

Vital Signs 2023



**Vital Signs
EMS Conference**

**October 18-22, 2023
The Oncenter, Syracuse, New York**

A Program of the New York State Department of Health

Conference Program

WEDNESDAY, OCTOBER 18

8 a.m.–5 p.m. **NAESME Instructor Course 1**
(Crowne Plaza)

4 p.m.–6 p.m. **Registration Opens**

THURSDAY, OCTOBER 19

7 a.m. **Registration Opens**

8 a.m.–5 p.m. **NAESME Instructor Course 1**
(Crowne Plaza)

8 a.m.–5 p.m. **TWO-DAY PRECONFERENCES**

- ALS Core Content Refresher
- BLS Core Content Refresher
- The NAEMSP Quality Improvement Workshop (Crowne Plaza)

8 a.m.–5 p.m. **ONE-DAY PRECONFERENCE**

- Community Paramedicine

HALF-DAY PRECONFERENCES

9 a.m.–12 n ■ NYS CIC and Administration Development

1 p.m.–5 p.m. ■ Simulation Best Practices

FRIDAY, OCTOBER 20

7 a.m. **Registration Opens**

8 a.m.–5 p.m. **NAESME Instructor Course 1**
(Crowne Plaza)

8 a.m.–5 p.m. **TWO-DAY PRECONFERENCES**

- ALS Core Refresher
- BLS Core Refresher
- The NAEMSP Quality Improvement Workshop (Crowne Plaza)

8 a.m.–5 p.m. **ONE-DAY PRECONFERENCE**

- Business Economics for EMS Managers

1 p.m.–2 p.m. **FRIDAY SESSION Bonus CME Session**

GENERAL ■ Provider Effect on Behavioral Health Emergencies

2:30 p.m.–3:30 p.m. **FRIDAY SESSION Bonus CME Session**

GENERAL ■ Twacks, Whacks, Cracks, and Smacks

4 p.m.–5 p.m. **FRIDAY SESSION Bonus CME Session**

GENERAL ■ Heads Up! Traumatic Brain Injury

SATURDAY, OCTOBER 21

7 a.m. **Registration Opens**

8 a.m.–9 a.m. **SESSION 1**

1A BLS Capnography for BLS Clinicians

1B ALS Airway Management: The Anatomy, Physiology and Procedures

1C EDUCATOR Simulation Certification for EMS Educators

1D PEDIATRIC Pediatric Respiratory Emergencies

1E GENERAL Something Wicked This Way Comes: The Horror of Common Pitfalls in EMS

9:30 a.m. **Presentation of State EMS Council Awards**

New York State EMS Memorial Service

Opening Keynote Address: EMS in the Northeast

2 p.m.–3 p.m. **SESSION 2**

2A BLS Chemical Explosions/Chemical Injuries

2B ALS Hematologic Emergencies: Beyond Anemia and Sickle Cell Crises

2C LEADERSHIP 5 Steps to Building and Maintaining a Strong Team

2D CRITICAL CARE Oxygen: Why It May Not Be the Panacea You Think

2E GENERAL Unique Patient Signs

3:15 p.m.–4:15 p.m. **SESSION 3**

3A BLS Unmasking the Impossible: Stroke Mimics

3B ALS Thoracic Trauma: The Emergent Truth

3C EDUCATOR Case-based Teaching: A Roadmap to Success

3D PEDIATRIC Meconium Happens

3E GENERAL Addiction Is a Complex Disease: Getting Help Should Be Easy

4:30 p.m.–5:30 p.m. **SESSION 4**

4A BLS Cannabis Hyperemesis Syndrome

4B ALS Beyond Fast: Improving Your Assessment Skills and Prehospital Identification

4C LEADERSHIP Leading the Invisible

4D CRITICAL CARE Understanding the Pathophysiology of Pulmonary Edema

4E GENERAL EMS Modernization: What's Funded for 2023-24

Conference Program *(continued)*

SUNDAY, OCTOBER 22

7 a.m. Registration Opens

8 a.m.–9 a.m. SESSION 5

5A BLS EMS Response to Specialized Facilities, Nursing Homes and Group Homes

5B ALS Tranexamic Acid: Battlefield to the Street

5C EDUCATOR Brilliant Students

5D CRITICAL CARE Critical Care Pharmacotherapy for the Crashing Patient from Soup to Nuts

5E GENERAL Diversion of Transport: Alternatives to Traditional EMS Models

9:30 a.m. Presentation of EMS Agency Innovation Awards

**Closing Keynote Address:
The Science of Stress Management and Longevity**

1 p.m.–2 p.m. SESSION 6

6A BLS Therapeutic Communication for EMS

6B ALS Broken Heart Syndrome

6C LEADERSHIP Learning from Failure: Leadership Lessons from Abraham Lincoln

6D PEDIATRIC Small Victims, Big Problems: Disaster Preparedness Triage

6E GENERAL NYS EMS and Trauma Systems Update

SUNDAY, OCTOBER 22 *(continued)*

2:15 p.m.–3:15 p.m. SESSION 7

7A BLS Sepsis is Seriously Sick: Rapid Recognition Saves Lives

7B ALS Edibles to Inhalants: A Toxicology Review and Current Updates

7C EDUCATOR Brilliant Documentation

7D CRITICAL CARE To Depolarize or Not Depolarize: The Battle of RSI Paralytics

7E GENERAL EMS Education Update

3:30 p.m.–4:30 p.m. SESSION 8

8A BLS The Night I Almost Jumped

8B ALS Four Not to Be Missed: 12 Lead ECG Patterns

8C LEADERSHIP What We Have Here Is a Failure to Communicate: Top Communication Tips from Great Leaders

8D PEDIATRIC Safe Transports of Newly Born Patients

8E GENERAL Part 18: Public Function Permits

Three-Day Preconference Workshops

WEDNESDAY, OCTOBER 18, THURSDAY, OCTOBER 19 and FRIDAY, OCTOBER 20

8 a.m.–5 p.m.

NAEMSE Instructor Course 1

Jarred Kallmann
Assistant Director
NAEMSE

Connie Mattera
EMS Administrative Director and System Coordinator
Northwest Community Healthcare
NAEMSE National Faculty

Laurie Sheldon

Alexa Zewe

The NAEMSE EMS Instructor Course has been designed and developed as a result of the DOT/NHTSA National Guidelines for Educating EMS Instructors and the National Education Standards for EMS. NYS has adopted the NAEMSE Instructor course as the initial certification for CIC Credentialing. **This preconference will be held at the Crowne Plaza, 701 East Genesee Street, Syracuse, NY 13210.**

Pricing

Three-day NAEMSE Instructor Course 1 Only \$425

Three-day NAEMSE Instructor Course 1 \$575

*(If also attending the main Saturday
and Sunday conference sessions)*

Two-Day Preconference Workshops

THURSDAY, OCTOBER 19 and FRIDAY, OCTOBER 20

8 a.m.–5 p.m.

BLS Core Content Refresher

Dan Batsie, MPA, NRP
EMS Chief, Vermont Department of Health

Dan Limmer, A.S., L.P.
Co-Founder, Limmer Education

Will Krost, M.D., M.B.A., NRP
Emergency Physician, Mercy Health

Nick Carson, B.S., NRP, FP-C
Critical Care Flight Paramedic
University of Vermont Health Network

This two-day workshop will offer a modern spin on the traditional EMT refresher program. Rather than click through tired textbook slides, these sessions will focus on student engagement and embrace the most important and relevant topics of modern pre-hospital medicine and operations. Students will discuss up-to-date clinical developments; review evidence-based best practices; and engage the critical thinking skills necessary to excel as a practitioner in the modern world of dynamic EMS. These sessions will shift from the mindset of a simple refresher and push toward the essential concepts of continuing education. EMTs and CFRs will earn 16 hours of BLS core content that may be applied towards NYS CME-Based Recertification. Attending this course for two consecutive years will satisfy all your core content requirements for recertification. These 16 hours may also be applied towards the Mandatory Core Content required by the NREMT by meeting the objectives of the EMS National Education Standards.

Topic	Hours 2023
Preparatory	1
Airway	1
Patient Assessment	2
Pharmacology/Med Admin/Emergency Meds	1
Immunology/Toxicology	1
Endocrine/Neurology	1
Abdominal/Geni-Renal/GI/Hematology	2
Respiratory	
Psychiatric	
Cardiology	
Shock and Resuscitation	1
Trauma	2
Geriatrics	2
OB/Neonate/Pediatrics	
Special Needs Patients	1
EMS Operations	
Additional Elective	1
TOTALS	16

8 a.m.–5 p.m.

ALS Core Content Refresher

Dan Batsie, MPA, NRP
EMS Chief, Vermont Department of Health

Dan Limmer, A.S., L.P.
Co-Founder, Limmer Education

Will Krost, M.D., MBA, NRP
Emergency Physician, Mercy Health

Nick Carsen, BS, NRP, FP-C
Critical Care Flight Paramedic
University of Vermont Health Network

This two-day workshop will offer a fast paced and creative approach to advanced provider continuing education. Through a combination of lecture, interactive discussion, and student-centered active learning, participants will earn 16 hours of ALS core content that may be applied toward their NYS CME-Based Recertification. This series of sessions will explore cutting edge clinical topics, describe evidence-based best practices, and hone the critical thinking skills necessary to achieve excellence as a modern practitioner. Attending this workshop for two consecutive years will satisfy all of your core content requirements for recertification. These 16 hours may also be applied towards the Mandatory Core Content required by the NREMT by meeting the objectives of the EMS National Education Standards. 2 year plus 6 hours non-core.

Topic	AEMT Hours 2023	CC Hours 2023	Paramedic Hours 2023
Preparatory	1	1	1
Airway Management and Ventilation	1.5	1.5	1.5
Pharmacology/Med Admin/ Emergency Meds	1.5	1.5	1.5
Immunology	1	1	1
Toxicology	1	1	1
Endocrine	1	1	1
Neurology	x	x	x
Abdominal/Geni-Renal/ GI/Hematology	1	1	1
Respiratory	1	1.5	1.5
Psychiatric	x	x	x
Cardiology	x	x	x
Shock and Resuscitation	1.5	1.5	1.5
Trauma	1.5	1.5	1.5
Geriatrics	1	1	1
OB/Neonate/Pediatrics	1.5	x	1.5
Special Needs Patients	1	1.5	1
EMS Operations	0.5	1	x
TOTALS	16	16	16

Two-Day Preconference Workshops

THURSDAY, OCTOBER 19 and FRIDAY, OCTOBER 20

8 a.m.–5 p.m.

The NAEMSP Quality Improvement Workshop

Maia Dorsett, M.D., Ph.D., FAEMS

Nicola Little, BHSC-Paramedic, ACP, FAEMS

Michael Redlener, M.D., FAEMS

Remle Crowe, Ph.D., NREMT, FAEMS

Michael Taigman, Improvement Guide for First Watch

The NAEMSP® Quality Improvement Workshop is design for EMS quality leaders and medical directors who want to improve the clinical quality of their service and need tools to be more effective. The course will apply the lessons of healthcare improvement to the challenges of EMS and out-of-hospital care. Drawing from national faculty, this course teaches the tenets of improvement science and how to practically apply these lessons to EMS agencies, larger EMS systems or a state-wide effort. Course participants will need to bring their laptops or other device as they will learn data analysis techniques as part of the course. **This preconference will be held at the Crowne Plaza, 701 East Genesee Street, Syracuse, NY 13210.**



Save the Date
Location
To Be Announced
at This Year's
Vital Signs Conference



Vital Signs
EMS Conference

A Program of the New York State Department of Health

One-Day Preconference Workshop

THURSDAY, OCTOBER 19

8 a.m. – 5 p.m.

Community Paramedicine

*Reuben Farnsworth BS, CP-C, CCP-C, LP, NRP
President, Rockstar Education and Consulting*

Are you active in a Community Paramedic Program? Are you considering starting one? What exactly is Community Paramedicine? Join us for a day of discussion as we talk about Community Needs Assessments, Social Determinants of Health and the big broad world of Community Paramedicine, also known as Mobile Integrated Healthcare. We will discuss clinical medicine, interfacing with partner agencies and understanding the underlying challenges within a community that affect the manner in which people access healthcare.

Half-Day Preconference Workshops

THURSDAY, OCTOBER 19

NYS CIC AND ADMINISTRATION DEVELOPMENT

9 a.m. – 12 n

EMS Education: Making or Breaking our Future

Douglas Sandbrook

As educators, we're laying the groundwork for our future, developing future EMTs, paramedics, nurses, doctors, along with our future leaders. As educators we need to build curriculum to challenge and nurture our students to provide sound learning opportunities, enhancing their knowledge and improving their skillsets not simply checking the boxes to pass an exam. Moving forward do we see ourselves as educators or trainers? EMS educators will shape our future, will you be ready?

Neuroscience of Stress

Meghan Williams

Everything we do involves social interactions – some positive, some negative. The presentation discusses the importance of the physiology and neurobiology behind social interactions. While there is a biologic reason behind how we react, many people are not aware of how to maximize the positive outcomes. We'll explore the neurotransmitters involved, the effects on the body, and typical reactions. Using the knowledge of the brain and body, we'll explore how to maximize these interactions to their fullest potential in the classroom, in our patient care, with our partners – and beyond!

Education Top Ten Issues for Course

Drew Chesney

We will take a dive down a list of the top ten questions/concerns for sponsors and educators that we run into. We will provide our perspective on how you can approach these circumstances and better improve upon your delivery of EMS education.

1 p.m. – 5 p.m.

Simulation Best Practices

Jared Kutzin, DNP, M.S., M.P.H., R.N.

Associate Professor, Emergency Medicine and Medical Education, Mount Sinai Hospital

Jennifer McCarthy, MAS, NRP, CHSE-A

President, 579 Solutions

The session will highlight simulation best practices from across multiple disciplines. The Society for Simulation in Healthcare Code of Ethics will be reviewed as will the International Nursing Association for Clinical Simulation and Learning Standards. In addition to the best practices put out by these two agencies, facilitation and debriefing best practices will be reviewed and practiced. This session will also include a demonstration and active participation in Extended Reality (XR). The XR environment is an emerging technology that requires educators to be updated to the best practices associated with using it in their classrooms for training, education, and assessment.

One-Day Preconference Workshop

FRIDAY, OCTOBER 20

8 a.m. – 5 p.m.

Business Economics for EMS Managers

Reuben Farnsworth, B.S., CP-C, CCP-C, LP, NRP
President, Rockstar Education and Consulting

Everyone knows that EMS Management has to work with budgets, but are you thinking of your organization like a business? Join us for a day of discussion and education around generating revenue streams, contracting with payers, and finding innovative ways to fund EMS programs. We will talk about grant funding, technical writing and how to identify the

ways that we can generate and/or increase revenue generation. We will talk about how to identify your value proposition and how to convey that value to potential payers. We will talk about understanding the needs of clients, KPIs (key performance indicators) and the importance of understanding what your clientele are focused on to drive your delivery model. We spend too much time telling people what we do and what we will do, when what we should be doing is understanding what the client wants and modifying our service to meet that need if possible. If you are not thinking about the business of EMS, we will help you change your perspective.

Conference Workshops

FRIDAY, OCTOBER 20

FRIDAY SESSIONS

1 p.m. – 2 p.m.

GENERAL

Provider Effect on Behavioral Health Emergencies

Chad Burkhardt, NRP, Paramedic, CIC

Acute behavioral episodes can be difficult to navigate and the way the prehospital provider approaches the emergency sets the tone. In this conversation, we will explore some mood and behavioral disorders that can lead to delirium and psychosis, how to keep everyone safe, techniques of verbal de-escalation, and why avoiding restraints is best practice for the provider and the patient. (NYS CME: All Levels – Core – Behavioral)

2:30 p.m. – 3:30 p.m.

GENERAL

Twacks, Whacks, Cracks, and Smacks

Chris Ebright, B.Ed., NRP

Sports-related concussions are serious, widely prevalent, and often under-reported traumatic brain injuries. This presentation discusses the pathophysiology and sequelae of concussion as well as proper identification, evaluation, and patient management. Severe, moderate, and even mild concussions have a high potential for significant long-term deleterious effects on an athlete. Extensive anatomical and physiological damage may be present from just one traumatic blow to the head. Advocating for an athlete to sit out the rest of an event by knowing the signs and symptoms specific to concussion may be the difference between a decent versus a terrible outcome. (NYS CME: All Levels – Core – Neurology)

4 p.m. – 5 p.m.

GENERAL

Heads Up: Traumatic Brain Injury

Stephen Rahm, NRP, FcEHS
Chief, Clinical Director
Centre for Emergency Health Services

Traumatic brain injury (TBI) is a major cause of death and disability following trauma. Actions taken by the EMS provider – regardless of level of training – have a direct impact on patient outcomes. This presentation is geared towards all levels of EMS provider. It begins with a discussion of cerebral perfusion, the normal physiologic processes the body employs to maintain it, and how the body responds to increased intracranial pressure – knowledge that is crucial to understanding why some prehospital interventions are performed and why others are (and should be) avoided. The potentially disastrous effects of secondary brain injury, and how to minimize or avoid it, are discussed in detail. Specific injuries discussed include subdural and epidural hemorrhage (focal injuries), axonal injury (diffuse injury), and intracerebral hemorrhage; this includes clinical presentations, critical assessment parameters, and key emergency care procedures and interventions. We will also review the latest scientific literature regarding the use of TXA for the TBI patient, as well as the effects of hard cervical collars on intracranial pressure. (NYS CME: All Levels – Core – Neurology/Trauma)

Conference Workshops

SATURDAY, OCTOBER 21

SESSION 1

8 a.m.–9 a.m.

1A BLS

Capnography for BLS Clinicians

*Maia Dorsett, MD, PhD, FAEMS, FACEP
Assistant Professor for Emergency Medicine
University of Rochester Medical Center*

End-tidal CO₂ is a vital sign as it measures both perfusion and ventilation. Patients are benefited when all on-scene clinicians are able to monitor, interpret and identify changes in patient condition – making capnography an important skill for EMS clinicians of all levels, including BLS. This talk will review the elements of the capnography waveform, waveform and EtCO₂ interpretation and apply this knowledge to a series of clinical cases. *(NYS CME: All Levels – Core – Airway)*

1B ALS

Airway Management: The Anatomy, Physiology and Procedures

*Stephen Rahm, NRP, FcEHS
Chief, Clinical Director
Centre for Emergency Health Services*

Do you measure your success at airway management on whether you “get the tube,” or do you measure it by how well you keep the patient oxygenated and ventilated? The techniques to achieve effective oxygenation and ventilation vary, and your patient does not care which strategy that you use. This presentation begins with a review of key airway anatomy utilizing high-resolution cadaveric images. You will see exactly where your simple airway adjuncts and supraglottic airways – when properly placed – sit in the airway, perhaps giving you a better understanding of how they work and how effective they can be. Sure, we’ll discuss good intubation technique, but not before resetting the concepts of foundational airway management in our minds. We will then review the physiology of ventilation to appreciate that breathing does more than just move air into and out of our lungs. You will then understand and appreciate why it’s healthier for patients to let them breathe on their own when at all possible. Have you ever been ventilating a patient and totally trashed their blood pressure? After this discussion, you’ll understand why this happened, as well as how it could have been prevented. *(NYS CME: All Levels – Core – Airway)*

1C EDUCATOR

Simulation Certification for EMS Educators

*Jared Kutzin, DNP, M.S., M.P.H., R.N.
Associate Professor, Emergency Medicine
and Medical Education, Mount Sinai Hospital*

Simulation is used throughout EMS, but often the educators using it are following in the footsteps of educators that have come before them and don’t have any formal training in simulation. But, are EMS educators aware of the certification process for simulation educators and operators? There is a science behind the use of simulation and the Society for Simulation in Healthcare offers two certifications, the Certified Healthcare Simulation Educator (CHSE) and the Certified Healthcare Simulation Operations Specialist (CHSOS). This session will introduce EMS educators to the science of simulation-based education, discuss the opportunity to get involved with the larger healthcare simulation community, and identify the importance of becoming certified as a simulation user by an external agency. *(NYS CME: All Levels – Non-Core)*

1D PEDIATRIC

Pediatric Respiratory Emergencies

*Melissa Padulsky, Owner
Little Hearts Big World, LLC*

Children are prone to respiratory emergencies and because they are so dependent on the respiratory system, it is important to recognize the signs and symptoms of respiratory distress, the common causes, and how to appropriately manage the pediatric airway. *(NYS CME: All Levels – Core – Ob/Neo/Peds/Airway)*

1E GENERAL

Something Wicked This Way Comes: The Horror of Common Pitfalls in EMS

*Rory Putnam, AA, NR-P, I/C
President-CEO/Owner, Atlantic Life Safety Services*

It’s a well-known fact there are several common issues that get us in trouble in EMS. Many of these can be a problem both in terms of quality patient care and potential legal concerns. The good news is they are all preventable. This class will tackle the most common pitfalls in EMS. Patient refusals, patient drops and falls, ambulance crashes, misplaced et tubes, sexual harassment, poor documentation, drug diversion and disciplinary actions and strategies for staying out of trouble. *(NYS CME: All Levels – Core – Preparatory)*

Conference Workshops

SATURDAY, OCTOBER 21

OPENING SESSION

9:30 a.m.

Presentation of State EMS Council Awards

New York State EMS Memorial Service

Opening Keynote Address: EMS in the Northeast

Candace Gardner

*Director, Office of Emergency Medical Services
New Jersey Department of Health*

Sam Hurley

Director, Maine Emergency Medical Services

Justin Romanello

Bureau Chief, New Hampshire DOS

Ryan Greenberg, MBA, FACPE, NRP

Director, NYS Department of Health

Bureau of Emergency Medical Services and Trauma Systems

Steven Dziura, Moderator

Deputy Director, NYS Department of Health

Bureau of Emergency Medical Services and Trauma Systems

EMS is changing at a rapid pace across country and especially in the Northeast. As EMS faces its challenges of how to handle the current EMS staffing crisis, EMS system sustainability, new and changing EMS delivery models and the expansion of what EMS providers can do each state is trying new and innovative ways to combat the challenges we are all facing. This session will look at how EMS is delivered in the Northeast, specifically NY, NJ, NH and ME. Through a panel discussion it will talk about what different states are doing to sculpt the future of EMS and how we can all learn from one another on new ideas and innovations to create the EMS system of the future!

SESSION 2

2 p.m.–3 p.m.

2A BLS

Chemical Explosions/Chemical Injuries

Joan Dolinak, MD

Upstate University Hospital

Chemically fed fires can create additional injury risks to victims and first responders. Storage vessels of large quantities of chemicals and gasses for industry may also be compromised due to the active fireground. This presentation will discuss historic chemical fires, changes made because of them, and approaches to the initial care of the chemically injured burn patient. 1. Historic fires, and examples victims of industry and chemical injuries seen 2. Legislation/approaches changed because of these fires 3. What to do when you find yourself and your team in this complicated situation from a burn perspective. (NYS CME: All Levels – Core – Trauma)

2B ALS

Hematologic Emergencies: Beyond Anemia and Sickle Cell Crises

Chad Burkhart NRP, Paramedic, CIC

How has COVID contributed to hematological emergencies? How does HIV infection affect hematopoiesis? We will review the anatomy and physiology of formed blood cells, and explore some of the more rare hematologic emergencies, including issues affecting red and white blood cells, platelet and other clotting disorders, and how autoimmune and viral infection can interrupt homeostatic processes involving the blood. (NYS CME: All Levels – Core – Hematology)

2C LEADERSHIP

5 Steps to Building and Maintaining a Strong Team

Lillian Bonsignore, Paramedic, CIC

Many organizations inherit teams as new leaders come and go throughout time. Leaders do not always put a lot of thought into building a team for successful outcomes. Team dynamics are crucial to executive and organizational morale and productivity. This session will explore the five critical steps necessary for building and maintaining a strong team so an organization can successfully achieve their goals. (NYS CME: All Levels – Non-Core)

2D CRITICAL CARE

Oxygen: Why It May Not Be the Panacea You Think

*Reuben Farnsworth BS, CP-C, CCP-C, LP, NRP
President, Rockstar Education and Consulting*

For years, the theory on oxygen has been, “If a little is good, more is better.” New research is showing us that this may not be accurate. We will examine some of the latest science on oxygen administration and talk about the pathophysiology of oxygen toxicity and the ensuing effects on the body. We will discuss changes in the oxy-hemoglobin dissociation curve, how oxygen is utilized in the mitochondria and talk about the specifics that play into various types of to better facilitate critical thinking in regard to treating patients with hypoxia. Hint: O₂ admin is not always the answer. (NYS CME: All Levels – Core – Airway)

2E GENERAL

Unique Patient Signs

Chris Ebright, B.Ed., NRP

Even experienced clinicians can be stumped when a patient presents with multiple signs and symptoms. Diagnosis and treatment are often delayed as a result, especially when these signs and symptoms don't jive with the patient's chief complaint. Interestingly, there is a subset of medical terminology known as an eponym – which is any word related to medicine, whose name is derived from a person, usually a physician. Observing these unique “signs” and understanding what they represent can help an EMS professional efficiently differentially diagnose, guide patient management, and make appropriate transport decisions. (NYS CME: All Levels – Non-Core)

Conference Workshops

SATURDAY, OCTOBER 21

SESSION 3

3:15 p.m.–4:15 p.m.

3A BLS

Unmasking the Impossible: Stroke Mimics

Rory Putnam, AA, NR-P, I/C

President-CEO/Owner, Atlantic Life Safety Services

Strokes are increasingly easier to recognize in the field as assessment techniques and diagnostic devices improve. However, there are several mimics that can fool us into thinking we are dealing with stroke when it may be something else. We'll explore hypoglycemic issues, Todd's Paralysis, Bell's Palsy and more. This class will take a detailed look into each and how they affect proper assessment of our patients, as well as discuss techniques for assisting the provider with accurate diagnosis. (NYS CME: All Levels – Core – Neurology)

3B ALS

Thoracic Trauma: The Emergent Truth

Stephen Rahm, NRP, FcEHS

Chief, Clinical Director

Centre for Emergency Health Services

Thoracic injuries are a common cause of untimely death; however, many of these deaths are preventable with prompt recognition and immediate treatment. Your understanding of the anatomy, as well as the lifesaving evidence that supports current interventions, is imperative. This presentation begins with a review of the "anatomic truth," using cadaveric images that distinguish mythology from reality. Complimented by videos of actual injuries and high-resolution cadaveric images, the discussion continues with common (and not so common) clinical presentations, complications, and current evidence-based management options. (NYS CME: All Levels – Core – Trauma)

3C EDUCATOR

Cased-based Teaching: A Roadmap to Success

Jeff Myers, M.D., D.O., ED.M., EMT-P, PHP, FAEMSEMS

EMS Physician and Educator

Case-based Teaching is a methodology used for decades in teaching business schools and law schools designed to improve learners' critical thinking skills. These same strategies can facilitate learners' transition from book smart to street smart. Case-based Teaching can also inject life into boring CE sessions. In this interactive session, we will review the elements of a Case-based Teaching session and discuss implementation strategies that will lead to success for your learners. (NYS CME: All Levels – Non-Core)

3D PEDIATRIC

Meconium Happens

Chris Ebright, B.Ed., NRP

OB patients, in many EMS providers' minds, usually elicits a response of "Oh, boy!" As scary as it might seem, many pre-hospital deliveries just involve catching, drying, and stimulating the newborn – then cutting the umbilical cord. However, occasionally, a pregnant patient has indications of an impending complicated delivery. Whether it be prior, during, or after a birth, conditions such as placenta previa, abruptio placenta, cord presentation, shoulder dystocia, CPD and breech birth, among many others, must be assessed and managed appropriately. This not-always-necessary-but-essential-to-know information will be discussed throughout this presentation. (NYS CME: All Levels – Core – Ob/Neo/Peds)

3E GENERAL

Addiction Is A Complex Disease: Getting Help Should Be Easy

Brigid Keane, M.P.H.

NYSPHC Graduate Public Health Fellow

Linking patients to treatment shouldn't be so complicated. New resources are available for EMS providers all across New York State to link patients to treatment for substance use disorder. In as little as 3 minutes, EMS providers can now setup a patient with an emergency telemedicine evaluation and/or set them up with an appointment for treatment without making a single phone call. Naloxone and fentanyl test strips are available free to all NY State EMS agencies for distribution to patients as they see fit. Using the power of the MATTERS Network, EMS providers can work with patients on scene to help them choose from nearly 2,000 weekly appointment slots available. Also learn about future efforts such as EMS provided buprenorphine (the active medication in Suboxone) and more! (NYS CME: All Levels – Core – Toxicology)

Conference Workshops

SATURDAY, OCTOBER 21

SESSION 4

4:30 p.m.–5:30 p.m.

4A BLS

Cannabis Hyperemesis Syndrome

Jeff Myers, M.D., D.O., ED.M., EMT-P, PHP, FAEMSEMS
EMS Physician and Educator

Cannabis hyperemesis syndrome is a poorly known condition that causes unexplained vomiting and abdominal pain in some patients who use cannabis regularly. This can be a challenging condition to treat as it may not respond to usual treatments. What is it and how can we effectively treat it? In this interactive session, we will discuss the likely pathophysiology of cannabis hyperemesis syndrome and effective treatment of cannabis hyperemesis syndrome. (NYS CME: All Levels – Core – Toxicology)

4B ALS

Beyond Fast: Improving Your Assessment Skills and Prehospital Identification

Maia Dorsett, M.D., Ph.D., FAEMS, FACEP
Assistant Professor for Emergency Medicine
University of Rochester Medical Center

Research shows that upwards of 40% of strokes go undetected pre-hospital. A large number of these strokes affect the posterior circulation and present with complaints such as dizziness, weakness, nausea/vomiting and fall. Other strokes prohibit a patient's ability to participate in the exam, making assessment more difficult. This session will review the broad clinical presentation of strokes, the factors that increase the chance that they are missed prehospital and teach how to assess patients with dizziness or significantly altered mental status for stroke. (NYS CME: All Levels – Core – Operations)

4C LEADERSHIP

Leading the Invisible

Lillian Bonsignore
Paramedic, CIC

Leading the Invisible discusses how easy it is for a leader to turn a first responder workforce into a group of people that feel unappreciated and invisible. This session will offer tips and strategies to avoid such an environment. Together, we will explore alternative solutions and discuss positive approaches to Leadership. (NYS CME: All Levels – Non-Core)

4D CRITICAL CARE

Understanding the Pathophysiology of Pulmonary Edema

Reuben Farnsworth, BS, CP-C, CCP-C, LP, NRP
President, Rockstar Education and Consulting

If you think you know pulmonary edema, think again. Sure, you give nitro and some positive pressure ventilation, but do you really know why? Join the discussion as we turn what you think you know about pulmonary edema upside down. Get ready for a wild ride. (NYS CME: All Levels – Core – Respiratory)

4E GENERAL

EMS Modernization: What's Funded for 2023-24

Michael McEvoy, Ph.D., NRP, R.N., CCRN
EMS Coordinator, Saratoga County

Ryan Greenberg, MBA, FACPE, NRP
Director, New York State Department of Health
Bureau of EMS and Trauma Systems

The Governor and Legislators took several important steps to strengthen the EMS system in New York. This session reviews legislation and funding that increases the roles of Regional and the State EMS Councils in advancing New York's EMS system. These include workforce development, recruitment and retention, quality improvement, specialty care, disaster medical care, performance standard setting, and mental health and wellness programs for EMS providers. The State EMS Director and the Chair of the State EMS Council will review these changes and progress to date on each initiative. (NYS CME: All Levels – Non-Core)

Conference Workshops

SUNDAY, OCTOBER 22

SESSION 5

8 a.m.–9 a.m.

5A BLS

EMS Response to Specialized Facilities, Nursing Homes and Group Homes

Nancy Magee

Consultant and Managing Partner

MEDIC Training Solutions, LLC

EMS is called to specialized facilities for emergencies of every type: emergent, behavioral, traumatic, and “unscheduled transfers.” These facilities are the home of every “special population” we treat on a regular basis: elderly, dementia patients, the developmentally disabled, TBI victims, autistic people, the mentally ill, addicts, and patients with chronic disability or illness who either cannot be cared for at home or have no willing caregiver there. These facilities are often short-staffed, underfunded, and subject to regulatory standards and requirements that may affect access to information and destination decisions. Understanding these populations and the needs of the staff is critical to providing these patients with the care they need and deserve, and respect is a two-way street. In this session we will review case studies from group homes, an assisted living facility with tiered levels of care, and a suburban SNF. We will review multiple emergency calls and consider response from the perspective of the patients and the staff and discuss ways to develop standard operating guidelines and best practices for agencies who respond to these calls. (NYS CME: All Levels – Non-Core)

5B ALS

Tranexamic Acid: Battlefield to the Street

Jeff Myers, M.D., D.O., Ed.M., EMT-P, PHP, FAEMSEMS

EMS Physician and Educator

Tranexamic acid (TXA) is used worldwide in the treatment of hemorrhagic shock. While it has been used for a long time in other settings, its use in trauma became more wide-spread in the austere battlefield environment. Recently, TXA has transitioned into civilian trauma care with many EMS systems adopting TXA for use in out of hospital trauma care. In this interactive session, we will discuss the physiology of and the role TXA plays in treating hemorrhagic shock. (NYS CME: All Levels – Core – Shock)

5C EDUCATOR

Brilliant Students

Anna Ryan

EMT Course Coordinator, Hackensack Meridian Health – Jersey Shore University Medical Center

Training new EMTs is not for the faint of heart. Students enroll with an assortment of expectations, levels of commitment and capacities for learning. The training time is short and the

workload... It's a lot. Unfortunately, a trained EMT's time in the field is relatively short. The average career of an EMT is only five years leading to training churn and instructor burnout. To remedy these negative outcomes, we look to initial training, but adding one more topic to an already crowded syllabus feels impossible. Fortunately, improving competence and longevity don't have to add hours of class time. This workshop will show instructors how to improve student outcomes without changing the current syllabus. This presentation explores using active learning, information processing techniques, critical thinking, peer and self-assessment to enhance the performance and career longevity of new EMTs. With supportive training, any student can become brilliant. (NYS CME: All Levels – Non-Core)

5D CRITICAL CARE

Critical Care Pharmacotherapy for the Crashing Patient from Soup to Nuts

William Heuser

Northwell Health/Hicksville FD/FDNY

Understanding how medications work to save the lives of our critically ill patients in the back of the bus, helicopter, etc. is absolutely necessary to advance the roles of pre-hospital providers. Medicine is changing daily and is imperative that the pre-hospital provider is up to date on the most cutting-edge pharmacotherapy for those patients who need it the most. This lecture will dive deep into critical care pharmacotherapy including the use of push-dose pressors, analgesia-sedation for post-intubation sedation, and medications that actually save lives in cardiac arrest. (NYS CME: All Levels – Core – Pharmacology)

5E GENERAL

Diversion of Transport: Alternatives to Traditional EMS Models

Mark Philippy, B.A., EMT-P

Mitchell Cater-Cyker

It is not news that EMS agencies struggle with staffing shortages, and both EMS and Hospital Systems wrangle Emergency Department “wall times” and patient turnover constraints. Patient populations particularly in urban centers increasingly depend upon EMS and Hospital EDs for primary care, causing a measurable increase in low acuity calls for service, which divert resources from critical patient needs. EMS agencies, individually and in collaboration with local government, have found need of innovative means to direct patients to *appropriate* care that may *not* include ambulance transport to a hospital. This session will discuss the framework of these systems, challenges to establishing them, successes and considerations after launch, and what we need to do as a state and nation to support further development. Other services which have similar successes will be discussed and participants will be encouraged to share their experiences. (NYS CME: All Levels – Non-Core)

Conference Workshops

SUNDAY, OCTOBER 22

CLOSING SESSION

9:30 a.m.

Closing Keynote Address: The Science of Stress Management and Longevity

Michael Taigman
Improvement Guide for First Watch

We all know that working in EMS can be stressful at times. How we handle those stressors can determine how much we love our job and how much it affects our life outside of work! We all can learn how to decrease stress, live a healthier life, and increase happiness which can add years to our lives! During this evidence based session, you will learn things to do immediately for a longer and healthier life!

SESSION 6

1 p.m.–2 p.m.

6A BLS

Therapeutic Communication for EMS

Sara Gruver
Paramedic
Erway Ambulance Service

Oftentimes, people may assume that EMS professionals come by compassionate and therapeutic communication naturally. The truth is that like any other skill we use, therapeutic communication and de-escalation techniques need to be taught and practiced. This interactive class will evidence-based techniques on how to help patients feel safe, prevent and de-escalate potential crisis, and understand pain-based behaviors and stress responses. This class will include both lecture and a chance to practice our newly learned skills. (NYS CME: All Levels – Non-Core)

6B ALS

Broken Heart Syndrome

David Brenner, EMT-P, CIC, M.S.
Captain, Holbrook Fire Department

Takotsubo (Stress) Cardiomyopathy was first identified in the early 1990s. Much of the information about this condition has been anecdotal. Causes, presentation, assessment, interventions, and outcomes have been misunderstood as a result of the lack of information. This literature review presentation will reduce the myths surrounding the patient with takotsubo cardiomyopathy and increase recognition. (NYS CME: All Levels – Core – Cardiology)

6C LEADERSHIP

Learning From Failure: Leadership Lessons from Abraham Lincoln

Ray Barishansky, MPH, MS, CPM
Former Deputy Secretary of Health
Pennsylvania Department of Health

We are all familiar with Abraham Lincoln's important accomplishments during his presidency, including leading the nation through the Civil War, preserving the Union, and ending slavery in the United States. But what we may not recall are Lincoln's early failures and how he learned from those failures to become one of the most well-known, and popular, presidents. What lessons can modern-day EMS leaders take away from studying Abraham Lincoln's presidency? Lincoln's unique leadership style utilized out-of-the-box strategies such as bringing political rivals into his cabinet combined with emotional intelligence and superior communication skills to get things done in one of our nation's most challenging political eras. Ray will highlight the timeless wisdom of Lincoln for today's EMS leaders and leaders-to-be in this informative, historically-based presentation. (NYS CME: All Levels – Non-Core)

6D PEDIATRIC

Small Victims, Big Problems: Disaster Preparedness Triage

Emily Kaplan, DrPH, MPA, EMT-P
Assistant Director
New York Medical College

Disasters affect children differently than adults and are disproportionately harmed by disasters. Children must be triaged differently while EMS systems must be prepared to respond to their specific needs to reduce potential harms. Join this program to review and discuss pediatric triage guidelines and updates including JumpSTART, SALT, and family triage. Join our presenters to participate in identification of specific local challenges including transportation, selecting destination facilities, care coordination, and review available resources to facilitate your agency's pediatric surge preparedness. (NYS CME: All Levels – Core – Peds)

6E GENERAL

New York State EMS and Trauma Systems Update

Bureau of EMS and Trauma Systems (BEMS)
NYS Department of Health

What to expect when your agency is scheduled for a full-service inspection; a review of new/updated State EMS Policy Statements; Agency Leaders will have opportunities to ask the State EMS Operation team questions. We will demonstrate the new Controlled Substances and EMS agency renewal Portal(s), discussion to include the proposed equipment standards, and operations updates. This course will provide leaders of EMS organizations current updates to the structure and framework of the rules and regulations that govern NYS EMS operations. (NYS CME: All Levels – Operations)

Conference Workshops

SUNDAY, OCTOBER 22

SESSION 7

2:15 p.m.–3:15 p.m.

7A BLS

Sepsis is Seriously Sick: Rapid Recognition Saves Lives

Nancy Magee

*Consultant and Managing Partner
MEDIC Training Solutions, LLC*

Addressing immediate life threats is the purview of the BLS provider, yet many EMTs have little more than a peripheral understanding of sepsis, believing that somehow ALS certification or tools are necessary for initial diagnoses and initiation of field treatment. However, more than 80% of sepsis cases originate outside of the hospital setting, and if rapid recognition and treatment is not started in the pre-hospital environment many of these patients will die as their dysregulated, out of control immune response to infection overwhelms the body and causes dysfunction in multiple organ systems. Rapid recognition of sepsis by BLS providers can be critically important in starting the clock on treatment of a disease where a few hours can make the difference in survival for patients in every demographic. In this session we will review the pathophysiology of sepsis, red flags, assessment strategy, screening tools and sepsis alerts. (NYS CME: All Levels – Core – Immunology)

7B ALS

Edibles to Inhalants: A Toxicology Review and Current Updates

Emily Kaplan, DrPH, MPA, EMT-P

Assistant Director

New York Medical College

Recognition, precautions, and interventions for common, to the deadliest, substances. This session reviews pharmacokinetics, recognition, and treatment for benzodiazepine, organophosphate/carbamate, pyrethroids, psilocybin, and sedative overdose and exposure. (NYS CME: All Levels – Core – Toxicology)

7C EDUCATOR

Brilliant Documentation

Anna Ryan

*EMT Course Coordinator, Hackensack Meridian Health –
Jersey Shore University Medical Center*

Documentation is the single most common procedure in EMS. Poor documentation contributes to adverse legal outcomes and can hinder, or even end the career of an individual EMT. This workshop takes a fresh look at teaching students what to write and how to write it without the need to revamp an existing training program. Instructors will learn how to add as much as five hours of documentation instruction. We will investigate classroom practices that turn experience in the field into words on a PCR. (NYS CME: All Levels – Non-Core)

7D CRITICAL CARE

To Depolarize or Not Depolarize: The Battle of RSI Paralytics

William Heuser

Northwell Health/Hicksville FD/FDNY

With the implementation and adoption of the collaborative protocols in NYS, RSI is always a debate, especially when it comes to which patients to use it in and comfort with the medications. Rapid-sequence intubation (RSI) is an important technique of airway management in the pre-hospital setting, however, this life saving procedure does not come without risks. Several different medications are available in the pre-hospital setting and it is imperative that paramedics are comfortable with deciding which induction and paralytic agents to use in a very stressful life or death situation. This lecture will compare and contrast the induction agents used for RSI as well as their evidentiary support. An in-depth discussion of succinylcholine and rocuronium will be discussed and describe different populations on when each induction and paralytic agent should be used. (NYS CME: All Levels – Core – Pharmacology)

7E GENERAL

NYS EMS – Education Update

Bureau of EMS and Trauma Systems (BEMS)

NYS Department of Health

BEMS staff will be available to address changes and upcoming programs. Staff will be available to answer any questions about education in NYS. All instructors, sponsors administrators or liaisons are encouraged to attend. (NYS CME: All Levels – Non-Core)

Conference Workshops

SUNDAY, OCTOBER 22

SESSION 8

3:30 p.m.–4:30 p.m.

8A BLS

The Night I Almost Jumped

Matthew Giacobelli, BS, NR-P
Paramedic, First Capital EMS

Mental health – the elephant in every Emergency Services station and dispatch center. Mental health – the taboo subject no one talks about. Well, not anymore. We're going to have a talk about why Matt had a bout of depression that nearly ended his life. We are going to talk about some of our brothers and sisters who are no longer with us because they lost their battle with their demons. What is the extent of the problem? What's being done about it? We're going to talk about the stigma, and how to break it. We're going to learn how to cope, how to be resilient. Above all, we are going to learn it's ok to not be ok, and it's ok to talk about all of this. Because this time, the life we save may be our own. (NYS CME: All Levels – Core – Mandatory Mental Health for the EMT Provider)

8B ALS

Four Not to Be Missed: 12 Lead ECG Patterns

David Brenner, EMT-P, CIC, M.S.
Captain, Holbrook Fire Department

Sure, we were taught to recognize STEMIs. But these four patterns are *not* STEMIs and need to be recognized and addressed immediately. We will investigate these ECG patterns presented by our chest pain patients. Our early recognition may be the driving force that brings the patient early, lifesaving intervention. Case presentations and clear ECG criteria with ample opportunity to practice is included in this vivid and scholarly presentation. (NYS CME: All Levels – Core – Cardiology)

8C LEADERSHIP

What We Have Here is A Failure to Communicate: Top Communication Tips from Great Leaders

Ray Barishansky, M.P.H., M.S., CPM
Former Deputy Secretary of Health
Pennsylvania Department of Health

It is impossible to be a great leader without being a great communicator. It's that simple, yet, at the same time, that complex. There are some constants to effective communications that we can learn from great leaders. Drawing on examples

from leaders in the political realm – such as Winston Churchill and John F. Kennedy – as they endeavored to unite nations or even the business world – such as Stephen Covey and Steve Jobs – as they strategically led their companies, the lessons are myriad. In this presentation, Ray Barishansky, an EMS and Public Health professional with over 30 years of experience in the field in positions of increasing responsibility, will share the various communication secrets – such as being a great listener, reading a crowd effectively and adapting your messaging to the environment – those leaders have utilized to success. (NYS CME: All Levels – Non-Core)

8D PEDIATRIC

Safe Transports of Newly Born Patients

Amy Eisenhauer, Program Manager
EMS for Children's Program
NYS Department of Health

EMS providers face a daunting variety of conditions on emergency responses, a notable example is imminent childbirth and how to transport a patient and their infant immediately after childbirth. During this course providers will learn about the EMS for Children mission and associated programs related to the safe transport of neonatal or newly born patients in ambulances in New York State, discuss specific New York State EMS collaborative protocols related to appropriate restraint of pediatric patients during transport, and take away key actions they can use to provide safer transport for newborn and pediatric patients. (NYS CME: All Levels – Core – Airway)

8E GENERAL

Part 18: Public Function Permits

Stephen Brucato, B.S., EMT-P
District Chief, Bureau of EMS – Emergency Preparedness and Response Section, NYS Department of Health

Did you know that all events taking place in New York State that have an expected attendance of over 5,000 people need a permit from the Department of Health? Do you know how long before the event you're supposed to apply? Who needs to apply and what your responsibilities are? This presentation will cover everything you need to know; the requirements, timeline, cost, and process to apply for a Part 18 Public Function Permit. (NYS CME: ALL Levels – Core – Operations)

Conference Announcements

RECEPTION

Friday, October 20
5 p.m.–7 p.m.

Visit with old friends, view the exhibits, and talk to other EMS providers from around the state. Join us at the Friday evening reception in the Exhibit Hall. Free with conference registration.

BADGES

All conference registrants will receive a name badge. Badges must always be worn to attend sessions or special events.

CONTINUING EDUCATION

Participants may receive hour for hour continuing education credit for each session attended.

NYS CME-BASED RECERTIFICATION PROGRAM

All CME hours for this year's conference have been authorized and approved by a CIC for use in the NYS CME Program and most of the hours can be used towards core content. The specific content areas are listed at the end of each session description in the brochure. Attendees must retain a copy of the brochure along with their CME certification.

BUSES

Shuttle buses will NOT be provided to and from the hotels.

PARKING

There is a parking garage adjacent to The Oncenter for a fee.

REFUNDS AND CANCELLATIONS

If you wish a refund, send a written cancellation notice to NYSDOH, Bureau of EMS, Vital Signs Conference 2023, 875 Central Avenue, Albany, NY 12206 postmarked on or before October 5, 2023. A 25% cancellation fee will be charged. No refunds will be granted after October 5, 2023.

NYSDOH, Bureau of EMS reserves the right to substitute speakers and/or topics, if circumstances require it.

NYSDOH, Bureau of EMS or Health Research Inc, will not provide refunds to participants whose behavior causes the The Oncenter or NYSDOH to ask that they leave the conference

If necessary, NYSDOH, Bureau of EMS reserves the right to cancel the conference. If the conference is cancelled, registration fees will be refunded.

REGISTRATION

All registrations need to be completed online. Credit card and electronic check transfer options are available. Please visit www.vitalsignsconference.com to complete your registration process.

Upon receipt of your conference registration, a receipt will be emailed to you.

Directions

**The Oncenter
Syracuse, New York**

FROM THE NYS THRUWAY

Take Exit 36, Route 81 South to Syracuse. Take Harrison Street Exit 18, go right onto Harrison, go two blocks. Turn left on State Street, turn left into The Oncenter parking garage.

FROM THE NORTH

Route 81 South to Harrison Street Exit 18. Turn right onto Harrison, go two blocks. Turn left on State Street, turn left into The Oncenter parking garage.

FROM THE SOUTH

Route 81 North to Adams/Harrison Street Exit 18. Go straight one block, turn left onto Harrison, go two blocks. Turn left onto State Street, turn left into The Oncenter parking garage.

FROM THE EAST AND WEST

From 690 East or West, Take the West Street exit. Follow West Street to the 5th light. Turn left on Shonnard Street which turns into East Adams. Follow East Adams to the 7th light. Turn left onto South State Street, turn right into The Oncenter parking garage.

Hotel Information

It is important to make your hotel reservations as soon as possible. Visit www.vitalsignsconference.com to book your hotel room. All reservations require a credit or debit card to complete the booking process. Hotel confirmations will be sent by e-mail. Review your confirmation for accuracy.

CROWNE PLAZA SYRACUSE: HQ HOTEL \$169/night: In the heart of downtown Syracuse, this beautiful Crowne Plaza Syracuse hotel's location is in the gateway to Syracuse University and nearby Le Moyne College, with convenient access to highways I-81 and I-90, as well as many of the area's top businesses and attractions. Guests at the Crowne Plaza hotel in Syracuse will enjoy sensational service, sophisticated rooms and imaginative dining at Redfield's Restaurant.

THE COURTYARD BY MARRIOTT \$174/night: Treat yourself to the best of Syracuse, NY at the Courtyard Syracuse Downtown at Armory Square, one of the most convenient Syracuse, NY hotels and the only downtown Syracuse hotel with an indoor pool. Located in the Armory Square District, our hotel near Syracuse University puts you close to the Carrier Dome, NBT Stadium (home of the Syracuse Mets), NYS Fairgrounds and Amphitheater, OnCenter Convention Center, the Museum of Science and Technology (MOST), and the Landmark Theatre. We offer free WiFi, flexible workspaces, plush bedding, and mini fridges. Stay fit in our fitness center and enjoy a swim in the only indoor pool in downtown. Dine at our onsite Bistro or walk to top area dining, shopping, and entertainment

MARRIOTT SYRACUSE DOWNTOWN \$189/night: Discover Syracuse, NY from the finest historic hotel in the city, elegantly restored to reflect the grandeur of the former Hotel Syracuse.

Each of our lavish guest rooms and suites are furnished with exquisite Stickley pieces and arranged with comfort in mind. While staying with us, you can choose from a variety of dining options whether it's fine cuisine or a stop at a pub. Located in the heart of downtown Syracuse, we are conveniently near the Oncenter and Armory Square.

PARKVIEW HOTEL \$169/night: Everyone wants to be in the thick of things but appreciates personal space. Our rooms are the largest in the downtown area, which means you can spread out, relax, and breathe deeply. The Parkview Hotel is ready to meet your varied travel needs.

THE COLLEGIAN HOTEL AND SUITES \$170/night: Walk under the towering white pillars and step into the lobby. Breathe deeply. Relax your shoulders. Take in the warm lighting, the rippling of the koi pond, the smell of freshly-cut flowers. This is the Genesee Grande Hotel

THE ALOFT \$159/night: Explore the heart of New York state when you stay at Aloft Syracuse Inner Harbor. Located on the banks of Onondaga Creek, our contemporary hotel offers easy access to Destiny USA Mall, Syracuse University and sightseeing in the lakefront area. Our hotel near Syracuse airport offers free parking and a shuttle service. No matter how busy or relaxed you are in Syracuse, NY, our 24-hour, self-serve eatery satisfies your cravings. Unwind with friends or colleagues with pints and other popular concoctions at WXYZ Bar. In your downtime, take a lap at our indoor pool or work up a sweat at our 24-hour fitness center. Retreat to our simple yet stylish hotel rooms when it is time to retire. Enjoy free high-speed Wi-Fi, mini-refrigerators and bathrooms with premium products at our hotel in downtown Syracuse.

Course Selection Worksheet

Please use this worksheet page to help you in the online registration process. Visit vitalsignsconference.com to complete your registration.

Last Name		First Name	
Address			
City		State/Province	Zip/Postal Code
E-mail			
Certification Number		Phone Number	

CONFERENCE REGISTRATION

In Person

- \$245 Event Registration (until September 29)
- \$275 Event Registration (September 30–October 15)
- \$300 Onsite Event Registration
- \$150 Saturday Only
- \$150 Sunday Only

PRECONFERENCE FEES

(Please mark your first, second, and third choices.
All efforts will be made to accommodate your first choice.)

In Person

- \$425 **NAEMSE Instructor Course 1**
(Three Day Preconference)
- \$575 **NAEMSE Instructor Course 1 (Crowne Plaza)**
(If attending the Main Conference on Saturday and Sunday)
- \$225 **BLS Core Content Refresher** (Two-day Preconference)
- \$225 **ALS Core Content Refresher** (Two-day Preconference)
- \$225 **The NAEMSP Quality Improvement Workshop (Crowne Plaza)**
(Two-day Preconference)
- \$150 **Community Paramedicine (Thursday, October 19)**
(One-day Preconference)
- \$ 75 **NYS CIC and Administration (Thursday, October 19 Morning)**
(Half-day Preconference)
- \$ 75 **Simulation Best Practices (Thursday, October 19 Afternoon)**
(Half-day Preconference)
- \$150 **Business Economics for EMS Managers (Friday, October 20)**
(One-day Preconference)

FRIDAY SESSION WORKSHOPS

- Provider Effect on Behavioral Health Emergencies** 1 p.m.–2 p.m.
- Twacks, Whacks, Cracks, and Smacks** 2:30 p.m.–3:30 p.m.
- Heads Up! Traumatic Brain Injury** 4 p.m.–5 p.m.

CONFERENCE WORKSHOPS

(Please mark your first, second, and third choices.
All efforts will be made to accommodate your first choice.)

SESSION 1 Saturday, October 21, 8 a.m.–9 a.m.

- 1A BLS Capnography for BLS Clinicians
- 1B ALS Airway Management: The Anatomy, Physiology and Procedures
- 1C Educator Simulation Certification for EMS Educators
- 1D Pediatric Pediatric Respiratory Emergencies
- 1E General Something Wicked This Way Comes: The Horror of Common Pitfalls in EMS

SESSION 2 Saturday, October 21, 2 p.m.–3 p.m.

- 2A BLS Chemical Explosions/Chemical Injuries
- 2B ALS Hematologic Emergencies: Beyond Anemia and Sickle Cell Crises
- 2C Leadership 5 Steps to Building and Maintaining a Strong Team
- 2D Critical Care Why It May Not Be the Panacea You Think
- 2E General Unique Patient Signs

SESSION 3 Saturday, October 21, 3:15 p.m.–4:15 p.m.

- 3A BLS Unmasking the Impossible: Stroke Mimics
- 3B ALS Thoracic Trauma: The Emergent Truth
- 3C Educator Cased-based Teaching: A Roadmap to Success
- 3D Pediatric Meconium Happens
- 3E General Addiction Is a Complex Disease: Getting Help Should Be Easy

SESSION 4 Saturday, October 21, 4:30 p.m.–5:30 p.m.

- 4A BLS Cannabis Hyperemesis Syndrome
- 4B ALS Beyond Fast: Improving Your Assessment Skills and Prehospital Identification
- 4C Leadership Leading the Invisible
- 4D Critical Care Understanding the Pathophysiology of Pulmonary Edema
- 4E General EMS Modernization: What's Funded for 2023-24

SESSION 5 Sunday, October 22, 8 a.m.–9 a.m.

- 5A BLS EMS Response to Specialized Facilities, Nursing Homes and Group Homes
- 5B ALS Tranexamic Acid: Battlefield to the Street
- 5C Educator Brilliant Students
- 5D Critical Care Critical Care Pharmacotherapy for the Crashing Patient from Soup to Nuts
- 5E General Diversion of Transport: Alternatives to Traditional EMS Models

SESSION 6 Sunday, October 22, 1 p.m.–2 p.m.

- 6A BLS Therapeutic Communication for EMS
- 6B ALS Broken Heart Syndrome
- 6C Leadership Learning from Failure: Leadership Lessons from Abraham Lincoln
- 6D Pediatric Small Victims, Big Problems: Disaster Preparedness Triage
- 6E General The 101s of NYS Statute and System Design

SESSION 7 Sunday, October 22, 2:15 p.m.–3:15 p.m.

- 7A BLS Sepsis is Seriously Sick: Rapid Recognition Saves Lives
- 7B ALS Edibles to Inhalants: A Toxicology Review and Current Updates
- 7C Educator Brilliant Documentation
- 7D Critical Care To Depolarize or Not Depolarize: The Battle of RSI Paralytics
- 7E General EMS Education Update

SESSION 8 Sunday, October 22, 3:30 p.m.–4:30 p.m.

- 8A BLS The Night I Almost Jumped
- 8B ALS Four Not to Be Missed: 12 Lead ECG Patterns
- 8C Educator What We Have Here Is a Failure to Communicate: Top Communication Tips from Great Leaders
- 8D Pediatric Safe Transports of Newly Born Patients
- 8E General Part 18: Public Function Permits



Vital Signs EMS Conference

October 18-22, 2023
The Oncenter, Syracuse, New York

A Program of the New York State Department of Health

VITAL SIGNS EMS CONFERENCE

main points, blocked hotels, parking



Legend

MAIN POINTS

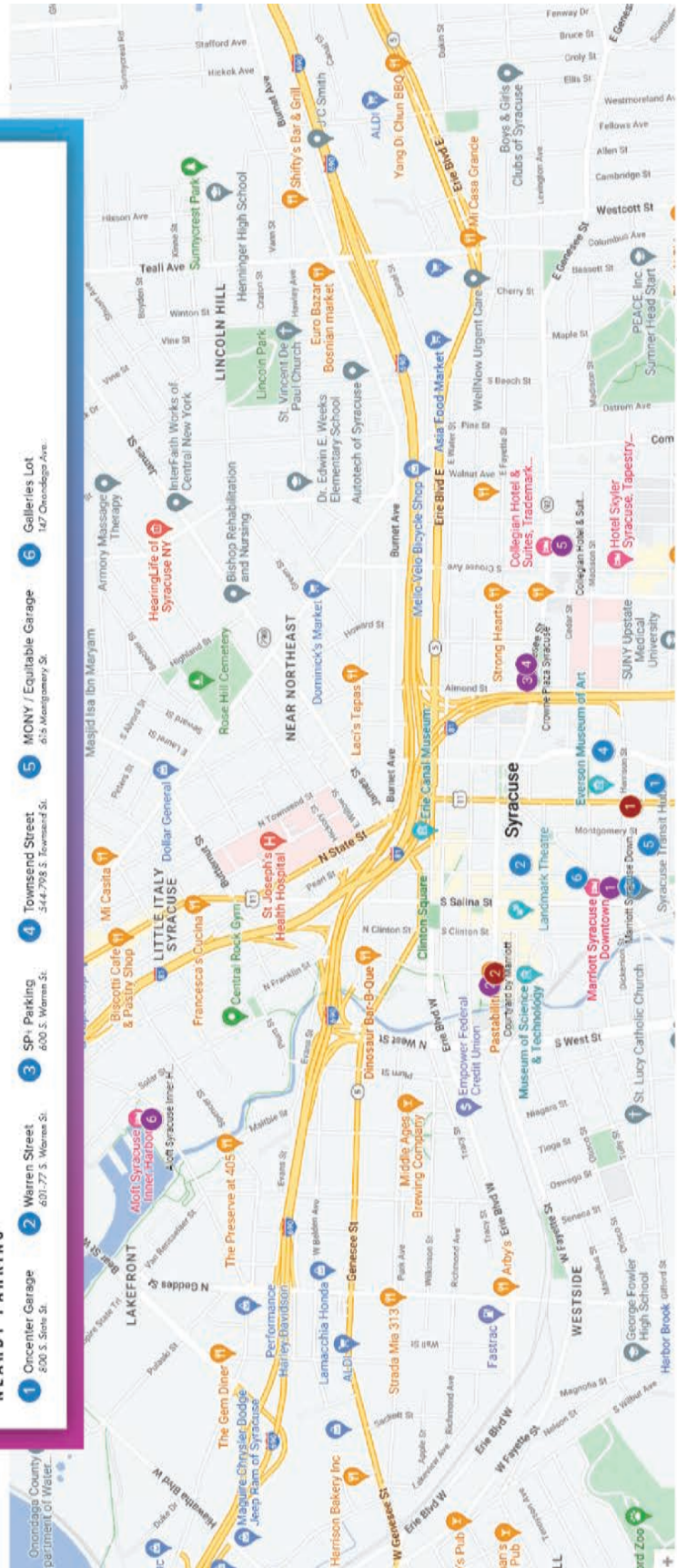
- 1 The Oncenter Nicholas J. Pirro Convention Center
- 2 Armory Square

PREFERRED HOTELS

- 1 Marriott Syracuse Downtown
- 2 Courtyard by Marriott Syracuse Downtown at Armory Square
- 3 Crownie Plaza Syracuse
- 4 The Parkview Hotel
- 5 Collegian Hotel & Suites, Trademark Collection by Wyndham
- 6 Aloft Syracuse Inner Harbor

NEARBY PARKING

- 1 Oncenter Garage
- 2 Warren Street
- 3 SP+ Parking
- 4 Townsend Street
- 5 MONY / Equitable Garage
- 6 Galleries Lot



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