He then joined a six-person private practice until 1988 when he returned to the University of Cincinnati for a residency in anatomic pathology. This was followed by a fellowship in forensic pathology with the Office of Chief Medical Examiner in New York City under the tutelage of Dr. Charles S. Hirsch. Dr. Andrews served in Manhattan and Brooklyn before being named Acting Deputy Chief Medical Examiner of Richmond County (Staten Island) where he served until September of 1997. when he was named New Hampshire's Chief Medical Examiner. He has performed over 5800 autopsies for purposes of investigating sudden, unexpected or violent death. Dr. Andrews retired as Chief Medical Examiner, September 30, 2017. He is a member of the National Association of Medical Examiners, the American Academy of Forensic Sciences, the American Academy of Pediatrics and the College of American Pathologists.

Craig W. Clough, NRP - Craig is a Paramedic from NH. He has worked in EMS for over 27 years, working in Private Municipal and Hospital based EMS systems. He is currently the EMS Manager for Concord Hospital, a Paramedic for Exeter Hospital ALS and a firefighter/paramedic for the Loudon FD. Craig is the co-chair of the pre-hospital subcommittee and is also President of the State EMS Coordinators of NH. He is an avid Boston Bruins and New England Patriots fan. Craig lives in Loudon with his wife Holly, his two teenage children and his one-year old Golden Retriever.

Cori Elliott, RN, BSN - Cori is a registered nurse in the Emergency Department at Littleton Regional Healthcare. She enjoys working in critical care and in emergency medicine, as well as working in conjunction with her local EMS providers and colleagues. She is a certified AHA instructor through Woodsville Emergency Services and Littleton Regional Healthcare specializing in BLS, ACLS, TNCC and PALS.

Vahe Ender, NRP, FP-C, C-NPT - Vahe is a Critical Care Transport Specialist and educator at Boston MedFlight, a non-profit critical care transport and trauma response team providing service to Massachusetts and the New England area. Previously he was a Paramedic and Clinical Care Coordinator for a progressive Boston-area EMS system where he was involved in quality assurance, education and research. He is currently involved in education with an interest in airway management and human factors. He is a speaker and author on pre-hospital and critical care medicine.

Jeanne Erickson, BSN, CEN, AEMT – Jeanne has been an RN since 1978 and an EMS provider since 1987. She is currently the EMS Coordinator at Speare Memorial Hospital and serves as the secretary of the State EMS Coordinators Group for Region 4. Want to get Jeanne's attention? Just ask her about her beloved Red Sox!

Kim Fallon – Kim is the Chief Forensic Investigator at the NH Office of Chief Medical Examiner in the Department of Justice. She has been an Assistant Deputy Medical Examiner at OCME for over 20 years and she is a registered diplomat with the American Board of Medical Legal Death Investigators. Prior to coming to OCME, she worked in the Disease Surveillance Section at the NH Department of Health and Human Services for 4 years. She has a bachelor's degree in Biology from Southern Connecticut State University. After college, she trained as a paramedic at Beekman Downtown Hospital Emergency Care Institute and worked in EMS in New York City for 8 years. After moving to New Hampshire, she worked in the emergency department at a small rural hospital. She was also a procurement technician (per diem) for New England Organ Bank for several years.

Sam Frank, Police Officer, FF, EMT – Sam is a full-time certified Police Officer with over 23 years of service and is currently the Chief of Police for the Town of Canaan, New Hampshire. He has over 13 years as an EMT/FF with the Town of Canaan. Sam is also a certified driving instructor for Police Standards and Training and has attended and taught numerous driving classes. He is also an 8-year veteran of the United States Coast Guard.

Justin Grant, SSG Ret. - Justin is a retired Sergeant. He is a Wilderness NREMT-P, ATP (Advanced Tactical Practitioner), formerly of the US Army's 75 Ranger Regiment where he was a SOCM (Special Operations Combat Medic). He deployed 8 times, once to Iraq and 7 times to Afghanistan. A majority of his career was spent partnered with the CIA's ground branch Special Activities Division, as an OMEGA. He served a range of positions from a platoon, recon, company, and battalion senior medic. He also was an assaulter and assault breacher in direct action raids against Al Qaeda, the Taliban, and ISIS. His last position deployed forward was as the strategic medical planner for Special Operations Forces in Afghanistan. His awards include the Bronze Star, Purple Heart, Joint Service Commendation Medal, Ranger Tab, Expert Field Medical Badge, Combat Medical Badge, and Parachutist Wings. He was medically retired due to injuries sustained after 10 years of service. My education focus is in Emergency Medicine, Chemical/Biological/Radiological/Nuclear (CBRN) Defense, and Austere and Tropical Medicine (Mayo Clinic at Phoenix, AZ). He attended clinical and surgical residencies at Tampa General Hospital and Grady Hospital. He now currently works as a Wilderness Paramedic at NorthStar Ambulance, a department of Maine Health, in Farmington Maine.

Murray Hamlet, MD – Dr. Hamlet graduated from Washington State University Veterinary School in 1969. He has a long history of lecturing to both military and civilian personnel on a variety of topics. He has authored 15 chapters in medical texts and published 49 scientific papers. Recognized as a world authority in cold weather injuries, military deployments in the cold, and field medical care and evacuation in the cold, he developed the standards of care for trench-foot, nonfreezing cold injuries, frostbite, and hypothermia and defined the role of cold in the survival of cold water near-drownings. Upon retirement from research in 2000, he became the designer and fabricator of load-bearing equipment for the US Army. Dr. Hamlet has received the Excellence in Science and Research Award and the Founders Award from the Wilderness Medicine Society. He is also the recipient of the Murray Stewart Gardner Award for Surgical Excellence and two US Army Commendation medals.

William Hathaway – William (Bill) Hathaway, BS, CC/NREMT-P - Bill is the Director of Operations for Southern Berkshire Ambulance in Great Barrington, MA. He holds a Bachelor of Science in EMS Management, an Associate in Education and is certified as a National Registered Paramedic and Vermont EMS Instructor Coordinator. Since his retirement from the USAF, he has been involved in providing and managing EMS services.

David J. Hirsch, MD, MPH, FACEP, FAEMS - Dr. Hirsch is board certified in Emergency Medicine and a member of the first-ever class of physicians board certified in Emergency Medical Services. He works clinically in a critical access Emergency Department in the White Mountains of New Hampshire. Dr. Hirsch is a certified law enforcement officer and serves as a Tactical Physician and Deputy Sheriff for a regional SWAT team in central NH. Dr. Hirsch also serves as an intermittent federal medical officer for a special operations medical team within the United States Department of Health and Human Services. Dr. Hirsch started his EMS career working as an EMT and Firefighter. He earned his medical degree at the University of Massachusetts Medical School, followed by residency in Emergency Medicine at the University of Pittsburgh. During residency he worked as an EMS Physician for Pittsburgh EMS and a Flight Physician for STAT MedEvac. Dr. Hirsch completed his fellowship training at Boston EMS, during which time he worked as an Attending Physician at Boston Medical Center and completed an M.P.H. at Boston University.

Frank Hubbel DO – Frank is the founder of SOLO (celebrating its 42nd year of offering training) and known as a pioneer in the world of wilderness medicine. He splits his time between a busy medical practice and teaching various wilderness/emergency medical courses at SOLO. Frank is a founding member of NH Region V Council and their medical representative to the NH Medical Control Board. His years of pre-hospital training, working on a local rescue squad, ski patrol, and search and rescue team combined with his training as both a PA and physician give him a unique perspective on the evolving world of emergency medicine. Frank has authored several texts on wilderness medicine, is a regular contributor to the Wilderness Medicine Newsletter, is the medical advisor to several groups.

Fred Jeffries, FP-C, CNPT, MTSP-C - Fred is in his 17th year in EMS and has taught critical care transport medicine for over 10 years. He has presented nationally on topics ranging from critical care medicine to human factors and safety. He has recently authored a new chapter titled: “Teamwork and Human Performance” for the ASTNA Patient Transport Textbook. For the past 3 years he has been interested in medical simulation-based curriculums that emphasize a mastery approach and the implementation of stress conditioning. Fred is also the Direct of Safety for ECHO (East Coast Helicopter Operations).

Darren Laughland - Darren is a Swiftwater Rescue Instructor for the New Hampshire Fire Academy, co-owner of The Sawyer River Group, a company specializing in scenario based Swiftwater rescue and wilderness first aid courses, a founding member of the volunteer White Mountain Swiftwater Rescue Team and a white water raft guide, kayaker, canoeist, and whitewater paddling instructor. A career educator, he brings over three decades of experience running rivers recreationally, and a passion for sharing his skills and knowledge with outdoor enthusiasts, professional rescuers, and members of the community. In June, Darren accepted the Higgins and Langley Incident Award on behalf of the White Mountain Swiftwater Rescue Team and Mountain Rescue Service, for a high-water technical rescue on Cascade Brook in Franconia in December 2018.

Ed Laverty, PA-C, AEMT, I/C – Ed is the Chief Medical Officer, Associate Director of Emergency Medicine, and EMS Coordinator at Upper Connecticut Valley Hospital where he has worked as a full time Emergency Department provider for the past 21 years. With over 30 years of experience in the field of Emergency Medicine, Ed has served on a variety of Emergency Medical Service Committees and as Vice President on the NH Society for Physician Assistants. Ed instructs BLS, ACLS, PALS, emergency medicine courses as well as precepts PA students from Massachusetts College of Pharmacy & Health Science and Franklin Pierce University.

Mary Katherine Lockwood, PhD, AEMT, I/C – Mary Katherine has been an EMT since 1989 and is an AEMT with McGregor EMS. She is an Instructor/Coordinator and teaches EMS at McGregor Institute of EMS in Durham. Katherine is a Clinical Associate Professor at the University of New Hampshire in the Department of Molecular, Cellular, and Biomedical Sciences where she teaches anatomy and physiology, pathophysiology, pharmacology, and clinical nutrition. She coordinates the pre-medical program at the University of New Hampshire.

William Mead, Sr., BS, NR-P, C.I.C.P., FP-C, NH EMS I/C - Bill's career in EMS began as a lifeguard/water safety instructor over 50 years ago. He has been involved in all aspects of Public Safety, as an EMT/Paramedic, Fire Chief and Police Officer. He retired as the Ski Patrol Director at Cannon Mt. Ski Area in 2014. He currently practices as a paramedic, working in Urgent Care. Bill served the

insurance industry for over 30 years as an investigator and litigation manager. He is a licensed FAA commercial pilot. He brings to every session a professional overview that is seen through first-hand experience with an understanding of safety services from all points of view.

Suzanne Prentiss, BA, MPA, Paramedic, was named Executive Director of the American Trauma Society in May 2018 based at the Association and Society Management International (ASMI), in Falls Church, Virginia. Prentiss's efforts focus on reducing deaths related to trauma, improving trauma system development and empowering survivors of trauma. Prior to coming to ATS Prentiss served as the Advocate for the Recognition of Emergency Medical Services Personnel Licensure Interstate Compact (REPLICA). In her role as Advocate Prentiss worked to develop stakeholder groups, provide on the ground education for healthcare and public safety leaders regarding REPLICA as well as serve as a resource for state legislators who were working to pass the nation's first Compact for EMT and Paramedic personnel licensure. Prentiss has held leadership positions in public safety and healthcare at the national, state, regional and local levels. In 1992, she was the Project Director for Dartmouth Medical Schools' federally funded rural health outreach initiative focusing on EMS. Since then, she has served as the administrator of the Woodsville Rescue Ambulance, the N.H. State Trauma System Coordinator, the first female Chief of EMS at the state's Department of Safety and the EMS Manager at Concord Hospital. Prentiss is a graduate of Saint Michael's College, University of Phoenix, and the Harvard Kennedy School of Government's Senior Officials in State and Local Government. In addition, Prentiss participated in the Leadership NH Class of 2014 and is a NH Hoffman-Haas Fellow. Prentiss has served on the Lebanon City Council for 11 years, being elected to represent her ward six times consecutively and served as Mayor for two terms.

Justin Romanello - Mr. Romanello has been involved with saving lives for nearly twenty years and has done such all over the world to include providing care to ill climbers from the clutches of Mt. Everest as well as those in harm's way in the Middle East. He began his career working civilian emergency medical services in both rural and urban environments. Upon leaving the civilian world, he has worked in various capacities as a contracted employee for the Department of State and the Diplomatic Security Service to include domestic duties as well as positions in Afghanistan and Iraq. Mr. Romanello has served as a Senior Specialist and Training Officer in the private sector providing medical evacuation, security extraction and crisis management worldwide. Working for an internationally known provider he has successfully been involved with thousands of missions and has multiple deployments to Africa, Asia, Europe, Central America and domestically within the continental United States. More recently, Mr. Romanello has become the Bureau Chief of Emergency Medical Services for the State of New Hampshire and is dedicated to assisting EMS professionals with providing a safe and secure environment for the residents and visitors of the State. He is an avid hiker, traveler and motorcycle enthusiast and lives in Southern New Hampshire. He is a certified instructor in multiple disciplines and is recognized by FLETA as a Federal Law Enforcement Instructor. Throughout his career Mr. Romanello has taken courses through and been trained by the American Heart Association, National Association of EMT's, International Trauma Life Support, BSR Inc., Gryphon Group Security, National Outdoor Leadership School, Air and Surface Nurse Association, National Tactical Officers Association, National Fire Protection Association, Federal Emergency Management Agency, Department of State as well as other private and federal training programs. In addition, he has participated in programs from Urban Shield and Johns Hopkins Hospital.

Jonathan Snow - Jonathan is the Assistant Deputy Medical Examiner for the State of New Hampshire, Department of Justice, Office of the Chief Medical Examiner. In addition to this role his EMS career spans more than two decades in private, hospital and fire-based EMS systems providing direct patient care and EMS education throughout New England. Mr. Snow has formal degrees from Saint Anselm College, University of Granada - Spain and New England College. His additional medical studies are through the Saint Louis University, School of Medicine, University of Maryland, Baltimore County and the Cleveland Clinic.

Jeffrey Spencer - Jeffrey Spencer has been an expert in insurance law, health care, and reimbursement for over two decades, and *knows* New Hampshire and its EMS providers. He was an honors graduation of Syracuse University College of Law in 1988, a New Hampshire Assistance Attorney General, and later the Chief of New Hampshire Fire Standards and Training. He has counseled and advised EMS

organizations of all kinds across the nation for many years and is the founder and owner of Medical Business Services, a focused ambulance billing service located in Vermont.

Jeff Stewart, NRP – Jeffrey Stewart has been in EMS since 1986. His career thus far has included practitioner, educator, and leader in military, private, and hospital-based systems. He is a Nationally Registered Paramedic with State licenses in MA & NH as both a Paramedic and Instructor- Coordinator. Jeff holds degrees in paramedicine and business management. He is a certified ARISE® Interventionist. He is the founder of Dragon Shield Consulting, LLC which provides intervention, treatment referral, education and consulting services on the topics of addiction, health & safety, and EMS.

Michael P. Wallace, EFO, CFO, MIFireE, MBA, MA, NRAEMT – Mike has been in the fire and EMS service for over 30 years and is currently retired as Deputy Fire Chief for the town of Salem, NH. Mike is a recognized leader and national trainer and speaker on topics of leadership, organizational management, hazmat, and terrorism. He currently teaches at the National Fire Academy in MD. He is an EMT-I and holds a master's degree in Organizational Management and Leadership-Business Administration, as well as other notable designations.

Laurie Warnock - Laurie is the NH Education Coordinator at the Northern New England Poison Center (NNEPC). Her role at NNEPC is to create and present educational programs on poison prevention for a variety of audiences, and to develop partnerships with community-based agencies and organizations to promote use of the NNEPC to prevent poisonings, reduce healthcare costs and improve outcomes. Laurie has been an EMT for over 20 years and previously served as clinical education at the NH Emergency Medical Services for Children Program at Dartmouth Medical School. She holds a Master of Public Health degree from the University of New Hampshire.

Paul Wentworth, EMT-P – Paul is the Emergency Medical Coordinator at Johnson Memorial Hospital in Stafford Springs, CT. Paul is a member of the State EMS Advisory Mass Casualty, EMS for Children, and Medical Advisory Committees. He is an active instructor in BCLS, ACLS, PALS, PEPP, PHTLS and Medical Services. Paul is an active volunteer firefighter and is the Assistant Emergency Management Director for the town of Union, CT.

Jason Ziter, AEMT, EMS I/C - Jason has been involved in EMS for 25+ years. He is the School Resource Officer for the Winooski Police Department / Winooski School District. He is also a member of the Essex Fire Dept. as an FF/AEMT and holds the rank of Battalion Chief / Chaplain. He has been an EMS instructor since 2005 and involved in Fire & EMS since 1990. Jason has been instructing EMT and Advanced EMT classes since 2006. Jason is a business partner with Northeast Emergency Training Solutions, LLC out of Essex, Vermont.

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