



**VITAL  
SIGNS**  
**2014**

**Vital Signs  
New York State  
EMS Conference  
October 22-26, 2014**

**Rochester Riverside Convention Center  
Rochester, NY  
[vitalsignsconference.com](http://vitalsignsconference.com)  
518-402-0996**

# Conference Program

## WEDNESDAY, OCTOBER 22

- 7:30am–8am** Preconference Registration
- 8am–5pm** Preconference Programs

## THURSDAY, OCTOBER 23

- 7:30am–8am** Preconference Registration
- 8am–5pm** Preconference Programs

## FRIDAY, OCTOBER 24

- 7:30am–8am** Preconference Registration
- 8am–6pm** Preconference Programs
- 5pm–6:30pm** EMS County Coordinators Meeting
- 5pm–8:30pm** Registration Opens
- 5:30pm–7pm** Reception
- 5:30pm–8:30pm** Exhibit Area Open

## SATURDAY, OCTOBER 25

- 7:30am** Registration Opens
- 8am–8:30am** Welcome: Opening Ceremonies  
NYS EMS Awards Presentation
- 8:30am–9:45am** Opening Session: Heroin, A Nationwide Epidemic: Current Trends and Dangers
- 9:30am** Exhibit Area Opens
- 9:45am–10:15am** **Break**
- 10:15am–11:45am** **SESSION 1**
  - 1A BLS** Multi-Trauma Case Studies
  - 1B ALS** Cardiac Arrest Management
  - 1C EDUCATOR** Emotional and Social Intelligence: Hillbilly Heaven
  - 1D OPERATIONS** Special Ops: Mass Gatherings, Special Events, and Stand-bys
  - 1E GENERAL** Assessing and Treating Altered Mental Status as an EMT: It's More Than Calling ALS
- 11:45am–1:30pm** **Lunch** (On Your Own)
- 1:30pm–2:45pm** Exhibit Area Closed
- 1:30pm–3pm** **SESSION 2**
  - 2A BLS** Guidelines for Field Triage of Trauma Patients
  - 2B ALS** Weak, Winded and Woozy... What's Wrong?
  - 2C EDUCATOR** Mentoring: Raising the Dead in Our Profession
  - 2D OPERATIONS** TBA
  - 2E GENERAL** Human Trafficking Situations in EMS

## SATURDAY, OCTOBER 25 (continued)

- 3pm–3:30pm** **Break**
- 3:30pm–5pm** **SESSION 3**
  - 3A BLS** Differential Diagnosis: A Disciplined Approach to Medical Emergencies
  - 3B ALS** Caring for Chronically Ill Children
  - 3C EDUCATOR** The Essence of EMS Education
  - 3D OPERATIONS** Operational Vegetable Soup
  - 3E GENERAL** Obstetrics: Antepartum Emergencies
- 5pm** Exhibit Area Closes

## SUNDAY, OCTOBER 26

- 8:00am** Registration Opens
- 8:15am** National and New York State EMS Memorial Service
- 8:30am–9:45am** Closing Session: The Aftermath: The Days Following the Christmas Eve Ambush in West Webster
- 9am** Exhibit Area Opens
- 9:45am–10:15am** **Break**
- 10:15am–11:45am** **SESSION 4**
  - 4A BLS** Johnny's Sick Today: Predictable Pediatric Problems
  - 4B ALS** Why Suxx Sucks and How RSI Is Done Right
  - 4C EDUCATOR** The Future of EMS Education is Upon Us
  - 4D OPERATIONS** The Adventures of an EMS Career
  - 4E GENERAL** LifeVest Wearable Defibrillator
- 11:45am–1:30pm** **Lunch** (On Your Own)
- 1:30pm** Exhibit Area Closes
- 1:30pm–3pm** **SESSION 5**
  - 5A BLS** Rapid Case Studies: It's Not Your Typical Run Review
  - 5B ALS** Acute Stroke Care and EMS
  - 5C EDUCATOR** Bart, Calvin and Dennis: Dealing with Difficult Students
  - 5D OPERATIONS** The Best Kept Secrets in Public Health, Medical Preparedness and Response That the Feds Want You to Know
  - 5E GENERAL** An Introduction to Mountain Medicine: Acute Mountain Sickness and Cold Injuries

# Three-Day Preconference Workshop

WEDNESDAY, OCTOBER 22, THURSDAY, OCTOBER 23 and FRIDAY, OCTOBER 24

## PRECONFERENCE 1

### The NAEMSE EMS Instructor Course

*Christopher Nollette, Ed. D., NREMTP, LP*

*Connie J. Mattera, MS, RN, EMT-P*

*Joann Freel, BS, CMP*

8am–5pm

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. This course represents the didactic component and practical application of the education process necessary to possess as an EMS Instructor. This National Instructor course will provide participants with:

- Tools and resources to enable the Instructor to teach to their highest potential.

- Foundational information on the educational process including teaching philosophy, strategy and techniques to promote effective student learning and evaluation.
- Opportunities for networking and interpersonal growth as an educator.

This may be utilized as a fast-track to becoming a NYS CIC, whether or not you are certified as a CLI. You must contact the Bureau of EMS after completion of this course to begin the CIC fast-track process. Class limited to 100 students. *(NYS CME: All Levels – Additional)*

# Two-Day Preconference Workshops

THURSDAY, OCTOBER 23 and FRIDAY, OCTOBER 24

## PRECONFERENCE 2

### BLS Core Content Refresher

Joseph J. Mistovich, MEd, NREMT-P  
Dan Batsie, BA, NREMT-P

8am–5pm

This two-day workshop will provide 16 hours of BLS core content that an EMT or AEMT may apply towards their NYS CME-Based Recertification. This workshop will be a well-rounded review, covering core content topics. Attending this course 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.

For those who attended Vital Signs in 2013, this workshop will complete your BLS core content requirements. For others, 2014 offers an opportunity to “get started” in meeting your core requirements, or to “add on to” core training you have obtained elsewhere. 2014 alone will not meet all of the required core requirements, but attending both this year and next year will meet all of your requirements for core content.

Subject areas to be covered:

1	Preparatory
1	Airway
1	Patient Assessment
1	Pharmacology/Medication Admin/Emergency Medications
1	Abdominal/Geni-Renal/GI/Hematology
1	Respiratory
1	Psychiatric
1	Cardiology
1	Shock and Resuscitation
2	Trauma
1	Geriatrics
2	OB/Neonate/Pediatrics
1	EMS Operations
1	Additional
<b>16</b>	<b>Total Hours</b>

## PRECONFERENCE 3

### ALS Core Content Refresher

Paul Werfel, MS, NREMT-P  
Arthur Romano, BA, NREMT-P

8am–5pm

This two-day workshop will provide 16 hours of ALS Training that an AEMT Critical Care or Paramedic may apply towards the “Core” Refresher Training of their NYS CME-Based Recertification Program. These 16 hours may also be applied towards the Mandatory Core Content required by the NREMT, meeting the objectives of the DOT Advanced Refresher.

For those that attended Vital Signs 2012 and 2013, this workshop will build upon the material presented then. For others, this offers an opportunity to “get started” in meeting the Core requirements, or to “add on to” Core training obtained elsewhere. This workshop will be a well-rounded review, covering only in part several Core topic subjects. It alone will not meet all of the required Core Refresher Training.

Subject areas to be covered:

AEMT Hours	CC Hours	Paramedic Hours	Topic Area
2	2	2	Preparatory
2	–	–	Pharmacology
2	2	2	Airway Management & Ventilation
4	3	3	Trauma
2	–	–	Patient Assessment
4	–	–	Medical
–	–	2	Pulmonary & Cardiology
–	2	–	Respiratory & Cardiac Emergencies
–	1	1	Neuro/Endocrine/Allergies/Anaphylaxis
–	1	–	Allergic Reactions & Poisoning
–	1	–	Neurological & Abdominal Emergencies
–	1	–	Environmental/Behavioral/Gynecological
–	–	1	Gastro/Renal/Urology/Toxic/Hematology
–	1	–	Obstetrics
–	–	1	Gynecology and Obstetrics
–	1	–	Neonatology*
–	1	–	Pediatrics*
–	–	1	Neonatology & Pediatrics
–	–	1	Abuse and Assault
–	–	1	Environmental Conditions/Infectious and Communicable Diseases/Behavioral
–	–	1	Operations
<b>16</b>	<b>16</b>	<b>16</b>	<b>Total Hours</b>

\*Neonatology and pediatric content also covered in other Paramedic Medical sections.

# One-Day Preconference Workshops

FRIDAY, OCTOBER 24

## PRECONFERENCE 4

### Building High-Performance Teams to Tackle Sudden Cardiac Arrest

Laerdal Medical

8am–5pm

With only minutes making the difference between a patient's life and death, Sudden Cardiac Arrest highlights the need for the best team performance possible. This is true whether you work in a hospital or pre-hospital environment. In this hands-on interactive course you will see how team performance in resuscitation can instill saving lives into part of a team's character. You will experience how simulation can lead to improved individual competency, team coordination, team aggressiveness, and team familiarity with a process. You will also discover how simulation can help teams develop situational awareness, overcome the unexpected, and develop the adaptive behavior necessary when things don't go as planned.

Who should attend? This class is designed for pre-hospital and hospital providers and/or educators. The richness of the learning experience will only benefit from having the broadest audience possible. Attendees will learn how to:

- Use science-based measurement, assessment, and feedback to improve CPR skills and maintain competency
- Plan for team roles, responsibilities, and processes, using simulation as your proving ground
- Practice for leadership and followership skills, plus the common team language and standardized practices that go with it
- Access the ever-changing environment to develop situation awareness
- Foster assertive patient safety-centric communications when risks occur
- Change the team or environment mix to promote adaptive behavior
- Pinpoint system-designed errors and environment-driven errors

Class Structure: This session will require significant hands-on activity. Attendees can choose to serve on actual teams or serve as coaches providing assessment and feedback. Class limited to 30 students. (NYS CME: All Levels – Shock and Resuscitation/Cardiology)

## PRECONFERENCE 5

### Simulation Lab

Henrietta Ambulance Simulation Lab

Session 5A: 8am–11am

Session 5B: 11:30am–2:30pm

Session 5C: 3pm–6pm

Location: Henrietta Ambulance, 280 Calkins Rd, Rochester, NY 14623. Parking is provided.

Participants will utilize high-fidelity, computerized life-like manikins in real-life scenarios in a controlled setting for optimal learning. You will have hands-on practice to review and improve your physical skills, along with problem solving and teamwork skills. The sessions will begin with classroom review of objectives, anatomy and physiology, learning points and overview of the facility. Your journey through the world of simulation will be guided by

highly trained facilitators who are educated to work with adult learners in a simulated teaching environment. Facilitators will lead participants through predetermined patient scenarios that are designed to challenge your knowledge and make the team work together for a successful patient outcome. One scenario will be treating a patient with a Left Ventricular Assist Device (LVAD). A formal debriefing will follow each scenario, which will include video playback, group discussions and team work.

(NYS CME: All levels – 1 hr. Respiratory, All levels – 1 hr. Obstetrics, All levels – 1 hr. Patients with Special Challenges OR Cardiology All Levels – ½ hr. Trauma – if time allows)

## PRECONFERENCE 6

### Chain of Survival

Joe Delehanty MD, Director of Cardiovascular Service

Todd Massey MD, Surgical Director, Artificial Heart Program and Resuscitation Science Lab

Bill Hallinan, RN MS EMT-P, Program Officer, Artificial Heart Program University of Rochester Cardiac Lab

Jennifer Everett, EMT-P, Monroe Community College Adjunct Faculty – EMS Program, Gates Ambulance

Session 6A: 8am–11am

Session 6B: 1pm–4pm

Location: Strong Memorial Hospital, 601 Elmwood Avenue, Rochester, NY 14642. Parking is available.

Extending the Chain of Survival with Advanced Cardiac Care: from the scene to the operating room to home again, see it all come together!

Come see the EMS integration and inner workings of one of the nation's most advanced cardiac care centers. This half day on-site pre-conference will include tours, educational presentations, hands-on skills and case studies that show how EMS and cardiac teams work together to resuscitate and recover patients with devastating cardiac injuries. The latest research and advances in resuscitation, cardiac procedures and artificial heart technologies will be presented by team members using real life case studies from local EMS providers.

Attendees will:

- Tour the cardiac areas of a large university hospital.
- Review the anatomy, physiology and pathology of common cardiac injuries.
- Discuss the therapies used in the emergency department, cardiac catheterization lab, cardiac operating room and cardiac resuscitation unit.
- Be presented with case studies that include myocardial infarctions, sudden cardiac death, post resuscitation shock syndromes and cardiogenic shock.
- Work hands on with the cardiac devices that are in the community today including internal cardiac defibrillators, left ventricular assist devices and total artificial hearts.
- See how a hybrid hospital and EMS based critical care transport team moves critically ill patients for advanced therapies.

(NYS CME: All Levels – Cardiology)

# Conference Workshops

**SATURDAY, OCTOBER 25**

## OPENING SESSION

8:30am–9:45am

### **Heroin, A Nationwide Epidemic: Current Trends and Dangers**

*Edward Beach*

Ed Beach is a Drug Intelligence Officer for the NY/NJ HIDTA (High Intensity Drug Trafficking Area Program), he performs crime analysis for HIDTA task force agencies, local law enforcement and other authorized agencies for a timely and accurate picture of local drug markets. This program is presented throughout New York State to establish working relationships with counterparts in other intelligence activities to exchange pertinent information. Join us and be informed on the most recent information available on the drug epidemic that is taking over the nation. (NYS CME: Additional)

## WORKSHOP SESSION 1

10:15am–11:45am

### **1A BLS**

#### **Multi-Trauma Case Studies**

*Paul A. Werfel, MS, NREMT-P*

This will be a comprehensive and interactive discussion with the objective of fine-tuning the assessment skills of the prehospital practitioner. Participants will systematically examine and assess each patient, suggest and discuss presumptive diagnosis and BLS and ALS treatment modalities. The group will then compare and contrast these findings with the in-hospital diagnosis and treatment modalities. (NYS CME: All Levels – Trauma)

### **1B ALS**

#### **Cardiac Arrest Management**

*Connie J. Mattera, MS, RN, EMT-P*

Cardiac arrest situations require a careful orchestration of many EMS skills: chest compressions, airway access, ventilatory control, vascular access, electrical therapy, circulatory support, dysrhythmia management and the ability to think fast on your feet! The steps are well articulated in algorithms and classes across the country, but are they always applied appropriately or effectively? Why is uninterrupted, quality CPR using a Pit Crew approach essential and how can that best be achieved? What airway access methods are most practical and useful? How can we optimize confirmation of effective ventilations? How can EMS personnel administer drugs and perform rapid defibrillation on a timely basis? Should we be using devices to enhance cardiac compressions and improve circulation? Should we be resuscitating the patient at all? What if we achieve ROSC? What therapies are indicated? These questions and more will be discussed in a case-based approach to treating the pulseless patient. (NYS CME: Shock & Resuscitation/Cardiology)

### **1C EDUCATOR**

#### **Emotional and Social Intelligence: Hillbilly Heaven**

*Christopher Nollette, Ed. D., NREMT-P, LP*

This lecture revolves around what the current research has to say about emotional and social intelligence – the keys to human interaction. This is a must lecture for anyone that has to deal with others in a cooperative and collaborative environment and wants to truly be more effective in day-to-day communications. People don't care how much you know, until they know how much you care. (NYS CME: All Levels – Preparatory)

### **1D OPERATIONS**

#### **Special Ops: Mass Gatherings, Special Events, and Stand-bys**

*Arthur Romano, BA, NREMT-P*

In this talk, Mr. Romano will review the best practices for an EMS agency that engages in the non-traditional role of pre-positioning assets for specific events.

Does your agency send personnel to emergencies before they happen? Are your policies and procedures up to date and complete in guiding your staff on how to treat patients and non-patients alike?

Included in this presentation will be the proper identification of events that require EMS presence, gauging the appropriate level of staffing, pre-planning of operations, logistics and support, as well as patient care considerations. Having your EMS personnel out in the community is a positive in many ways, but can be fraught with pitfalls if you do not prepare for them. Mr. Romano will engage the audience in a complete review of preparedness from the local football game to a large scale event. (NYS CME: All Levels – Additional)

### **1E GENERAL TRACK**

#### **Assessing and Treating Altered Mental Status as an EMT: It's More Than Calling ALS**

*Dan Batsie, BA, NREMT-P*

EMTs play an important role in any EMS system, but in many situations, their valuable skill set is ignored in a rush to bring paramedics to the scene. Although most protocols traditionally call for an ALS response to altered mental status, there are important assessment and treatments steps that need to occur before the paramedic arrives. This class will review the assessment of altered mental status and discuss critical decision-making in the context of a decreased level of consciousness. We will further review the common causes of altered mental status and describe lifesaving basic interventions. Although all levels of care are welcome, this class is primarily designed for emergency responders, EMTs and AEMTs. (NYS CME: All Levels – Neurology)

# Conference Workshops

**SATURDAY, OCTOBER 25**

## WORKSHOP SESSION 2

1:30pm–3pm

### 2A BLS

#### **Guidelines for Field Triage of Trauma Patients**

*Joseph J. Mistovich, MEd, NREMT-P*

A review of the Centers for Disease Control and Prevention and American College of Surgeons Committee on Trauma Guidelines for the triage of trauma patients in the prehospital environment. This session will review the emphasis placed on physiologic and anatomic considerations in trauma triage and transportation and the lessened importance of mechanism of injury alone.

At the conclusion of the session, students will be able to:

- List the four step criteria used in decision-making for trauma triage.
- Explain physiologic criteria used in decision-making for trauma triage.
- Explain anatomic criteria used in decision-making for trauma triage.
- Explain mechanism of injury criteria used in decision-making for trauma triage.
- Explain special consideration criteria used in decision-making for trauma triage.

*(NYS CME: All Levels – Trauma)*

### 2B ALS

#### **Weak, Winded and Woozy... What's Wrong?**

*Connie J. Mattera, MS, RN, EMT-P*

So often patients present as an enigma. Dozens claim weakness, lightheadedness, syncope, shortness of breath and exercise intolerance as chief complaints. This could be anything from soup to nuts, but just might be the prelude to disaster. Let's explore the world of differentials as participants learn the art of a combining a thorough history, careful physical exam, and good old-fashioned gut instinct to divining the real reason for the call and providing just the right care. EMS responders must be able to think critically... let's see how you do in a fun journey out-chasing the zebras. *(NYS CME: All Levels – Patient Assessment)*

You are **strongly** encouraged to indicate the workshop of your choice prior to the conference. We cannot guarantee admission to a session without pre-registering.

### 2C EDUCATOR

#### **Mentoring: Raising the Dead in our Profession**

*Christopher Nollette, Ed. D., NREMT-P, LP*

This lecture revolves around what the current research has to say about mentoring and its effects on a profession. This is a must lecture for anyone who has to deal with others in a cooperative and collaborative environment and want to truly be more effective in our day-to-day contact as EMS professionals.

At the completion of this lecture:

- The participants will value the importance of mentoring in their personal and professional lives.
- The participants will evaluate the strategies of mentoring and be able to use these strategies to create crucial conversations.

*(NYS CME: All Levels – Preparatory)*

### 2D OPERATIONS

#### **To Be Announced**

### 2E GENERAL

#### **Human Trafficking Situations in EMS**

*Dan Batsie, BA, NREMT-P*

There are more slaves in the world today than there were at the height of the transatlantic slave trade in the nineteenth century. Whether it be in the sex trade, migrant farming or the even in the hospitality industry, more than 3 million people fall into forced slavery every day. Throughout our communities, both urban and rural, EMS providers are encountering these victims of human trafficking on a regular basis, but sadly far too many of these situations go unrecognized. As a member of public safety, EMTs and paramedics can provide a critical resource and may be a vital element in offering these victims a way out. This class will provide an overview of the pandemic of human trafficking as well as describe key scene and patient recognition features. We will further discuss important resources and response strategies every provider should know with regard to handling a potential human trafficking situation. All levels are welcome. *(NYS CME: All Levels – Special Needs Patients/Abuse and Assault)*

# Conference Workshops

**SATURDAY, OCTOBER 25**

## WORKSHOP SESSION 3

3:30pm–5pm

### 3A BLS

#### **Differential Diagnosis: A Disciplined Approach to Medical Emergencies**

*David Gurchiek, Ph.D., NREMT-P*

Critical thinking and communication are two of the most important qualities any EMS provider brings to the scene. Add some street sense and a competent assessment style and you have the makings of a strong patient evaluation system. However, even the most seasoned prehospital provider sometimes falls victim to “tunnel vision” when it comes to developing the correct field impression of a medical emergency. Utilizing interactive patient scenarios, Dr. Gurchiek walks you through a rule-in systematic approach in dealing with the differential diagnosis of medical patients. Attend this presentation to better prepare for that next ambiguous medical call. *(NYS CME: All Levels – Patient Assessment)*

### 3B ALS

#### **Caring for Chronically Ill Children**

*Elizabeth Murray, MD*

The care of chronically ill children can be as complex and varied as their medical condition. Dr. Murray will discuss common pitfalls encountered by EMS, engaging parents of chronically ill children, and programs currently in development to help with EMS awareness of medically fragile children within their response region. *(NYS CME: All Levels – Special Needs Patients/Pediatrics)*

### 3C EDUCATOR

#### **The Essence of EMS Education**

*Paul A. Werfel, MS, NREMT-P*

Are there qualities that the most successful EMS educators have? Sure! What are these qualities? And how do we get them? Led by long time educator and JEMS Case of the Month author, Paul Werfel, participants will systematically examine the things that go into making a great instructor. We will also discuss the application of these qualities in the modern EMS classroom. *(NYS CME: All Levels – Additional)*

### 3D OPERATIONS

#### **Operational Vegetable Soup**

*Daniel Clayton, Deputy Director Operations and Operations Staff*

CONs, C/S, DOH 206, Policy Statement 13-10, 13-09... oh my!!!

Come hear the BEMS operational staff provide the latest pearls of wisdom on all things operational. From the birth of an agency (certificate of need) till its death (Policy 13-09,) and all matters in between including controlled substance concerns, changes to forms used and how to recertify your agency. Learn how to navigate the new streamlined process which will make your life easier. If time allows, a question and answer session will follow. *(NYS CME: All Levels – Preparatory)*

### 3E GENERAL

#### **Obstetrics: Antepartum Emergencies**

*Joseph J. Mistovich, MEd, NREMT-P*

Managing common complications associated with pregnancy may not be all that common for prehospital care providers; however, these conditions may be life-threatening to both the pregnant patient and the fetus. This session will review the common pathophysiology of antepartum complications, signs and symptoms, assessment strategies, and current emergency management.

At the conclusion of the session, students will be able to:

- Define common antepartum complications including abruptio placenta, placenta previa, eclampsia, and ectopic pregnancy.
- List and describe signs and symptoms associated with antepartum complications.

*(NYS CME: All Levels – Gynecology and Obstetrics)*

# Conference Workshops

**SUNDAY, OCTOBER 26**

## CLOSING SESSION

8:30am–9:45am

### **The Aftermath: The Days Following the Christmas Eve Ambush in West Webster**

*Al Sienkiewicz, PIO and Treasurer for WWFD, Past Chief of WWFD, Monroe County Deputy Fire Coordinator*

*John Semmler, Commissioner of WWFD, Past Chief of WWFD, FF St. Paul Boulevard Fire District*

*Timothy Kohlmeier, Past Captain of WWFD, Captain Ridge Culver Fire District*

This presentation highlights the issues your organization may face in dealing with a high profile line of duty death. We look at the event, the need to quickly fill critical positions, issues with social media, fundraising, and the logistics of organizing the public safety support that will be coming your way. Dedicated, well-meaning members need to be assigned and organized in a manner that will maximize their effectiveness yet be sensitive to the highly emotional environment everyone is working in.

## WORKSHOP SESSION 4

10:15am–11:45am

### **4A BLS**

#### **Johnny's Sick Today: Predictable Pediatric Problems**

*David Gurchiek, Ph.D., NREMT-P*

Utilizing interactive patient scenarios, Dr. Gurchiek discusses some of the most apprehensive calls EMS providers respond to regarding critical thinking and clinical judgment. Rapid evaluation and early treatment intervention is the foundation of the pediatric care plan. There are many unique aspects to providing emergency care to children in the prehospital setting. The question is “Are you really prepared for your next pediatric patient?” This is a must-see presentation for all levels of EMS providers.

Objectives:

- Describe techniques for successful assessment of infants and children.
- Describe techniques for successful treatment of infants and children.
- Identify the common responses of families to acute illness or injury of an infant or child.

*(NYS CME: All Levels – Special Needs Patients/Pediatrics)*

### **4B ALS**

#### **Why Suxx Sucks and How RSI is Done Right**

*Christopher Suprun NREMT-P*

This session will cover Rapid Sequence Intubation from the perspective of not only procedure and drug choices, but also the QI and legal implications of misplaced ET tubes. This session will focus on adult RSI, but will also consider pediatric literature. RSI is not the latest and greatest toy, but a very special tool that has significant ramifications for the underprepared user.

Objectives:

- List various drugs used for sedation and induction of paralysis in RSI.
- Discuss research that covers airway management via ETI/RSI and its relative value.
- List factors in developing a RSI program.
- List “must-have” factors to utilize in confirming ETI.

*(NYS CME: All Levels – Airway)*

### **4C EDUCATOR**

#### **The Future of EMS Education is Upon Us**

*Andrew Johnson, Deputy Director Education and Education Staff*

Come and join the staff of the Bureau's Education Unit to see what's happening in the world of education. We will discuss how the implementation of the National Education Standards has been going as well as new trends in exam scores. Share some of your best practices with other educators. This is a chance for course sponsor administrators, instructors, and providers to learn what direction NYS is moving in. From original certification courses to the CME program to Community Paramedicine and everything in-between. *(NYS CME: All Levels – Additional)*

### **4D OPERATIONS**

#### **The Adventures of an EMS Career**

*Edward Gabriel, Principal Deputy Assistant Secretary/ASPR*

Mr. Gabriel has had a long and illustrious career in EMS, public safety, and emergency management. After spending 26 years as an EMT/paramedic in New York City, rising to the position of Assistant Chief/Division Commander of EMS and serving as the Deputy Commissioner for Planning and Preparedness, he joined the Walt Disney Company as the Director of Global Crisis Management and Business Continuity. In 2011, Ed returned to public service and currently is the Principal Deputy Assistant Secretary for Preparedness and Response for the U.S. Department of Health and Human Services. Join him for a humorous look at the lessons he learned thorough his diverse career. These lessons will help you gain perspective and understand how your essential role fits into the bigger picture. *(NYS CME: All Levels – Additional)*

# Conference Workshops

**SUNDAY, OCTOBER 26**

**4E GENERAL**

**LifeVest Wearable Defibrillator**

*Russell Lyons*

A patient wears this lightweight garment that has built in electrodes for constant monitoring of the heart and therapy pads for immediate therapy (treatment shock) if a life-threatening ventricular arrhythmia is detected (VT or VF) with no bystander assistance. The community is seeing a larger number of patients wearing these devices at home as individuals are discharged from the hospital given their risk of sudden cardiac arrest after a heart attack, post bypass or CHF, to name a few conditions. The goal of this presentation is to educate the audience on the device as they arrive to a patient's home who has a LifeVest on and inform how to decide if it needs to stay on or be removed given the alerts coming from the device. (NYS CME: EMT/AEMT – Shock and Resuscitation; Critical Care/Paramedic – Cardiology)

**WORKSHOP SESSION 5**

1:30pm–3pm

**5A BLS**

**Rapid Case Studies: It's Not Your Typical Run Review**

*David Gurchiek, Ph.D., NREMT-P*

Haven't had any interesting calls lately? Do you need to be challenged? Have you been told that you have a short attention span? If you answered yes to any of the above questions, then may we suggest attending this interactive presentation? Ride along with Medic One as Dr. Gurchiek presents some interesting calls in a brief, lively, concise arrangement. Attend this presentation to learn some key educational concepts in an accelerated format. (NYS CME: All Levels – Additional)

**5B ALS**

**Acute Stroke Care and EMS**

*Bryan Gargano, MD*

Acute stroke care is critically time sensitive – arguably more time sensitive than STEMI care! Rapidly identifying stroke patients and providing an efficient prehospital evaluation is critical to these emergent patients. Prehospital care around the world has recognized this and there are increasing changes seen in how NYS emergency departments are managing these patients based on the information provided by EMS in the pre notification. Prehospital providers must be aware of this environment and armed with the tools needed to provide exceptional care. Tips and hints will be provided to help the prehospital provider obtain a succinct yet comprehensive history, document the record for the patient's benefit, and how to provide that crucial hand off at the emergency department. This session will highlight the existing EMS protocol for stroke and the role

EMS plays in the timely activation of the stroke team. Participants will leave with a better understanding of the evolution of acute stroke care, the critical role of pre hospital care, and with ideas on how to improve stroke patient care in their region. (NYS CME: All Levels – Neurology)

**5C EDUCATOR**

**Bart, Calvin and Dennis: Dealing with Difficult Students**

*Christopher Suprun, NREMT-P*

We all have our favorite students... the know-it-all who doesn't test well, the student who "deserves" to pass because of their other commitments, and so forth. This class will take the educator through the process of creating class rules that help prevent the troublesome student from creating a troublesome classroom. (NYS CME: All Levels – Additional)

**5D OPERATIONS**

**The Best Kept Secrets in Public Health, Medical Preparedness and Response That The Feds Want You to Know**

*Edward Gabriel, Principal Deputy Assistant Secretary/ASPR*

Mr. Gabriel, Principal Deputy Assistant Secretary for Preparedness and Response at the U.S. Department of Health and Human Services, will provide an overview of federal initiatives at HHS that addresses the EMS community. He will highlight programs at the Office of the Assistant Secretary for Preparedness and Response to enhance state, regional, and local preparedness, including policies and plans relating to health system preparedness and response, emergency care, and pre-hospital care. Participants will learn about innovative technologies and critical medical countermeasures for use by EMS responders, and other medical providers, against public health, terrorist and emerging infectious disease threats. Come find out how HHS ASPR's federal emergency preparedness and response is connected to local, regional and state preparedness, response and EMS providers. (NYS CME: All Levels – Operations)

**5E GENERAL**

**An Introduction to Mountain Medicine: Acute Mountain Sickness and Cold Injuries**

*Daniel Shocket, MD, MPH &TM*

A brief introduction to a segment of wilderness medicine: mountain medicine. We will discuss some of the physiologic changes that occur at high altitude, the various types of acute mountain sickness including high altitude cerebral edema (HACE) and high altitude pulmonary edema (HAPE), along with discussing the difference in terminology and treatment between frost bite, frost nip, and other cold injuries. (NYS CME: EMT/AEMT – Trauma; Critical Care/Paramedic – Environmental)

# Conference Information

## RECEPTION

Friday, October 24  
5:30pm–7pm

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. There will be a \$10 fee for those not registered with the conference. The Exhibit Hall will remain open until 8:30pm.

## BADGES

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

## BREAKS AND LUNCHES

Beverage breaks will be situated near the Exhibit Hall of the Convention Center. Please check the schedule for specific break times. Rochester has several restaurants within walking distance or a short drive from the Convention Center. However, for those who prefer not to visit local eateries, the Convention Center concession stands will be selling breakfast snacks in the early morning and light lunches for your convenience.

## CONTINUING EDUCATION

An application for continuing education accreditation has been submitted to the Center for Healthcare Education, Inc. for EMTs and paramedics. Physicians and nurses may apply for credit on-site for a nominal fee. Center for Healthcare Education, Inc. is a nationally recognized provider of quality continuing education courses. Each speaker, session and workshop is approved by a panel of medical experts to insure that participants receive up-to-date information relevant to the practice of emergency medicine and prehospital care.

Participants may receive hour for hour continuing education credit for each course attended. National regulations require submission of a brief post test for each session attended. At the end of the conference all post tests will be available online and must be submitted to Center for Healthcare Education for processing. Within five weeks after the conference you will receive your certificate documenting your continuing education hours. The NYS Bureau of Emergency Medical Services does not grant continuing education credits directly.

## NYS CME-BASED RECERTIFICATION PROGRAM

All CME hours for this year's conference have been authenticated and approved by a CIC for use in the NYS CME Program and the majority 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 certificate from the Center for Healthcare Education. These must be provided to your EMS agency and placed in your NYS CME Program file. Additional information may be available on our web site at [www.vitalsignsconference.com](http://www.vitalsignsconference.com).

## PARKING

There is a parking garage adjacent to the Convention Center at a variable rate. Please be aware that parking fees in other lots or garages in the area may be more costly.

## BUSES

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

## EXHIBITS

Included in the price of registration is access to the exhibit hall. **You must wear your name badge to enter the exhibit hall.** Please check the conference brochure for exhibit hours. Neither the NYSDOH, Bureau of EMS or Health Research, Inc. accepts responsibility in attendee dealings with exhibitors.

## REFUNDS/CANCELLATIONS

If you are unable to attend and wish a refund, a written notice of cancellation must be sent to the NYSDOH Bureau of EMS post-marked on or before October 3, 2014. A 25% cancellation fee must be charged. No refunds will be granted after October 3, 2014.

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

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

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

## REGISTRATION

If not registering online, a check or money order made payable to **Health Research, Inc., EMS Conference** for the total amount due must accompany either the online summary page or the completed registration form. We are unable to accept purchase orders or vouchers.

Upon receipt of your conference registration, a receipt will be e-mailed to you. To receive your conference materials please present your receipt at the registration desk.

**You will need to show identification to receive your packet.**



Save the Date!

**VITAL**  
  
**SIGNS**  
**2015**

Syracuse, NY

**October 22-25, 2015**





# Credit Card Order Form

Vital Signs New York State EMS Conference  
October 22-26, 2014  
Rochester Riverside Convention Center  
Rochester, NY

- No registrations will be accepted over the phone.
- Health Research, Inc. will appear as the transaction on your credit card statement.

Name That Appears On Card \_\_\_\_\_

Address 1 \_\_\_\_\_

Address 2 \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Day Phone ( \_\_\_\_\_ ) \_\_\_\_\_ Evening Phone ( \_\_\_\_\_ ) \_\_\_\_\_

Name of Individual Placing Order \_\_\_\_\_

I authorize Health Research, Inc. to charge my credit card for the services as described.

Signature of Cardholder X \_\_\_\_\_

Credit Card Type  Visa  MasterCard  American Express

Credit Card Number     -     -     -

Expiration Date \_\_\_\_ / \_\_\_\_ Amount Charged \$ \_\_\_\_\_

Please note that all credit cards must be valid through the dates of the event.

### FOR HRI USE ONLY

Transaction Processed (Circle One)    Approved    Declined

Amount Charged \$ \_\_\_\_\_ Settlement Date \_\_\_\_\_

Visit us at [vitalsignsconference.com](http://vitalsignsconference.com)

# Housing Registration Instructions

## ROOM RESERVATION INSTRUCTIONS: PLEASE READ CAREFULLY

### GENERAL INFORMATION

The DePrez Travel Bureau will be managing the housing for this conference. Please do not contact the hotels directly. Failure to reserve your rooms through DePrez Travel may result in higher room rates, removal from the block, or may keep you from receiving necessary convention materials or information. Official cut off dates for discounted room reservations is September 19, 2014.

### SUBMITTING YOUR RESERVATION

To make your hotel reservation for the 2014 Conference, please visit the Vital Signs website at [www.vitalsignsconference.com](http://www.vitalsignsconference.com) and scroll down to the hotel link. There you will find the descriptions of the hotels, an interactive map, and the electronic reservation form. Once you complete the online process, you will receive an immediate e-mail confirmation of the reservation to the e-mail address you provide on your form. If you need to reserve more than one room, please submit a form for each individual room, with a different name for each. Please have any necessary name changes to DePrez by Friday, September 5. Complete instructions on how to do so are contained in the hotel confirmation you will receive. Special requests should be detailed in the space provided on the electronic form. Please remember they are requests and your hotel will do their best to fulfill them.

### ATTENDEE REFERENCE NUMBER

This number will appear in your email confirmation and is an internal DePrez tracking number ONLY. This number holds no significance at the hotel. For an actual hotel confirmation number for your reservation, contact your confirmed hotel within 15 days of your arrival date.

IF YOU DO NOT RECEIVE AN E-MAIL CONFIRMATION, or to inquire about your reservation at any time during the process, please contact DePrez Travel at 1-877-GRVA-111 (478-2111) during the office hours of Monday-Friday, 8:00 AM-5:00 PM EST.

### REQUIRED CREDIT CARD GUARANTEE

All reservations must include a valid credit card that expires after October 2014. If you wish to guarantee your room with an advance deposit, please do not book online. Contact us at the number given and an associate will assist you in your booking.

### CANCELLATION PENALTY

You will be charged one night's room and tax for any reservation cancelled within two (2) weeks of your scheduled arrival date.

## Hotel Information

### RADISSON RIVERSIDE HOTEL

Nestled on the banks of the Genesee River, the Rochester Radisson Riverside Hotel is centrally located in downtown Rochester. The hotel is connected to the Rochester Riverside Convention Center via an enclosed skyway system.

*Hotel Features: Bar/Lounge, Business Center, Complimentary Coffee/Tea, Gift Shop, Health Club, ADA Accessible Rooms, Laundry/Dry Cleaning, Restaurant, Room Service, Outdoor Swimming Pool.*

*Room Features: Alarm Clock, Complimentary High-Speed Wireless Internet, Television, Cable/Satellite, Pay Movies, Two Telephones, Hair Dryer, Iron and Ironing Board.*

**\$125 Single/Double, Triple or Quad**

### HYATT REGENCY HOTEL

Discover the perfect blend of location, style and amenities at Hyatt Regency Rochester. No matter what brings you to our city, you'll find our newly renovated downtown Rochester hotel is always the ideal choice. Take advantage of our central setting to enjoy a comfortable stroll to the convention center-attached by a convenient covered skyway.

*Hotel Features: Bar/Lounge, Business Center, Complimentary Coffee, Gift Shop, Health Club, ADA Accessible Rooms, Hot Tub, Laundry/Dry Cleaning, Restaurant, Room Service, Indoor Swimming Pool.*

*Room Features: Alarm Clock, Wireless High-Speed Internet Access, Television, Cable/Satellite, Pay Movies, Hair Dryer, Individual Climate Control, Iron and Ironing Board.*

**\$127 Single/Double, Triple or Quad**

### ROCHESTER PLAZA HOTEL

Formerly the Crowne Plaza Rochester, located in the center of the city on the Genesee River, the hotel is adjacent to the historic High Falls neighborhood and the East End entertainment district.

*Hotel Features: Bar/Lounge, Business Center, Complimentary Coffee/Tea, Gift Shop, Health Club, ADA Accessible Rooms, Hot Tubs, Laundry/Dry Cleaning, Restaurant, Room Service, Outdoor Swimming Pool.*

*Room Features: Alarm Clock, Complimentary High-Speed Wireless Internet, Television, Cable/Satellite, Pay Movies, Two Telephones, Hair Dryer, Iron and Ironing Board.*

**\$125 Single/Double, Triple or Quad**

# Directions

## FROM THE EAST

- Take Thruway (90 West).
- Take 490 West (Exit 45) to Rochester.
- Follow signs to Downtown.
- Exit Clinton Avenue.
- Merge onto Clinton Avenue.
- 3 traffic lights to Broad Street.
- Left onto Broad Street.
- Go through 1 light.
- Make a right into South Avenue Parking Garage. The Convention Center is connected to the garage.

## FROM WEBSTER AREA

- Take 590 South to 490 West.
- Follow directions under “From the East” beginning at 490.

## FROM SOUTHERN TIER AND AIRPORT

- Take 390 North to Rochester.
- Take 490 East (Downtown).
- Exit Inner Loop East (Exit 13).
- Exit St. Paul Street.
- Turn right onto St. Paul Ramp.
- Go through 4 traffic lights (crossing over Main Street) to South Avenue Parking Garage on the left. The Convention Center is connected to the garage.

## FROM THE WEST

- Take Thruway (90 East).
- Take 490 East (Exit 47) to Downtown.
- Exit Inner Loop East (Exit 13).
- Exit St. Paul Street.
- Turn right onto Pearl Street.
- Go through 4 traffic lights (crossing over Main Street) to the South Avenue Parking Garage on the left. The Convention Center is connected to the garage.

## FROM GREECE

- Take 390 South to 490 East.
- Follow directions under “From the West” beginning at 490.

## FROM HAMLIN, HILTON, BROCKPORT & SPENCERPORT

- Take 531 East.
- Take 490 East.
- Follow directions “From the West” beginning at 490.



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