



# Vital Signs 2016 EMS Conference

October 13-16, 2016  
Oncenter, Syracuse, New York

[vitalsignsconference.com](http://vitalsignsconference.com)  
518-402-0996



New Look,  
Same Great  
Conference!

# Conference Program

## THURSDAY, OCTOBER 13

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

## FRIDAY, OCTOBER 14

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

## SATURDAY, OCTOBER 15

- 7:30am** Registration Opens
- 7:45am** Exhibit Area Opens
- 8am–8:30am** Welcome: Opening Ceremonies  
NYS EMS Awards Presentation
- 8:30am–9:45am** Opening Session: Johnny and Roy  
Meet Crocodile Dundee: EMS in the  
Land “Down Under”.. What Australian  
EMS Can Teach the United States
- 9:45am–10:30am** **Break**
- 10:30am–12pm** **SESSION 1**
  - 1A BLS** Obstetrics: Antepartum Emergencies
  - 1B ALS** Bariatric Surgery for EMS:  
The Risks and Complications  
We Need To Be Aware Of
  - 1C EDUCATOR** Fast and Furious: 75 Facts  
in 75 Minutes
  - 1D OPERATIONS** How Not To Be Wrong When  
Everything Is On the Line: Critical  
Thinking and Decision Making  
in EMS
  - 1E GENERAL** EMS Compass – Improving Systems of  
Care Through Meaningful Measures
- 12pm–1:30pm** **Lunch** (On Your Own)
- 1:30pm–3pm** **SESSION 2**
  - 2A BLS** Chest Trauma
  - 2B ALS** Make the Right Call: STEMI Mimics,  
Part 1
  - 2C EDUCATOR** Beyond the NYS Paperwork –  
A Resource for EMS Instruction
  - 2D OPERATIONS** Who Gets Sued and Why?
  - 2E GENERAL** Unable to Ventilate: When a Basic  
Airway Fails

## SATURDAY, OCTOBER 15 (continued)

- 3pm–3:30pm** **Break**
- 4pm** Exhibit Area Closes
- 4pm–5:30pm** **SESSION 3**
  - 3A BLS** What Can My Brain Tell Me?
  - 3B ALS** Make the Right Call: STEMI Mimics,  
Part 2
  - 3C EDUCATOR** Affect and Effect: Creating a  
Well-Behaved EMT
  - 3D OPERATIONS** Operations Update
  - 3E GENERAL** The aCUTE Abdomen

## SUNDAY, OCTOBER 16

- 8:00am** Registration Opens
- 8:15am** National and New York State  
EMS Memorial Service
- 8:30am–9:45am** Closing Session:  
When Your Patient Reaches  
the Breaking Point
- 7:45am** Exhibit Area Opens
- 9:45am–10:30am** **Break**
- 10:30am–12pm** **SESSION 4**
  - 4A BLS** Differential Diagnosis: A Disciplined  
Approach To Medical Emergencies
  - 4B ALS** Changes in the New York State  
Trauma System and What It Means  
to You
  - 4C EDUCATOR** NYS EMS Education Update
  - 4D OPERATIONS** To Pee Is to Be
  - 4E GENERAL** Trends in Substance Abuse, Part 1
- 12pm–1:30pm** **Lunch** (On Your Own)
- 1:30pm** Exhibit Area Closes
- 1:30pm–3pm** **SESSION 5**
  - 5A BLS** Defensive Tactics for Offensive  
Scenes
  - 5B ALS** TBA
  - 5C EDUCATOR** MedBots: Mobile Virtual Medic  
Students
  - 5D OPERATIONS** Landon’s Journey
  - 5E GENERAL** Trends in Substance Abuse, Part 2

# Two-Day Preconference Workshops

THURSDAY, OCTOBER 13 and FRIDAY, OCTOBER 14

## PRECONFERENCE 1

### BLS Core Content Refresher

8am–5pm

Joseph J. Mistovich, MEd, NREMT-P

Dan Batsie, BA, NREMT-P

Dan Limmer, NREMT-P

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 2 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 2015, this workshop will complete your BLS core content requirements. For others, 2016 offers an opportunity to “get started” in meeting your core requirements, or to “add on to” core training you have obtained elsewhere. 2016 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 Administration/  
Emergency Medications  
Immunology/Toxicology  
Endocrine/Neurology
- 1 Abdominal/Geni-Renal/GI/Hematology
- 1 Respiratory
- 1 Psychiatric
- 1 Cardiology
- 1 Shock and Resuscitation
- 2 Trauma
- 1 Geriatrics
- 2 OB/Neonate/Pediatrics  
Special Needs Patients
- 1 EMS Operations
- 1 Additional Elective

**16 Total Hours**

## PRECONFERENCE 2

### ALS Core Content Refresher

8am–5pm

Paul Werfel, MS, NREMT-P

Arthur Romano, BA, NREMT-P

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 who attended Vital Signs 2014 and 2015, 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. 2016 alone will not meet all of the required Core Refresher Training.

Subject areas to be covered:

Paramedic Hours	CC Hours	AEMT Hours	Topic Area
2	2	2	Preparatory
		2	Pharmacology
2	2	2	Airway Management
4	3	4	Trauma
–	–	2	Patient Assessment
–	–	4	Medical
2	–	–	Pulmonary & Cardiology
–	2	–	Respiratory & Cardiac Emergencies
1	–	–	Neuro/Endocrine/Anaphylaxis
–	1	–	Allergic Reactions & Poisoning
–	2	–	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	–	–	Environmental Conditions/Infectious and Communicable Diseases/Behavioral
1	–	–	Patients with Special Needs/Acute Care
<b>16</b>	<b>16</b>	<b>16</b>	<b>Total Hours</b>

\*Pediatric content also covered in other Paramedic Medical sections.

For detailed information, visit us at  
**vitalsignsconference.com**  
and register today!

# One-Day Preconference Workshops

**FRIDAY, OCTOBER 14**

## **PRECONFERENCE 3**

### **Safely Addressing Violent Encounters (S.A.V.E.)**

8am–5pm

*Protective Consulting Solutions*

Proper patient physical restraint has become a major topic of discussion amongst EMS providers. Unfortunately, lack of training has resulted in both legal issues and injuries to patients and providers alike. The ability to properly control an agitated patient has become more important than ever! Restraint protocols have been established, unfortunately without standardized guideline. Until now, little if any training is provided to properly prepare you to exercise the critical skill of patient restraint.

This hands-on and interactive program is specifically designed to train personnel to physically control patients in need of medical care. The use of medically sound and legally accepted techniques are reinforced throughout the program. *(NYS CME: Medicine/Psychiatric/Behavioral; 4.5 hours, Preparatory 2.5 hours)*

## **PRECONFERENCE 4**

### **Refining Your Classroom Vision**

8am–12pm

*Dan Limmer, NREMT-P*

From standards to science to testing, EMS education is rapidly changing. Has your classroom changed with times? As classroom hours increased, many educators expanded what they usually do to simply cover more hours. This session is an opportunity for educators to build a toolbox of strategies for dynamic and more efficient learning. Using a combination of group and individual activities, participants will choose a topic or topics and create objectives, activities and test questions to support a new and dynamic classroom vision. *(NYS CME: All Levels – Additional)*

## **PRECONFERENCE 5**

### **Problem-based and Case-based Learning Workshop**

1pm–5pm

*Dan Limmer, NREMT-P*

Educators are always looking for ways to make classes more active while enhancing student's thinking and problem solving skills. Case studies and problem-based approaches are an effective, yet challenging way of doing this. But what are good case studies and scenarios? How are they made? Can they be used over multiple classes? This session will answer these questions. As part of this session, educators will create, critique, present and share case studies and scenarios with the group.

In order to create, submit and present items created in the class, participants are encouraged to bring a notebook or tablet computer to this session. *(NYS CME: All Levels – Additional)*

# One-Day Preconference Workshops

FRIDAY, OCTOBER 14

## PRECONFERENCE 6

### Gross Anatomy

8am–1pm

*N. Barry Berg, PhD  
Jennifer Campoli, DO  
Derek Cooney, MD, FF-NREMT, FACEP  
Jeremy Joslin, MD, FAWN  
Christian Knutsen, MD  
Douglas Sandbrook, MA, NREMT*

This acclaimed program will provide you with a deeper and more comprehensive knowledge of anatomy and physiology in a unique and exciting learning environment. Working alongside Upstate Medical University faculty in the gross anatomy lab, you will review various body systems and relevant pathologies through discussion, observation and cadaver dissection. Take your classroom experience and knowledge to the next level by actually going inside the body to see what, up until now, you have only read about.

*Maximum 24 students (minimum certification EMT-CC). Transportation to/from Oncenter provided, please arrive by 7:45am. Students must bring scrubs to wear in the gross anatomy lab; a change of clothes is highly recommended. Please be advised you may be standing for long periods of time.*

*(NYS CME: All Levels – Preparatory)*

## PRECONFERENCE 7

### Gross Anatomy: Procedures Lab

8am–5pm

*N. Barry Berg, PhD  
Jennifer Campoli, DO  
Derek Cooney, MD, FF-NREMT, FACEP  
Jeremy Joslin, MD, FAWN  
Christian Knutsen, MD  
Douglas Sandbrook, MA, NREMT*

Upstate Medical University, Department of Emergency Medicine, in conjunction with the Cell and Developmental Biology Department, present this unique educational opportunity for the EMS community.

This program includes the Gross Anatomy: A Review of Systems and Pathophysiology in the morning session. Following a break for lunch participants will enter the gross anatomy lab to practice and learn essential skills with Upstate Medical University, Department of Emergency Medicine faculty. Students will perform procedures on cadavers and learn alongside nationally recognized faculty. Skills will focus on airway management, venous access, intraosseous access utilizing various insertion sites and techniques, management of chest trauma, field amputation demonstration. A certified instructor coordinator will be available to affirm your skills for CME recertification or regional credentialing, if needed.

*Lunch provided. Maximum 24 students (minimum certification EMT-CC). Transportation to/from Oncenter provided, please arrive by 7:45am. Students must bring scrubs to wear in the gross anatomy lab; a change of clothes is highly recommended. Please be advised you may be standing for long periods of time.*

*(NYS CME: All Levels – Preparatory)*

# Conference Workshops

## SATURDAY, OCTOBER 15

### OPENING SESSION

8:30am–9:45am

#### **Johnny and Roy Meet Crocodile Dundee: EMS in the Land “Down Under”... What Australian EMS Can Teach the United States**

*David Page, MS, NREMT-P*

The Australian EMS system has much to teach us. This interactive presentation will explore some common challenges and different ways in which our Aussie counterparts have solved them. Technology willing, we will include a live feed from EMS professionals in Australia for a question/answer session. (NYS CME: Non-Core – All Levels)

### WORKSHOP SESSION 1

10:30am–12:00pm

#### **1A BLS**

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

*Joseph J. Mistovich, MS, 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. (NYS CME: Obstetrics – All Levels)

#### **1B ALS**

##### **Bariatric Surgery for EMS: The Risks and Complications We Need to Be Aware Of**

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

Weight loss surgery is being performed in record numbers in this country. While we all hear reports of stunning successes, the research is pretty clear that not everyone lives happily ever after. Please join long time presenter and author Paul Werfel in this new and insightful look into the burgeoning area of concern for EMS providers. (NYS CME: Non-Core – All Levels)

#### **1C EDUCATOR**

##### **Fast and Furious: 75 Facts in 75 Minutes**

*Dan Limmer, NREMT-P*

How do you pack a lot of learning in a short time? Join EMS Author and Educator Dan Limmer in this fast-paced presentation and find out. He’s chosen 75 things you should know from preparatory to pediatrics. Some cutting edge – some great review. Don’t worry, there will even be time for questions. You’ll be able to download the handout so don’t worry about taking notes. Come in, sit down, hold on and learn! (NYS CME: Non-Core – All Levels)

#### **1D OPERATIONS**

##### **How Not to Be Wrong When Everything Is On the Line: Critical Thinking and Decision-making in EMS**

*Dan Batsie, BA, NREMT-P*

Safety, assessment, patient care... the success of an EMS practitioner is judged on the quality of their critical decisions. Every day EMTs are forced to critically think their way through complicated operational and care related situations under the worst possible circumstances, often with life threatening consequences. Making good decisions is more than just relying upon luck. Strategies exist to improve mental performance under stress. This scenario based class will discuss the limitations of cognition when faced with situational challenges. More importantly, it will describe specific practices to improve decision making and enhance mental performance under stress. All levels are welcome. (NYS CME: Preparatory – All Levels)

# Conference Workshops

## SATURDAY, OCTOBER 15

### 1E GENERAL TRACK

#### EMS Compass – Improving Systems of Care Through Meaningful Measures

David Page, MS, NREMT-P

Anyone who's completed a patient care report knows how much data is being collected today in the field of EMS. The important question is, where is that data going, and why? The EMS Compass initiative is designing performance measures that will revolutionize how we measure the impact of an EMS system. Therefore, EMS managers and EMS providers at every level need to understand why and how these measures may impact how we respond to calls, treat patients, and how we get paid in the future. This important session will explain how measuring performance will make you a better EMS practitioner and your service part of a better system of care. You'll hear from the perspective of both an EMS educator and paramedic on this important Federal initiative. (NYS CME: Non-Core – All Levels)

### LOGO

#### WORKSHOP SESSION 2

1:30pm–3pm

### 2A BLS

#### Chest Trauma

Joseph J. Mistovich, MEd, NREMT-P

Many chest injuries can present with common signs and symptoms of other conditions or other related chest injuries especially during the initial impression. This session will provide a method of quickly identifying the various chest injuries using the most basic information collected in the initial phases of the assessment. (NYS CME: Trauma – All Levels)

### 2B ALS

#### Make the Right Call: STEMI Mimics, Part 1

Tom Bouthillet, Fire Captain, EMT-P

We all know the importance of identifying ST-elevation on the 12-lead ECG so we can identify patients who are eligible for reperfusion therapy. But did you know that acute STEMI is not the most common cause of ST-elevation among chest pain patients?

In part 1 of this 2-part series, Tom Bouthillet covers the most common STEMI mimics including left ventricular hypertrophy, paced rhythm, left bundle branch block, early repolarization, and pericarditis, along with tips for identifying true STEMI on the 12-lead ECG. (NYS CME: All Levels – Cardiology/Cardiovascular)

### 2C EDUCATOR

#### Beyond the NYS Paperwork – A Resource for EMS Instruction

Paul A. Werfel, MS, NREMT-P

All instructors learn how to teach material. The fact that we tend to use created curriculum, lessons and PowerPoints tends to make the job easier for the most part. That is, until things begin to change quickly in the science. Book publishers cannot hope to keep up with the state of the art. What happens when the instructor needs to create the lesson plan/PowerPoint/objectives? Within this presentation, we will discuss cognitive, psychomotor and affective aspects of developing a training session including the development of objectives and EMS scenarios. (NYS CME: Non-Core – All Levels)

### 2D OPERATIONS

#### Who Gets Sued and Why?

Arthur Romano, BA, NREMT-P

In this talk, Mr. Romano will utilize a case studies approach to learning what vulnerabilities exist among individual practitioners and EMS systems to litigation. Actual legal proceedings will illustrate what common events expose us to possible suit, even when best practices are implemented. In addition, popular misconceptions regarding legal exposure will be discussed, including fears of litigation that are unfounded. (NYS CME: Preparatory – All Levels)

### 2E GENERAL

#### Unable to Ventilate: When a Basic Airway Fails

Dan Batsie, BA, NREMT-P

There is a common assumption that when all else fails in airway management, we will simply “go back to basics” and ventilate using the skills taught in any EMT class. But what happens when basic airway maneuvers fail? What if those basic maneuvers are all you have? This class will describe a simplified approach to failed airway the basic level. We will describe key troubleshooting steps within the context of the EMT's scope of practice and describe how to manage a worst-case scenario without the aid of advanced techniques. We will describe how this approach can be used by advanced providers as part of a larger failed airway algorithm, but focus primarily on the EMT. All levels are welcome. (NYS CME: Airway – All Levels)

# Conference Workshops

## SATURDAY, OCTOBER 15

### WORKSHOP SESSION 3

4pm–5:30pm

#### 3A BLS

##### What Can My Brain Tell Me?

*Bary Berg, MD*

A review of anatomy and physiology of the brain including relevant pathology and the subtleties found upon physical exam. This lecture will help bridge the gap and build a better understanding of the signs and symptoms that can clue EMS providers into disease pathology and anticipate patient needs. (NYS CME: All Levels – Preparatory or Neurology)

#### 3B ALS

##### Make the Right Call: STEMI Mimics, Part 2

*Tom Bouthillet, Fire Captain, EMT-P*

We all know the importance of identifying ST-elevation on the 12-lead ECG so we can identify patients who are eligible for reperfusion therapy but did you know that acute STEMI is not the most common cause of ST-elevation among chest pain patients?

In part 2 of this 2-part series, Tom Bouthillet covers some of the less common STEMI mimics including ventricular aneurysm, hyperkalemia, Brugada, WPW, Osborn waves, and takotsubo cardiomyopathy, along with tips for identifying true STEMI on the 12-lead ECG. (NYS CME: All Levels – Cardiology/Cardiovascular)

#### 3C EDUCATOR

##### Affect and Effect: Creating a Well-behaved EMT

*Dan Limmer, NREMT-P*

Ask any educator whether the biggest class headaches come from clinical or behavioral issues and behavioral is the overwhelming answer. Bright students make it into clinicals only to wash out because they can't get along. EMS social media is a vast wasteland of immaturity and rudeness. Can an educator help prevent these pervasive issues? The vital yet abstract affective domain is the focus of this presentation and the answer to many of these problems. (NYS CME: Non-Core – All Levels)

#### 3D OPERATIONS

##### Operations Update

*Daniel Clayton, Deputy Director for Operations*

It doesn't matter if you are a new or experienced chief operating officer of an EMS agency, it can be challenging to navigate the laws, regulations, and policies with which you must be in compliance. The Operations and Emergency Preparedness staff of the Bureau of EMS and Trauma Systems promises to present an engaging discussion of what it takes to keep an ambulance service in compliance and on the road to success with both short and long term goals. EMS data, e-PCRs and 2016 policy statements will be highlighted as will common pitfalls and best practices. (NYS CME: Preparatory – All Levels)

#### 3E GENERAL

##### The aCUTE Abdomen

*David Page, MS, NREMT-P*

Abdominal pain is often difficult to assess and can mask immediate life threats. This session will focus on simple tips and tricks to better assess and treat patients complaining of severe abdominal pain. Come learn to uncover the mysteries of the abdomen. Best suited for: EMS providers at all levels. (NYS CME: Abdominal Emergencies – EMT, AME, CC; Gastroenterology – P)

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.

# Conference Workshops

## SUNDAY, OCTOBER 16

### CLOSING SESSION

8:30am–9:45am

#### **When Your Patient Reaches the Breaking Point**

*Chris Ebright, NREMT-P*

Need to brush up on some basic musculoskeletal assessment and management? This lecture will help get you back up to speed on caring for various injuries and the complications associated with fractures and dislocations. If nothing else, just come to see all of the cool pictures! (NYS CME: Trauma – All Levels)

### WORKSHOP SESSION 4

10:30am–12:00pm

#### **4A BLS**

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

*David Gurchiek, PhD, NRP*

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 emergency care 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 the next medical emergency call. (NYS CME: Preparatory – All Levels)

#### **4B ALS**

#### **Changes in the New York State Trauma System and What It Means to You**

*Dr. Alex Axelrad*

Case based discussion to illustrate:

- A new level of trauma hospital Level 3 . Who should go there?
- A new kid on the block... ACS verified pediatric trauma centers.
- Pre notification: How important is it?
- C-spine immobilization.

(NYS CME: Preparatory OR Trauma – All Levels)

#### **4C EDUCATOR**

#### **NYS EMS Education Update**

*Andrew Johnson, Deputy Director for Education*

Education is the foundation for good patient care. EMS is rapidly changing and so must education if we want to keep up with those changes. We will take a statistical look at how we are doing state-wide and what areas we need to improve upon. There will be a brief overview of our new moodle site to help you obtain the information you need to succeed. Come learn what is going right as well as what is going wrong, but above all, be prepared to share your successes with the crowd. (NYS CME: Additional Non-Core – All Levels)

#### **4D OPERATIONS**

#### **To Pee Is to Be**

*Chris Ebright, NREMT-P*

When the kidneys fail, your patient becomes sick with a variety of non-specific signs and symptoms. Whether from an acute situation or from a chronic problem, kidney failure may lead a patient being dependent on dialysis. This presentation helps you gain some insight into the challenges these patients provide to the EMS professional. (NYS CME: Geni-Renal EMT, AEMT; Abdominal – CC; Renal and Urology – P)

# Conference Workshops

## SUNDAY, OCTOBER 16

### 4E GENERAL

#### **Trends in Substance Abuse, Part 1**

*Lynn Riemer, President, ACT on Drugs*

Drug addiction is a chronic, relapsing disorder in which compulsive drug-seeking and drug-taking behavior persists despite serious negative consequences and is a major problem plaguing society today. Addiction may result in changes in the brain that lead to tolerance, physical dependence, craving and relapse. The consequences of alcohol and drug abuse extend well beyond the individual user. It affects family, friends, coworkers, businesses, and the entire community. It results in premature deaths and serious illness. It is the root cause of violence, property crimes, and impaired drivers.

Certain personality traits (risk taking and novelty-seeking) predispose to addiction while some mental disorders (schizophrenia, bipolar disorder, depression, and ADHD) are strongly associated with increased risk of abuse. Genetic factors may play a role, particularly in alcoholism. The consequences of drug abuse may affect the addict for life, even after overcoming the addiction.

This workshop provides valuable training to help identify substance abuse, create a better understanding of the effects illicit drug use has on users, and provides an understanding of how drug use affects all of us. Knowing how to recognize what the drugs look like, the indicators of someone under the influence and what to do if someone has a substance abuse problem is only the first part of the battle! *(NYS CME: EMT/AEMT/P-Toxicology; CC - Poisoning)*

### WORKSHOP SESSION 5

1:30pm–3pm

#### **5A BLS**

#### **Defensive Tactics for Offensive Scenes**

*PCS – Protective Consulting Solutions*

Assault related injuries to medical personnel have and will continue to escalate as society changes. Although the function of the healthcare professional is to provide care to victims of illness and injury, surveys indicate that over 5% of all EMS calls involve a violent patient. This interactive presentation will take an in-depth and realistic look at “scene safety” and provide a few techniques to be used in the event of an unexpected attack. *(NYS CME: Operations – All Levels)*

#### **5B ALS**

**TBA**

# Conference Workshops

## SUNDAY, OCTOBER 16

### 5C EDUCATOR

#### MedBots: Mobile Virtual Medic Students

David Gurchiek, PhD, NRP

In this presentation Dr. Gurchiek discusses how he is utilizing MedBots (medic student robots) for some of his paramedic students who have to travel long distances to class. These MedBots (mobile virtual presence devices) are controlled by the students via iPad or computer when they are not on campus, which allows them to attend class “virtually” and observe, ask questions, move around, and interact with instructors and their fellow students. When it’s time for patient scenarios, the students maneuver the MedBots over to the patient simulation lab and participate as a team member or team leader. Attend this presentation to see how your EMS program can utilize mobile virtual presence devices in the classroom and the benefits of virtual education for EMS students. (NYS CME: Non-Core – All Levels)

### 5D OPERATIONS

#### Landon’s Journey

Chris Ebright, NREMT-P

Autism spectrum disorder (ASD) is a group of developmental disabilities that can cause significant social, communication and behavioral challenges. There is often nothing about how people with ASD look that sets them apart from other people, but people with ASD may communicate, interact, behave, and learn in ways that are different from most other people. As a result, when these patients become ill or injured, they can be a challenge for even the seasoned EMS professional to assess and manage properly. This presentation will be one like you have never seen... as we discuss this ever-increasing population and the considerations to take when interacting with these very special patients. (NYS CME: Behavioral – All Levels)

### 5E GENERAL

#### Trends in Substance Abuse, Part 2

Lynn Riemer, President, ACT on Drugs

*This is a continuation of the earlier session. Attendance at the 10:30 session is not required.*

Drug addiction is a chronic, relapsing disorder in which compulsive drug-seeking and drug-taking behavior persists despite serious negative consequences and is a major problem plaguing society today. Addiction may result in changes in the brain that lead to tolerance, physical dependence, craving and relapse. The consequences of alcohol and drug abuse extend well beyond the individual user. It affects family, friends, coworkers, businesses, and the entire community. It

results in premature deaths and serious illness. It is the root cause of violence, property crimes, and impaired drivers.

Certain personality traits (risk-taking and novelty-seeking) predispose to addiction while some mental disorders (schizophrenia, bipolar disorder, depression, and ADHD) are strongly associated with increased risk of abuse. Genetic factors may play a role, particularly in alcoholism. The consequences of drug abuse may affect the addict for life, even after overcoming the addiction.

This workshop provides valuable training to help identify substance abuse, create a better understanding of the effects illicit drug use has on users, and provides an understanding of how drug use affects all of us. Knowing how to recognize what the drugs look like, the indicators of someone under the influence and what to do if someone has a substance abuse problem, is only the first part of the battle! (NYS CME: EMT/AEMT/P – Toxicology; CC – Poisoning)

Save the Date!  
Rochester, NY  
OCTOBER 26-29, 2017

NEW YORK STATE  
Vital Signs 2017  
EMS Conference

# Conference Information

## NETWORKING RECEPTION

Friday, October 14  
5pm–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.

## 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. Syracuse has several restaurants within walking distance or a short drive from the Oncenter. However, for those who prefer not to visit local eateries, the Oncenter 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 Oncenter 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 postmarked on or before October 5, 2016. A 25% cancellation fee must be charged. No refunds will be granted after October 5, 2016.

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.**

## BE A PART OF THE VITAL SIGNS EMS COMPETITION

Any EMS agency currently providing pre-hospital basic or advanced life support services is invited to enter one team in each division of competition (ALS and/or BLS). A total of ten (10) team slots are available for both divisions. Team slots will be filled on a first-come, first-served basis. For further information on rules and regulations, please visit our website at: [www.vitalsignsconference.com](http://www.vitalsignsconference.com)



# Conference Registration Form

Use a separate form for each person. Photocopy additional registration forms if needed. PLEASE PRINT CLEARLY. All fields must be completed.

Registration form fields: Last Name, First Name, Organization, Title, EMT Number, Address, City, Day Phone, State/Province, Zip/Postal Code, E-mail, Level (CFR, EMT, EMT-I, EMT-CC, EMT-P), National Registry Number.

### CONFERENCE REGISTRATION

- Registration options: \$185.00, \$250.00, \$150.00, \$125.00, \$275.00, FREE. Includes checkboxes for magazine subscription and exhibitor mailing list.

### PRECONFERENCE WORKSHOPS

- Preconference workshops 1-7 with topics: BLS Core Content Refresher, ALS Core Content Refresher, The Safely Addressing Violent Encounters (S.A.V.E.), Refining Your Classroom Vision, Problem-based and Case-based Learning Workshop, Gross Anatomy, Gross Anatomy: Procedures Lab.

### CONFERENCE WORKSHOPS

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

#### SESSION 1 Saturday, October 15, 10:30am-12pm

- Workshop 1A-1E: Obstetrics: Antepartum Emergencies, Bariatric Surgery for EMS: The Risks and Complications We Need to Be Aware Of, Fast and Furious: 75 Facts in 75 Minutes, How Not To Be Wrong When Everything Is On the Line: Critical Thinking and Decision Making in EMS, EMS Compass- Improving Systems of Care Through Meaningful Measures.

#### SESSION 2 Saturday, October 15, 1:30pm-3pm

- Workshop 2A-2E: Chest Trauma, Make the Right Call: STEMI Mimics, Part 1, Beyond the NYS Paperwork - A Resource for EMS Instruction, Who Gets Sued and Why?, Unable to Ventilate: When a Basic Airway Fails.

#### SESSION 3 Saturday, October 15, 4pm-5:30pm

- Workshop 3A-3E: What Can my Brain Tell Me?, Make the Right Call: STEMI Mimics, Part 2, Affect and Effect: Creating a Well-Behaved EMT, Operations Update, The aCUTE Abdomen.

#### SESSION 4 Sunday, October 16, 10:30am-12pm

- Workshop 4A-4E: Differential Diagnosis: A Disciplined Approach to Medical Emergencies, Changes in the New York State Trauma System and What It Means to You, NYS EMS Education Update, To Pee Is to Be, Trends in Substance Abuse, Part 1.

#### SESSION 5 Sunday, October 16, 1:30pm-3pm

- Workshop 5A-5E: Defensive Tactics for Offensive Scenes, TBA, MedBots: Mobile Virtual Medic Students, Landon's Journey, Trends in Substance Abuse, Part 2.

A check for the total amount or a completed credit card order form must be enclosed with this registration form. PLEASE MAKE CHECKS PAYABLE TO: Health Research, Inc., EMS Conference. WE ARE UNABLE TO ACCEPT PURCHASE ORDERS, VOUCHERS OR CASH. NO REGISTRATIONS WILL BE TAKEN OVER THE PHONE. MAIL COMPLETED REGISTRATION TO: Vital Signs 2016, NYSDOH Bureau of Emergency Medical Services and Trauma Systems, 875 Central Avenue, Albany, NY 12206. Upon acceptance of your conference registration form, a receipt will be e-mailed to you. YOU MUST present your receipt when picking up your conference packet at the registration desk.

Register online at [vitalsignsconference.com](http://vitalsignsconference.com)



## Credit Card Order Form

- 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  Discover

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)

# Directions

## FROM THE NYS THRUWAY (I-90)

Take Exit 36, Route 81 South to Syracuse. Take Harrison Street Exit 18, right on Harrison two blocks, turn left into parking garage.

## FROM THE NORTH

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

# Hotel Information

## DOWNTOWN

### COURTYARD BY MARRIOTT AT ARMORY SQUARE

300 West Fayette Street, Syracuse, NY 13202  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Indoor Pool*

**\$139 Single/Double, Triple or Quad**

### CROWNE PLAZA

701 East Genesee Street Syracuse, NY 13210  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Pet Friendly*

**\$129 Single/Double, Triple or Quad**

### GENESEE GRANDE HOTEL

1060 East Genesee Street Syracuse, NY 13210  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Pet Friendly*

**\$139 Single/Double, Triple or Quad**

### PARKVIEW HOTEL

300 West Fayette Street, Syracuse, NY 13202  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Pet Friendly*

**\$139 Single/Double, Triple or Quad**

### SHERATON UNIVERSITY HOTEL AND CONFERENCE CENTER

801 University Avenue Syracuse, NY 13210  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Pet Friendly; Indoor Pool*

**\$149 Single/Double, Triple or Quad**

## EAST

### DOUBLETREE HOTEL

6301 State Route 298 East Syracuse, NY 13057  
Exit 35 off the NYS Thruway  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Indoor/Outdoor Pool*

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

### EMBASSY SUITES

6646 Old Collamer Road South East Syracuse, NY 13057  
Exit 35 off the NYS Thruway  
*Dining; Handicap-Accessible; Internet Access; Business Center; Bar/Lounge; Fitness Center; Indoor Pool*

**\$140 Single/Double, Triple or Quad**

# Housing Registration Instructions

## ROOM RESERVATION INSTRUCTIONS: PLEASE READ CAREFULLY

### GENERAL INFORMATION

Visit Syracuse will be managing the housing for this convention through Meetingmax. Please do not contact the hotels directly. Failure to reserve your rooms through Visit Syracuse/Meetingmax 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 14, 2016. Reservation requests will be processed immediately. You will receive two separate email communications in regards to your reservation; an acknowledgement and a confirmation. It is important to retain these emails for your records.

### SUBMITTING YOUR RESERVATION

To make your hotel reservation, please visit the following link: <https://mmxreservations.com/syracuse/pc/EMS>

**NOTE:** Room inventory, especially for extended dates of stay, are limited. While completing your reservation online, if a date is sold out, the system will display the sold out dates for the property requested at the top of the page.

### ROOM CANCELLATIONS AND CHANGES

**BEFORE 9/14:** All changes and cancelations must be made through the REQUEST FOR CHANGE section in your e-mail confirmation.

**AFTER 9/14:** Please call your assigned hotel directly for changes and cancelations. All reservations are subject to the cancellation policies of each individual hotel.

### PAYMENT INFORMATION

A credit card valid through your dates of stay is required to make a reservation. Use of a debit card or credit card may result in funds being placed on hold by your hotel before your stay.

**Tax Exempt:** Hotel guests are responsible for furnishing a completed Tax Exempt Certificate to their assigned hotel directly two weeks prior to arrival. The name on the payment credit card and the company on the completed tax exempt form **MUST** match. The use of personal cards with an organization named on the tax exempt certificate will not be accepted.

### CUSTOMER SERVICE

Should you have any questions or concerns in regards to housing, please contact Christie Bravos or Melinda Young in the Visit Syracuse Services Department at 800-234-4797 (8:30am–5pm EST, Monday through Friday, offices closed on all major holidays). If you have any questions about attractions or things to do in Syracuse, please visit <http://www.visitsyracuse.com>



*Vital Signs EMS Competition  
Brought to You by LifeNet*

## 2016 Team Registration Form

This entry form must be completed and received on or before Friday, October 7, 2016. The entry fee is \$100.00 per team. Team members who also wish to attend Saturday and Sunday of Vital Signs will receive a 15% discount on registration fees. **Team registration and individual registrations must be mailed together.** All fees are to be paid at the time of registration.

**Please type or print legibly.**

Type of Team:  ALS  BLS

Team Name \_\_\_\_\_

Agency Name \_\_\_\_\_

Agency Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_

Address \_\_\_\_\_

Phone Number for Team Captain ( \_\_\_\_\_ ) \_\_\_\_\_

E-mail Address for Team Captain \_\_\_\_\_

Names of Team Members	Certification Number (Required)	State
1. (Captain) _____		
2. _____		
3. _____		
Alternate _____		

*I hereby certify that our team has read the Rules and Regulations for the 2016 Vital Signs EMS Competition and we agree to adhere by them.*

Signature of Team Captain \_\_\_\_\_

*Mail completed registration to:*  
**Vital Signs 2016  
875 Central Avenue  
Albany NY 12206**

You may pay by check or credit card (page attached). Make checks payable to: Health Research, Inc.  
Phone (518) 402-0996 / Fax (518) 402-0985



**CARRIER CIRCLE HOTELS**

- ★ THE ONCENTER
- 📍 COURTYARD ARMORY SQUARE
- 📍 CROWNE PLAZA
- 📍 PARKVIEW
- 📍 GENESSEE GRANDE
- 📍 SHERATON SYRACUSE UNIVERSITY
- 📍 DOUBLETREE BY HILTON
- 📍 EMBASSY SUITES



GET THE MOBILE VERSION



<https://goo.gl/RtLDPu>