



**VITAL
SIGNS**
2010

**New York State
EMS Conference
August 26-29, 2010**

Sheraton New York Hotel & Towers
New York City, New York
vitalsignsconference.com
518-402-0996, ext. 3

CONFERENCE PROGRAM

THURSDAY, AUGUST 26

- 7:30 AM–8:00 AM** Preconference Registration
8:00 AM–5:00 PM Preconference Programs

FRIDAY, AUGUST 27

- 7:30 AM–8:00 AM** Preconference Registration
8:00 AM–5:00 PM Preconference Programs
5:00 PM–6:30 PM Regional Faculty Meeting
County EMS Coordinators Update
5:00 PM–8:30 PM Registration Open
5:30 PM–7:00 PM Reception
5:30 PM–8:30 PM Exhibit Area Open

SATURDAY, AUGUST 28

- 7:30 AM** Registration Open
8:15 AM–8:30 AM Welcome:
National EMS Memorial Service
State Awards Ceremony
8:30 AM–9:45 AM Opening Session: Ignite Your Life!
9:00 AM Exhibit Area Open
9:45 AM–10:15 AM **Break**
10:15 AM–11:45 AM **SESSION 1**
■ **TRACK A** Who Put the @\$\$ in Assessment?
■ **TRACK B** Head and Facial Trauma for the Street Medic
■ **TRACK C** PowerPoints, Manuals and Study Guides...
Oh My!
■ **TRACK D** Psst... Did You Hear Anyone Use the "U" Word?
■ **TRACK E** The Hole Story: The Implications
of Body Piercing
■ **TRACK F** Indicators of the Terrorist Attack Cycle:
Awareness
11:45 AM–1:30 PM **Lunch (On Your Own)**
1:30 PM–2:45 PM **Exhibit Area Closed**
1:30 PM–3:00 PM **SESSION 2**
■ **TRACK A** Pediatric Pathophysiology
■ **TRACK B** Controversies in EMS Airway Management
■ **TRACK C** CME or Refreshers? Are There Alternatives?
■ **TRACK D** Public-Private Partnerships in EMS:
The Legal Cutting Edge
■ **TRACK E** Suicide: Shedding the Veil of Silence
■ **TRACK F** Radiation – Threats and Benefits:
Key Considerations for First Response
From Identification to Clinical Management

SATURDAY, AUGUST 28 (Continued)

- 3:00 PM–3:30 PM** **Break**
3:30 PM–5:00 PM **SESSION 3**
■ **TRACK A** Stroke Alert!
■ **TRACK B** Baby Breaths: Pediatric Vent Management
■ **TRACK C** Avoiding Discrimination in EMS Education
■ **TRACK D** NYS Bureau of EMS Operations Update/
Personnel Management for Risk
Retention Groups
■ **TRACK E** Tigers Eat Their Young... Why Do We?
■ **TRACK F** Biologicals
6:00 PM **Exhibit Area Closes**

SUNDAY, AUGUST 29

- 8:00 AM** Registration Open
9:00 AM Exhibit Area Open
8:30 AM–9:45 AM Closing Session: In the Line of Fire
9:45 AM–10:15 AM **Break**
10:15 AM–11:45 AM **SESSION 4**
■ **TRACK A** Strike a Cord
■ **TRACK B** The Heart of the City:
Myocardial Infarction and Management
■ **TRACK C** Mentoring the New EMS Provider:
Preparing the Field Teacher
■ **TRACK D** Providing Mass Medical Care
with Scarce Resources
■ **TRACK E** Cultural Considerations When Working
with Patients and Families
■ **TRACK F** Incident Response to Terrorist Bombings:
Awareness
11:45 AM–1:30 PM **Lunch (On Your Own)**
1:30 PM **Exhibit Area Closes**
1:30 PM–3:00 PM **SESSION 5**
■ **TRACK A** **UPDATED** Elder Care: Taking Care
of the Older Adult
■ **TRACK B** Comfortably Numb
■ **TRACK C** NYS Bureau of EMS Education Update
■ **TRACK D** Major Exercise Development
■ **TRACK E** EMS Providers Interactions
with Grieving Families
■ **TRACK F** Where There's Smoke, There's Tox:
Prehospital Approach to Smoke Inhalation

TWO-DAY PRECONFERENCE WORKSHOPS

THURSDAY, AUGUST 26 and FRIDAY, AUGUST 27

PRECONFERENCE 1

The Difficult Airway Course: EMS™ The Definitive EMS Airway Course

8:00 AM–5:00 PM

The Difficult Airway Course: EMS™ is an intensive 2-day course that includes lectures, workshops and hands-on skill stations. Experience the only EMS airway course that is designed by the authors of The Manual of Emergency Airway Management (included with course materials) Drs. Ron M. Walls, Michael F. Murphy and Robert C. Luten.

Expert faculty from Long Island's Stony Brook University Medical Center Department of Emergency Medicine and EMS, will teach you simple airway algorithms that allow for an orderly, reproducible approach to any emergency airway. You will experience the unique challenges facing EMS providers, and practice decision making and airway techniques in challenging Code Airway Stations.

Take advantage of this opportunity to attend this engaging course at the New York State Vital Signs Pre-Conference rate of \$200/person for NYS providers (regularly \$350/person)! Course text and materials are included in course fee.

Class limit of 60.

PRECONFERENCE 2

BLS Core Content Refresher

Daniel Limmer, AS, EMT-P

Joseph J. Mistovich, MEd, NREMT-P

This two-day workshop will provide 15 hours of BLS Training that an EMT Basic or AEMT Intermediate may apply towards the EMT-B "Core" Refresher Training of their NYS CME-Based Recertification Program. These 15 hours may also be applied towards the Mandatory Core Content required by the NREMT, meeting the objectives of the DOT EMT Refresher.

For those that attended Vital Signs 2008 and 2009, 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:

2 Hours	Preparatory
1 Hour	Airway
1 Hour	Patient Assessment
4 Hours	General Pharmacology/Cardiac/Respiratory
1 Hour	Diabetes/Altered Mental Status/Allergies
2 Hours	Poisoning/Environmental/Behavioral
2 Hours	Trauma
2 Hours	Obstetrics/Gynecology
15 Hours	Total

PRECONFERENCE 3

ALS Core Content Refresher

Paul Werfel, BA, NREMT-P

Arthur Romano, BA, NREMT-P

Malcolm Devine, NREMT-P

This two-day workshop will provide 15 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 15 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 2008 and 2009, 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:

5 Hours	Preparatory
2 Hours	Neurology/Endocrinology/ Allergies, Anaphylaxis & Poisoning
2 Hours	Gastroenterology/Renal/Toxicology/Hematology
3 Hours	Environmental/Infectious & Communicable Diseases/ Behavioral/Gynecological
1 Hour	Abuse and Assault
2 Hours	Patients with Special Challenges and Acute Interventions for Chronic Care
15 Hours	Total

Please be advised that some sessions have class size limits. Registrants will be enrolled on a first-come, first-served basis, based upon the timely receipt of an application with payment for the course attached. In the event response is greater than space allows, acceptance will be based upon postmark.

ONE-DAY PRECONFERENCE WORKSHOPS

FRIDAY, AUGUST 27

PRECONFERENCE 4

Mass Casualty Incident Management

Christopher Suprun, NREMT-P
Robert Delagi, MA, NREMT-P

8:00 AM–5:00 PM

Although a Mass [or Multi] Casualty Incident (MCI) occurring in your area seems remote, every public safety organization and jurisdiction must be prepared for the potential disaster. Early implementation of a management system will determine a department's success or failure at saving lives.

The MCI doesn't need to be a plane crash or terrorist event and will focus on, but a motor vehicle accident involving two minivans filled with people in a jurisdiction with one ambulance. Can your jurisdiction immediately handle eight to twelve patients? This management system is designed to assist organizations in planning, coordinating and managing an MCI.

Class limit of 60.

PRECONFERENCE 5

Instructor Development

Paul Werfel, BA, NREMT-P
Arthur Romano, BA, NREMT-P
Malcolm Devine, NREMT-P
Andrew Johnson, BA, EMT-P

8:00 AM–5:00 PM

An educator's presentation skills and creativity in the classroom are essential to the success of all EMS training endeavors. Educating is certainly more enjoyable when the presenter has mastery of those presentation skills that involve the students and eliminate annoyances that impede learning. This workshop will explore the methods of maximizing your presentation skills and putting your students at ease, thus involving them in the learning process. By providing new and innovative methods to make your presentation skills and classroom scenarios more effective and fun, the educator will also find satisfaction and reward in the classroom. We will once again be offering a "Best Practices Swap Meet," be sure to include your e-mail on the registration form to receive further information. The NYS Bureau of EMS will be updating instructors with recent and future changes in EMS education in NYS. The overall NYS EMS education model will be discussed and a question and answer session to give you the answers you have been looking for. This session will meet the required 6 hours of instructor update required for NYS BEMS Instructor recertification.

Class limit of 70.

PRECONFERENCE 6

In a New York Minute, Everything Can Change: SMART Triage and Treatment for Trauma Patients

State Trauma Advisory Committee

8:00 AM–5:00 PM

Imagine responding to a building collapse, train derailment or a terrorist attack. Being familiar with disaster triage and treatment principles to a variety of trauma patients including severe brain injured, burned, multiple system, pediatric and geriatric trauma patients is crucial for patient survival and disaster management operations. This pre-conference will introduce you to the "Smart Triage System" followed by hands-on application of trauma treatment BLS/ALS protocols using computerized simulated patient manikins and table-top exercises.

Class limit of 40.

PRECONFERENCE 7

What Would Happen if Terrorists Detonated an IED on a New York City Transit Bus?

New York City Fire Department

Departs at 7:30 AM and returns at 2:00 PM

Join FDNY at their world renowned Fire Academy and sit in on a live drill designed to prepare FDNY Officers, Firefighters, Paramedics and EMTs to handle the first 15 minutes of such an event. The drill includes both Fire and EMS units working together to optimize patient outcomes. Fire responsibilities include scene safety, rapid assessment for secondary devices, establishing an Incident Command Post, and the identification and removal of viable patients from the immediate explosion site. EMS responsibilities include establishing the Medical Branch, dynamic triage utilizing an enhanced triage system, transportation and tracking of critical patients and establishing treatment areas for the care of less urgent patients.

The session will include transportation to and from the FDNY Fire Academy on Randall's Island and participation in a two part classroom presentation with both Fire and EMS units covering Fire and EMS response priorities. Following the classroom, participants will be able to observe the live drill on the grounds of the Fire Academy from observation areas alongside the action. Following the drill, Fire and EMS instructors will be available to answer questions and to critique the exercise. If time allows, a tour of the Fire Academy will be conducted.

Class limit of 50.

ONE-DAY PRECONFERENCE WORKSHOPS

FRIDAY, AUGUST 27

PRECONFERENCE 8

What Would Happen if Terrorists Detonated an IED on a New York City Transit Bus?

New York City Fire Department

Departs at 12:00 PM and returns at 6:00 PM

Join the FDNY at their world renowned Fire Academy and sit in on a live drill designed to prepare FDNY Officers, Firefighters, Paramedics and EMTs to handle the first 15 minutes of such an event. The drill includes both Fire and EMS units working together to optimize patient outcomes. Fire responsibilities include scene safety, rapid assessment for secondary devices, establishing an Incident Command Post, and the identification and removal of viable patients from the immediate explosion site. EMS responsibilities include establishing the Medical Branch, dynamic triage utilizing an enhanced triage system, transportation and tracking of critical patients and establishing treatment areas for the care of less urgent patients.

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Class limit of 50.

PRECONFERENCE 9

The Air Methods Mobile Simulation Center

BLS Simulations

Friday Morning, Four 90-minute Sessions

This intense interactive workshop will immerse participants in realistic pre-hospital patient care scenarios that will challenge the assessment and clinical skills of even the most experienced EMS provider. The Air Methods Mobile Simulation Center is equipped with a state-of-the-art manikin by Medical Education Technologies Incorporated (METI) that speaks, breathes, blinks, convulses, and responds physiologically to all medical interventions initiated. The simulated patients are treated in a

virtual transport environment that is wired for AV recording. Debriefings occur while the scenarios are played back so important teaching moments can be reviewed. This workshop will offer a sense of realism that will require active group participation and introduce simulation to participants on a whole new level. Participants will be divided into teams and rotate through simulations involving airway compromise, trauma, and medical scenarios.

We welcome you to the Air Methods Challenge!

This session is limited to 16 BLS providers (four groups of four students). Your 90 minute time slot will be shown on your confirmation. ***The registration fee for this pre-conference has been sponsored in part by HRSA Emergency Medical Services for Children State Partnership Grant H33MC06724-05-00.***

PRECONFERENCE 10

The Air Methods Mobile Simulation Center

ALS Simulations

Friday Afternoon, Four 90-minute Sessions

This intense interactive workshop will immerse participants in realistic pre-hospital patient care scenarios that will challenge the assessment and clinical skills of even the most experienced EMS provider. The Air Methods Mobile Simulation Center is equipped with a state-of-the-art manikin by Medical Education Technologies Incorporated (METI) that speaks, breathes, blinks, convulses, and responds physiologically to all medical interventions initiated. The simulated patients are treated in a virtual transport environment that is wired for AV recording. Debriefings occur while the scenarios are played back so important teaching moments can be reviewed. This workshop will offer a sense of realism that will require active group participation and introduce simulation to participants on a whole new level. Participants will be divided into teams and rotate through simulations involving airway compromise, trauma, and medical scenarios.

We welcome you to the Air Methods Challenge!

This session is limited to 16 ALS providers (four groups of four students). Your 90 minute time slot will be shown on your confirmation. ***The registration fee for this pre-conference has been sponsored in part by HRSA Emergency Medical Services for Children State Partnership Grant H33MC06724-05-00.***

SATURDAY, AUGUST 28

OPENING SESSION

8:30 am–9:45 am

Ignite Your Life!

John O’Leary

Journey with John O’Leary as he powerfully reveals that our greatest challenges can be transformed into outstanding growth. Through emotional storytelling and great humor, John will empower you to move past your comfort zone, dream big and take action.

John will inspire you to rise above your challenges, discover your passion, and fulfill your greatest potential. John will illustrate that everyone, regardless of circumstance, has the ability to overcome any obstacle and achieve any dream.

WORKSHOP SESSION 1

10:15 AM–11:45 AM

■ TRACK A

Who Put the @\$\$ in Assessment?

Christopher Suprun, NREMT-P

From A to Z, patients come in all shapes and sizes, but whether you use curriculum from the old EMT standards of ABCs, the ATLS, ITLS, or PHTLS programs using ABCDE, or the Trauma Nurse Core Curriculum of A through I, several fundamental factors appear again and again. These factors are key to solid patient assessment to help maximize your chances of catching both the deadly and the unique during the Platinum Ten Minutes.

This case study based session will look at patient assessments in an entertaining and engaging way to help responders better conceptualize the need for a thorough, step-by-step, and detailed patient assessment. The cases will come from actual patients and will reinforce the need for every step in the process to have a clear picture of the patient.

■ TRACK B

Head and Facial Trauma for the Street Medic

Paul Werfel, BA, NREMT-P

The prehospital practitioner’s handling of the patient with head and facial trauma can be one of the most difficult scenarios to successfully manage. With airway issues to deal with, C-spine injuries, and profuse bleeding all factoring into the equation, it’s easy to see how daunting a task this can be. In this discussion we will discuss the methods of assessing and managing these injuries that affect nearly 2 million people in the U.S. and result in approximately 50% to 55% of all prehospital deaths.

In this graphic, interactive session we will explore the assessment, pathophysiology, signs, symptoms and treatment of: cerebral concussions, cerebral contusions, basilar skull fractures, intercranial bleeds, penetrating head trauma, maxillofacial injuries.

■ TRACK C

PowerPoints, Manuals and Study Guides... Oh My!

Daniel Limmer, AS, EMT-P

Joseph J. Mistovich, MEd, NREMT-P

Do you use publisher-supplied materials to their full advantage in your classroom? Have you ever wanted to use them for just a bit more help? This presentation discusses the many classroom supplements available to the EMS instructor. Presented in a casual question and answer format, EMS educators and authors Dan Limmer and Joe Mistovich will help you get the most from these products and improve your classroom presentations.

■ TRACK D

Psst... Did You Hear Anyone Use the “U” Word?

Doug Wolfberg, JD, EMT

In this era of declining ambulance reimbursement and streamlined EMS budgets, now more than ever EMS field providers are turning to others for help in gaining a “voice” in the EMS workplace. Labor unions are extremely active now in organizing EMS employees, and there is a delicate balance under the law as to just what unions and management can do when employees start talking about organizing a union and the organizing “campaign” begins. This seminar will provide you with the “basics” of the law under the National Labor Relations Act, what you need to know to deal effectively with this hot issue. The session will also address the root causes of union organizing from both the employer and employee perspective. What you can say and do legally are also important topics for this seminar. This dynamic and interactive session will be capped with a “point and counterpoint” debate of the pros and cons of unions in EMS from both a management and a labor representative.

■ TRACK E

The Hole Story: The Implications of Body Piercing

Steve Berry, NREMT-P

Body piercing has become a common phenomenon in all areas of the country. Why do people do it and what are the health risks? Mr. Berry will review some of the ways they may interfere with standard treatment for those working in emergency health care.

■ TRACK F

Indicators of the Terrorist Attack Cycle: Awareness

NYS Office of Homeland Security

This course is intended to provide the emergency response community with an opportunity to develop basic observational skills that, when coupled with appropriate and timely information sharing, could prevent a terrorist attack on a domestic target. This two-hour, instructor-led course, which is designed at the awareness level and is scenario-based, actively engages participants in interactive discussions and activities.

WORKSHOP SESSION 2

1:30 PM–3:00 PM

■ TRACK A

Pediatric Pathophysiology

Arthur Romano, BA, NREMT-P

In this presentation Mr. Romano will engage two of the most common pediatric illnesses that necessitate the usage of emergency medical services. He will discuss seizure disorders and asthma in depth in the context of the pediatric age group and describe the tactics available for treatment and prevention on both the basic and advanced life support levels.

■ TRACK B

Controversies in EMS Airway Management

Michael F. Murphy MD, FRCPC

Come and hear about the debate: Should paramedics be intubating in the field? Learn about the various terms being bantied about such as Medication Assisted Intubation, Drug Facilitated Intubation and Rapid Sequence Airway (RSA). We'll talk about the use of ketamine for airway management, even in the head injured patient. And finally, try to impart some idea as to which of the rescue airway devices are the best to use.

■ TRACK C

CME or Refreshers: Are There Alternatives?

Paul Werfel, BA, NREMT-P

Refresher courses have been a fact of life as long as most of us have been in the profession. Is there another way of periodically reevaluating EMS practitioners? Some educators tout the exclusive use of continuing medical education (CME) in the recertification process. While others advocate the sole use of the refresher program, and in some cases a combination of CME and refresher course. This discussion will explore the advantages and disadvantages of these reevaluation devices, as well as their widespread application. We will attempt to reach some unanimity on the educational aspects of each modality and try to identify the most efficacious approach.

■ TRACK D

Public-Private Partnerships in EMS:

The Legal Cutting Edge

Doug Wolfberg, JD, EMT

Many communities are served by public-private EMS partnerships. These partnerships often have varying degrees of formality. Sometimes the arrangements are formal, with competitive procurements, performance standards, and subsidies. Other times, they are less formal, and include simple contracts, shared resources, joint responses or other

types of arrangements. Regardless of which end of the spectrum your arrangements may fall, this session will bring you up-to-date on the ever changing compliance issues that surround all types of public-private partnerships, whether they involve waiving copayments, paying dispatch or first response fees, subsidies, "high bid" contracts, or others. This session will review all of the relevant OIG advisory opinions and other compliance issues you need to know.

■ TRACK E

Suicide: Shedding the Veil of Silence

Steve Berry, NREMT-P

It is often described as one of the most painful kind of calls an emergency medical provider will respond to. Whether it is the suicide or attempted suicide of a patient or of someone we know personally, we are often left with only complex and disturbing questions. Why did they do it? What can I say to give comfort to the bereaved? How can I help someone who is contemplating suicide? How can I heal from my own personal loss? What separates fact from fiction about suicide? These and many more such questions will be discussed and answered in an open and honest format in the hope of bringing understanding and comfort to those who are in some way touched by suicide.

■ TRACK F

Radiation – Threats and Benefits: Key Considerations for First Response from Identification to Clinical Management

Robin B. McFee DO

The discussion of WMD is no longer the stuff of Ludlum spy thrillers but a set of commodities possessed by a large group of nations and organizations. Radiation – the least understood and least prepared for of the WMD is a viable threat, and can now be added to the list of poisons used in assassination.

Not only from a weapon perspective but medical one, radiation therapy related side effects are often missed or misdiagnosed. With over 50% of cancer patients receiving some form or radiation treatment, and it is likely this proportion will increase, understanding the fundamentals of radiation is an important new area of study for EMS.

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.

Track A – BLS
Track B – ALS
Track C – Educator
Track D – Agency

Track E – General
**Track F – Preparedness/
Awareness**

WORKSHOP SESSION 3

3:30 PM–5:00 PM

■ TRACK A

Stroke Alert!

Arthur Romano, BA, NREMT-P

In this presentation Mr. Romano will provide insight into the renewed emphasis on emergency stroke care, both pre-hospital and at stroke centers. The pathophysiology of both embolic and hemorrhagic strokes will be reviewed in depth as well as their clinical presentation in the field. Emphasis will include systematic and accurate patient assessment, communication with receiving hospitals, and the treatment plans for these patients now and in the future.

■ TRACK B

Baby Breaths: Pediatric Vent Management

Christopher Suprun, NREMT-P

This topic in critical care medicine is designed to prepare the critical care provider and/or transport team member for the significant issues involved with ventilating the sick pediatric patient. During this session we will cover the pathophysiology of the pediatric cardiopulmonary system and discuss common ventilation methods and settings for the non-invasive and invasive side of things.

■ TRACK C

Avoiding Discrimination in EMS Education

Doug Wolfberg, JD, EMT

The EMS classroom can be a powder keg. Everything from inappropriate horseplay to outright sexual harassment to race, ethnic or gender discrimination can undercut the educational process and lead to liability for the training institution, the instructors, students or others. This session will explore the basis of educational law as applied to EMS training and present strategies for minimizing these risks.

■ TRACK D

NYS Bureau of EMS Operations Update/ Personnel Management for Risk Retention Groups

Cynthia J. McCloud, BS, EMT-P and BEMS Staff

This session will address "What's New at the State?" and provide an update on several topics including ePCR, "Culture of Safety," and respiratory protection. There will also be a question and answer opportunity for participants.

NYS EMS is charged with protecting the consumer from patient harm. The second half of the session will focus on handling issues with career and volunteer staff. How do you address complaints related or

unrelated to patient care? What happens if a member is convicted of a crime? Several references will be provided to assist your agency in determining their risk in recruiting and retaining members while providing quality care to patients.

State DOH staff will take participants through several case studies of state investigations and their outcomes. Many of these techniques and resources could be used to address complaints regarding members and EMS agencies.

■ TRACK E

Tigers Eat Their Young... Why Do We?

Daniel Limmer, AS, EMT-P

Breaking into EMS isn't easy. When you were new to EMS did someone "take you under their wing?" or "show you the ropes?" EMT training is largely a class-based experience which leaves students educated but unprepared for the street. EMS mentors help new EMTs gain experience, build confidence, and set the foundation for a life long EMS experience. Help new EMTs avoid sink or swim situations that erode confidence and cause us to lose crucial personnel.

You know how to help your patients, now learn how to help your fellow EMTs.

■ TRACK F

Biologicals

Robin B. McFee DO

This talk is designed for the prehospital and emergency response professional and will focus on the key domains of preparedness in terms of biologicals – from prevent planning and logistics to the critical clinical clues that will enable distinguishing common from uncommon illnesses. It will not be a history lesson or basic awareness session. Of course key fundamentals will be covered so that we're all on the same page. But then we'll be ready to hit the deck running!

Based upon real world experience, the clinical pearls shared at this conference will be readily applied in the field and can enhance medical outcomes as well as response capability. Lessons learned from anthrax 2001, SARS and monkeypox 2003, avian flu 2005 and swine flu 2009 will be provided along with real cases and near miss moments. This T.E.M.S. lecture will give you a basic overview and understanding of Tactical Emergency Medical Support personnel, procedures, medical pre-planning, training and equipment. This lecture would be beneficial to any pre-hospital care provider, nurse, physician, police officer, or EMS supervisor who would be interested in being part of, or starting a T.E.M.S unit.

CONFERENCE WORKSHOPS

SUNDAY, AUGUST 29

CLOSING SESSION

8:30 am–9:45 am

In the Line of Fire

Scott Bolleter, BS, EMT-P

Dealing with the reality of painful situations and incredible stress is much more than just a routine part of our work; it can become who we are. There is little discussion on the part of most health care providers about the impact of what we face, yet it's there. The impact of what these situations create is often more than we are able to bear – but we fail to see it. What is it about our work and life that can push us over an edge we seem to walk along without difficulty? Why do we sometimes react when we should respond and what causes us to inevitably reach out less or not at all? What we need is within our reach, it's just a matter of recognizing that it can be done. In the Line of Fire is a research based, experienced centered program that is founded on reality, emotion and recovery. Come be part of a program that will put the wind back in your sails and the sunshine back in your life (even if you thought it wasn't missing).

WORKSHOP SESSION 4

10:15 AM–11:45 AM

■ TRACK A

Strike a Cord

Scott Bolleter, EMT-P

Acute care of the trauma patient has become increasingly specialized over the past twenty years. In the area of emergent spinal care, advances in training, equipment and pharmacological intervention have contributed to marked improvements in patient survival and outcomes. Optimism must be guarded, as room for improvement still exists. Research identifies secondary cord injury as a significant source of major neurological deficit. Time and time again we demonstrate that improper handling and transportation can often hold the key for as much as 10% of this damage. Strike a Cord is a fast paced informative program that will take you from the classroom to the street – and from the emergency department to the courtroom. Strike a Cord will help you navigate the waters of SCI with confidence and new insight.

■ TRACK B

The Heart of the City:

Myocardial Infarction and Management

Bradley Kaufman, MD

John Freese, MD

David Prezant, MD

Nearly a half century ago, the first paramedics were developed to deal with cardiac emergencies. Today, cardiac pathophysiology continues to be one of the leading reasons that people request an EMS response. To deal with these emergencies, paramedics must understand the assessment and management of patients who are suffering from the entire

spectrum of myocardial ischemia – from stable angina to cardiopulmonary arrest. Patients with an acute coronary syndrome require rapid evaluation and treatment, including the identification of those in need of revascularization and relevant decisions regarding hospital destination. For the out-of-hospital cardiac arrest patient, a similar ability to rapidly evaluate the patient and to ensure optimal treatment is essential for the patient's survival. Considerations for treatment must include the ability to provide for the best possible post-resuscitation care, including the use of therapeutic hypothermia. This lecture will review the spectrum of cardiac disease and provide evidence for the best possible treatments for these conditions of the heart.

■ TRACK C

Mentoring the New EMS Provider: Preparing the Field Teacher

Dave Gurchiek, MS, NREMT-P

Field mentors have the difficult job of teaching new EMS providers what we lovingly refer to as "street medicine." Attitude, communication, and active listening are just a few of the tools that the field teacher must rely on to assist the new EMS provider in becoming a confident prehospital care practitioner. Bridging classroom teaching to field application is a challenging but rewarding experience. Attend this presentation to get a better understanding of how you can make a difference "a big difference" to the new EMT or paramedic.

■ TRACK D

Providing Mass Medical Care with Scarce Resources

Edward J. Gabriel, MPA, EMT-P, CEM, CBCP

In the event of a catastrophic public health- or terrorism-related event, such as an influenza pandemic or the detonation of improvised nuclear devices, the result is likely to be tens of thousands of patients or victims whose needs will overwhelm the resources of a community's health care system. In this dire scenario, referred to as a mass casualty event (MCE), it will be necessary to allocate scarce resources in a manner that is different from usual circumstances but appropriate to the situation. Making optimal decisions concerning the allocation of scarce resources could make a big difference in the degree to which health care systems continue to function; ultimately it could mean the difference in saving many thousands of lives.

■ TRACK E

Cultural Considerations When Working with Patients and Families

Donna M. Burns, PhD

This session explores the many facets of culture and how emergency responders can enhance their cultural competence through awareness of the attitudes, beliefs, and customs unique to various cultural and ethnic groups. Attention will be given to developing an understanding of the way people from diverse backgrounds react to loss and death. The presentation combines lecture with guided activities designed to elicit participation and address areas of concern. Participants will be provided with handouts and resources.

NYS CME Program: For a listing of sessions approved for "core" credit, please go to www.vitalsignsconference.com for details.

■ TRACK F

Incident Response to Terrorist Bombings: Awareness

NYS Office of Homeland Security

This is an “awareness level” course designed to provide participants with basic information concerning explosive and incendiary devices that could be used as terrorist weapons. The course includes classroom presentations designed to familiarize participants with commercial and military explosives, improvised explosive devices, and appropriate response procedures.

WORKSHOP SESSION 5

1:30 PM–3:00 PM

■ TRACK A

Elder Care: Taking Care of the Older Adult

Dave Gurchiek, MS, NREMT-P

The number of people 65 years of age and older is rapidly increasing. Many geriatric patients feel that today’s EMS providers really don’t understand gerontology. Gerontology is the scientific study of the effects of aging and of age-related diseases on humans. Attend this presentation to get a better understanding of how to accurately evaluate and care for this special population of prehospital patients.

■ TRACK B

Comfortably Numb

Scott Bolleter, EMT-P

The painful reality is that our patients are needlessly suffering in the prehospital and emergency departments of our country. Comfortably Numb is simply about taking control of our patient’s pain instead of it taking control of us. Attending this program will help you gain new insight into pain management and sedation for the emergent adult and pediatric population. Comfortably Numb is designed to help you visualize the therapeutic realities of proper pain management and to simultaneously energizing and modify your current practice.

■ TRACK C

NYS Bureau of EMS Educational Information Session

Karen Meggenhofen and BEMS Staff

Distance learning is here! How might this change the way we do things? What effect will Distance Learning have on your Sponsorship and your CICs? Education Staff will be on hand to answer your questions and address your concerns. We will also review new and revised policy statements issued this past year and update you on the National Educational Standards and the plans for New York.

Come join us for what promises to be a lively discussion.

■ TRACK D

Major Exercise Development

Edward J. Gabriel, MPA, EMT-P, CEM, CBCP

To exercise plans and agencies, you need to use a system of exercise development that includes bringing together “trusted agents” from each area to design the exercise, defined the exercise objectives, the areas to be evaluated, who would participate, how long the exercise would be scheduled for and the date. In addition, the schedule, timelines, logistic support, supplies, ancillary personnel, and materials are critical to the success of the exercise. Evaluation processes for each specific area being assessed and completed during the event needs to be developed and used appropriately. This consistent planning and evaluation strategy lays the foundation for an “after action” evaluation report addressing the mutually arrived at objectives and outcomes.

The presentation will focus on design and implementation of a preparedness exercises, as well as a host of factors that need to be considered prior to and during these event. These include: Past Terrorist Activities; Lessons Learned; Diagnostics; Interagency Cooperation; Contractor Involvement and Integration.

A review of exercises types and how to incorporate these into an overall exercise program according to the objectives to be accomplished, impact on resources, and timeframes will be addressed. Finally, how to develop a quality improvement systematic process that not only includes regularly scheduled review and revisions for plans, but also if an exercise identified a need for plan updates how this could occur immediately.

■ TRACK E

EMS Providers Interactions with Grieving Families

Donna M. Burns, Ph.D.

This session addresses various dimensions of grief and loss and how these experiences affect families. EMS providers will learn that family members’ responses to loss are mediated by multiple factors. Awareness of and sensitivity to these factors will inform and guide the interactions of emergency medical personnel. The presentation combines lecture with guided activities designed to elicit participation and address areas of concern. Participants will be provided with handouts and resources.

■ TRACK F

Where There’s Smoke, There’s Tox: Prehospital Approach to Smoke Inhalation

Glenn Asaeda, MD

Dario Gonzalez, MD

Douglas Isaacs, MD

Smoke inhalation can be deadly. Participants will be given a review of the toxins released during the combustion of materials in a typical fire with a focus on carbon monoxide and cyanide. The pathophysiology as well as the most current treatment modalities and monitoring devices will be discussed.

CONFERENCE INFORMATION

RECEPTION

Friday, August 27
5:30 PM–7:00 PM

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 8:30 PM.

AWARDS CEREMONY

Saturday, August 28
Metropolitan Ballroom
8:15 AM

Join us as we recognize your peers for outstanding accomplishments in the field of EMS. Awards are based on either a pattern of activities that have resulted in a significant improvement of the EMS system in a region or a singular unusual act that went beyond ordinary duty.

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

Complimentary beverage breaks will be available each morning outside the Metropolitan Ballroom. Please check the schedule for specific break times. The Sheraton has several restaurants within walking distance from the hotel.

BUSES

Shuttle buses will **ONLY** be provided for Preconference 7 and 8.

CONTINUING EDUCATION

An application for continuing education accreditation has been submitted to the Center for Healthcare Education, Inc. for EMTs and Paramedics. 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 must be submitted to the continuing education desk 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

(Formerly known as the "Pilot Program")

All conference time may be applied towards "Non-Core" Additional Continuing Education hours. Only conference time specifically indicated (if any) may be applied towards "Core" Refresher Training. For documentation, the participant must keep on file at their EMS Agency (1) a copy of this brochure, and (2) the participant's Center for Healthcare Education certificate, and (3) the participant's CIC verification letter (for "Core" credits). (Specific Pre-Conference sessions, as

indicated in this brochure, are approved for "Core" Credit.) Go to www.vitalsigns-conference.com for more details.

PARKING

Sheraton NY Towers parking rate at time of print is \$42.00 per 24 hours. SUVs and larger vans incur additional fees (maximum height is 7'2") and there are no in and out privileges. The Vital Signs Conference has negotiated discount parking at various lots near the hotel, detailed information is available at: <http://nyc.centralparking.com/Partners/Manhattan-NYCgo-Vital-Signs.html>. The Vital Signs Conference cannot guarantee any published rates and suggests individuals contact the parking garage directly to confirm rates.

TRAVEL INFORMATION

Due to heavy traffic and the high cost of parking, The Vital Signs Conference strongly encourages attendees to use mass transportation or park and ride locations to travel to the conference. Jet Blue Airways and Amtrak will offer travel discounts to Vital Signs attendees.

Helpful Links:

Metro North & Long Island Rail Road www.mta.info

New Jersey Transit www.njtransit.com

Jet Blue Airways www.jetblue.com/promo

Promotion Code: VS2010 (All travel must be booked online.)

Amtrak To book your reservation, call Amtrak at 1 (800) 872-7245 or contact your local travel agent. Code not valid online.

Promotion Code: X73B-984

Mega Bus www.megabus.com

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 August 2, 2010. A 25% cancellation fee must be charged. No refunds will be granted after August 2, 2010.

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 Sheraton 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

Check or money order made payable to **Health Research, Inc.**, for the total amount must accompany the completed registration form. We also accept Visa/MasterCard. We are unable to accept purchase orders or vouchers.

Upon receipt of your conference registration form, it will be processed and a receipt mailed to you. To receive your conference materials please present your receipt at the registration desk.

If your registration is received late, your receipt will be available at the registration desk. **You will need to show identification to receive your packet.**

CONFERENCE REGISTRATION FORM

27th Annual New York State EMS Conference
August 26-29, 2010 • Sheraton New York Hotel & Towers • New York City, NY
 Visit us at vitalsignsconference.com



Use a separate form for each person. Photocopy additional registration forms if needed. PLEASE PRINT CLEARLY.

Last Name		First Name	
Organization			
Title		Level:	<input type="checkbox"/> CFR <input type="checkbox"/> EMT <input type="checkbox"/> EMT-I <input type="checkbox"/> EMT-CC <input type="checkbox"/> EMT-P
Address			
City	State/Province	Zip/Postal Code	
Day Phone () - Ext.	E-mail		

CONFERENCE REGISTRATION

- \$170.00 Registration received before June 30
- \$200.00 Registration received July 1–July 22
- \$225.00 Registration received July 23–August 13
- \$250.00 On-site Registration (**Credit cards not accepted.**)
- FREE Subscription to *EMS* Magazine (\$32 value)
- Check here if you wish to have your name and address released to exhibitors for informational mailings.

PRECONFERENCE WORKSHOPS

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

- Preconference 1 \$200.00 The Difficult Airway Course: EMS™ (2-day Preconference)
- Preconference 2 \$200.00 BLS Core Content Refresher (2-day Preconference)
- Preconference 3 \$200.00 ALS Core Content Refresher (2-day Preconference)
- Preconference 4 \$125.00 Mass Casualty Incident Management
- Preconference 5 \$125.00 Instructor Development
- Preconference 6 \$125.00 In a New York Minute, Everything Can Change: SMART Triage & Treatment for Trauma Patients
- Preconference 7 \$100.00 What Would Happen if a Terrorist Detonated an IED on a NYC Transit Bus? (Morning)
- Preconference 8 \$100.00 What Would Happen if a Terrorist Detonated an IED on a NYC Transit Bus? (Afternoon)
- Preconference 9 \$ 75.00 Air Methods Mobile Simulation Center (BLS – Morning)
- Preconference 10 \$ 75.00 Air Methods Mobile Simulation Center (ALS – Afternoon)

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 2010
NYSDOH Bureau of Emergency Medical Services
433 River Street, Suite 303
Troy, NY 12180-2299

Upon acceptance of your conference registration form, a receipt will be mailed to you. YOU MUST present your receipt when picking up your conference packet at the registration desk. If you are unable to attend the conference and wish a refund, you must provide written notice of cancellation to the NYS Department of Health Bureau of EMS on or before August 2, 2010. A 25% cancellation fee will be charged. No refunds will be granted after August 2, 2010. The NYS Department of Health Bureau of EMS reserves the right to cancel the conference. In the event the conference is cancelled, registration fees will be refunded.

CONFERENCE WORKSHOPS

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

Saturday, August 28 Session 1, 10:15 AM–11:45 AM

- Track A Who Put the @\$\$ in Assessment?
- Track B Head and Facial Trauma for the Street Medic
- Track C PowerPoints, Manuals and Study Guides... Oh My!
- Track D Psst... Did You Hear Anyone Use the "U" Word?
- Track E The Hole Story: The Implications of Body Piercing
- Track F Indicators of the Terrorist Attack Cycle: Awareness

Saturday, August 28 Session 2, 1:30 PM–3:00 PM

- Track A Pediatric Pathophysiology
- Track B Controversies in EMS Airway Management
- Track C CME or Refreshers: Are There Alternatives?
- Track D Public-Private Partnerships in EMS: The Legal Cutting Edge
- Track E Suicide: Shedding the Veil of Silence
- Track F Radiation – Threats and Benefits: Key Considerations for First Response From Identification to Clinical Management

Saturday, August 28 Session 3, 3:30 PM–5:00 PM

- Track A Stroke Alert!
- Track B Baby Breaths: Pediatric Vent Management
- Track C Avoiding Discrimination in EMS Education
- Track D NYS Bureau of EMS Operations Update/ Personnel Management for Risk Retention Groups
- Track E Tigers Eat Their Young... Why Do We?
- Track F Biologicals

Sunday, August 29 Session 4, 10:15 AM–11:45 AM

- Track A Strike a Cord
- Track B The Heart of the City: Myocardial Infarction and Management
- Track C Mentoring the New EMS Provider: Preparing the Field Teacher
- Track D Providing Mass Medical Care with Scarce Resources
- Track E Cultural Considerations When Working with Patients and Families
- Track F Incident Response to Terrorist Bombings: Awareness

Sunday, August 29 Session 5, 1:30 PM–3:00 PM

- Track A **UPDATED** Elder Care: Taking Care of the Older Adult
- Track B Comfortably Numb
- Track C NYS Bureau of EMS Education Update
- Track D Major Exercise Development
- Track E EMS Providers Interactions with Grieving Families
- Track F Where There's Smoke, There's Tox: Prehospital Approach to Smoke Inhalation



New York City is a great place to bring your family! Tour the Statue of Liberty, Empire State Building and world-famous museums or catch a Broadway play.



Amtrak



JetBlue Airways



MegaBus



New Jersey Transit



nycgo.com



Metro North & Long Island Railroad

Check vitalsignsconference.com for more tourist information, including travel discounts.

CREDIT CARD ORDER FORM

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- No registrations will be accepted over the phone.
- Health Research, Inc. will appear as the transaction on your credit card statement.
- Credit cards will NOT be accepted at on-site registration.

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

Credit Card Number _____ - _____ - _____ - _____ Expiration Date ____ / ____

Amount Charged _____

FOR HRI USE ONLY

Transaction Processed (Circle one): Approved Declined

Amount Charged \$ _____ Settlement Date _____

Save the Date!

VITAL SIGNS 2011

Oncenter
Syracuse, NY

October 13-16, 2011



HOTEL ROOM RESERVATIONS

To reserve your room at The Sheraton New York Hotel & Towers at the special Vital Signs Conference rate of \$165.00 per night please use the following link: <http://www.starwoodmeeting.com/Book/VitalSigns> or follow the link from www.vitalsignsconference.com website.

HOTEL DIRECTIONS

FROM THE EAST

- Take the Long Island Expressway to Queens Midtown Tunnel.
- Go through the tunnel to 3rd Avenue.
- Go uptown until you come to 53rd Street.
- Turn left.
- Continue to 7th Avenue.

FROM THE NORTH

- Take the New York Thruway South to Henry Hudson Parkway.
- Proceed south to the 56th Street Exit.
- Travel across 56th Street to 7th Avenue.
- Turn right on 7th Avenue.
- Continue to 52nd Street.

FROM THE WEST

- Take Route 80 to the George Washington Bridge.
- Cross over the bridge.
- Proceed to Henry Hudson Parkway South.
- Take the 52nd Street Exit.
- Continue to 7th Avenue.

FROM THE SOUTH

- Take the New Jersey Turnpike North.
- Cross over the George Washington Bridge to Henry Hudson Parkway South.
- Go to the 56th Street Exit.
- Travel to 7th Avenue.
- Take 7th Avenue to 52nd Street.

EMS Memorial Dedication

Empire State Plaza

May 19, 2010

11:00 am



Please join us for
remembrance of our
fallen Emergency
Medical Services
Providers

Mark B. Davis

Cape Vincent
Volunteer Fire
Department
January 31, 2009

Louis J. Flury

Union Fire Company
July 26, 1987

Richard F. Quigley

Hudson Valley
Paramedic Service
January 10, 2009

For further information including group attendance or emergency
vehicle registration please contact Donna Johnson at 518-402-0996 ext 3

**New York State Department of Health
 Bureau of Emergency Medical Services
 Vital Signs NYS EMS Conference
 August 26-29, 2010
 Sheraton New York Hotel & Towers
 New York City, New York**

NEW YORK CITY

KEY

 Official NYC Information Centers and Kiosks	 Accommodations
 City Parks	 Attractions
 Lakes and Rivers	 Dining

1 Applebee's Neighborhood Bar & Grill (West 50th)	9 Grand Central Station
2 Applebee's Neighborhood Bar & Grill (West 42nd)	10 Guggenheim Museum
3 Bubba Gump Shrimp Company	11 Hard Rock Cafe
4 Chevy's	12 Macy's
5 Columbus Circle	13 Metropolitan Museum of Art
6 Dave & Buster	14 Museum of Modern Art
7 ESPN Zone	15 Planet Hollywood
8 Empire State Building	16 Rockefeller Center
	17 Sheraton New York Hotel & Tower
	18 Whitney Museum

