



CLINCON 2013

All New - EMS, Nursing and Physician Education

July 18-21, 2013 · Caribe Royale Orlando · Orlando, FL

CONFERENCE HIGHLIGHTS

PRECONFERENCES

- International Trauma Life Support (ITLS) Instructor Course
- NAEMT Tactical Casualty Care for Law Enforcement & First Responders
- The Gravity of Gravity - Senior Falls Prevention

GENERAL SESSIONS

- The Richard Slevinski Keynote Presentation: Critical Thinking in EMS
- Perfusion Confusion
- Chest and Abdominal Trauma
- Avoiding Common Pre-hospital Errors: Don't Bury Your Mistakes!

BREAKOUTS

- Recent Advances and Research in CPR
- Pediatric Shock & Fluid Management
- Applications of Capnography in the Intubated and Non-Intubated Patient
- Education Micro Burst Sessions
- Trauma Care - Past, Present & Future
- Beyond ROSC: EMS and the Post Cardiac Arrest Syndrome
- Pediatric Respiratory Emergencies
- Friday Night Lights Out -Pediatric Concussion Syndrome

SKILLS

- Tactical & Practical - Care Under Fire
- Ultrasound (FAST)
- Advanced Airway
- LVAD - Left Ventricular Assist Device



DATES & LOCATION

When: July 18 - 21, 2013

Where:

Caribe Royale Orlando Resort
8101 World Center Drive Orlando, FL 32821
800-823-8300
thecaribeorlando.com

ALS/BLS COMPETITION

**2013 Bill Shearer
International Advanced
& Basic Life Support
Competition**



When: July 18 -19, 2013

The ALS/BLS Competition provides EMT and Paramedic Teams the opportunity to compete against other premier National and International ALS/BLS Teams.

Get More Info at emlrc.org/alsbils

CONTINUUM OF EMERGENCY CARE

EMTS / PARAMEDICS / NURSES / PHYSICIANS

LEARNING OBJECTIVES

- List activities older adults could participate in to improve their physical mobility.
- Identify environmental/home safety hazards affecting the elderly.
- State common adverse effects of prescription and non-prescription medications and their effects on the elderly.
- State return to play recommendations for children after treatment for a head injury/concussion.
- Describe the evaluation of children with acute head injuries to identify subtle signs of head injuries/concussions.
- Describe the evaluation of LVAD patients.
- Identify appropriate treatment options for LVAD patients.
- Explain the importance of calling the LVAD representative and getting patient to an LVAD center.
- Recognize pitfalls related to the confirmation of endotracheal tubes.
- Review how patient refusals can expose providers to unnecessary liability.
- Identify a program of reporting medical errors that makes the practitioner feel safe.
- Describe and discuss the criteria for continuous quality improvement (CQI) systems and procedures for disclosing significant medical errors to patients.
- Describe the appropriate steps to take in active shooter situations.
- Identify evacuation criteria in an active shooter setting.
- Review the appropriate "rule of engagement" with an active shooter.
- Review the appropriate protocols for management of patients in an active shooter situation.
- Develop or fine tune basic Emergency Medicine Ultrasound skills.
- Focus on a basic understanding of ultrasound physics and orientation.
- Become more familiar with performing FAST (Focused Assessment with Sonography for Trauma) and vascular access procedures.
- Review clinical applications of ETCO₂.
- Discuss evidence based approach to airway confirmation.
- Review recent literature describing the role of ETCO₂ in sepsis.
- Discuss the principles of Capnography in the Intubated and non-Intubated patient.
- Discuss the current science as it relates to cardiopulmonary resuscitation.
- Define post cardiac syndrome.
- Review the physiological changes taking place immediately post arrest.
- List pre-hospital interventions linked to improved patient outcomes after ROSC.
- Illustrate increased awareness of clinical risk of violence.
- Identify Acting vs. Directed Shooter.

PROGRAM SCHEDULE

THURSDAY, JULY 18TH

Registration	7:00A - 5:00P
Exhibits Open	10:00A - 1:00P
Exhibits Open	4:00P - 6:00P

BILL SHEARER INTERNATIONAL ALS/BLS COMPETITION

Preliminary Rounds - *Not open to the public* 8:00A – 5:00P

Awards Announcements 6:00P - 7:00P

PRECONFERENCES

Preconference One 8:00A-5:00P

International Trauma Life Support (ITLS) Instructor Course

David Bowden, MD, FACEP

Jeffery Gilliard, REMT-P, CCEMT, FPC, BS

The instructor course prepares EMS professionals to teach ITLS courses. To participate, potential instructors must be a current ITLS (or PHTLS) provider, demonstrate instructor potential, and have a letter of recommendation from an ITLS affiliate faculty, a physician Medical Director or an employer training officer.

Preconference Two 8:00A - 5:00P

NAEMT Tactical Casualty Care for Law Enforcement and First Responders

Cape Fear Tactical Medicine

Designed for EMS and medical professionals of all levels of training, this one-day program provides the foundation needed to create world-class Tactical Medical Providers. The program covers the essential curriculum of tactical medicine prepares you to safely accompany a SWAT unit into the tactical environment. Topics include tactical patient assessment, expedient extrication and evacuation and introduces specialized equipment and techniques used by Tactical Medical Providers.

Preconference Three 9:00A – 4:00P

The Gravity of Gravity - Senior Falls Prevention

Richard Slevinski, MD, FACEP

Ernest Page II, MD, FACEP

Todd Husty, MD, FACEP

Each year, 1 out of 3 adults age 65 and older fall. This program will discuss and demonstrate statistics, in home hazards, risk factors, management of fall victims, model fall prevention programs and a case review. Health Care Providers have a unique opportunity to help reduce falls by when visiting the home of an elderly person or interviewing them after an injury occurs from a fall, they can identify potential fall hazards and bring those to the attention of the resident(s) and provide resources for additional recommendations e.g. risk reduction devices.

Sponsored by an educational grant awarded by



FRIDAY, JULY 19TH

Registration 7:00A - 5:00P

Opening Ceremony 8:00A - 8:15A

Exhibits Open 9:00P - 6:00P

GENERAL SESSIONS

The Richard Slevinski Keynote Presentation 8:15A - 9:15A

Critical Thinking in EMS

Ray Fowler, MD, FACEP

Critical thinking is the process of determining the authenticity, accuracy or value of something; characterized by the ability to seek reasons and alternatives, perceive the total situation and change one's view based on evidence. This session will review the three key parts to critical thinking in EMS; medical inquiry, clinical decision making and clinical reasoning.

Friday, July 19th, continued

Break in Exhibit Hall 9:15A - 9:45A

Chest & Abdominal Trauma 9:45A - 10:45A

Darwin Ang, MD, PhD, FACS

Chest and abdominal trauma are common injuries sustained from both blunt force and penetrating trauma. This session will cover the assessment, recognition and acute interventions performed by EMS providers.

BILL SHEARER INTERNATIONAL ALS/BLS COMPETITION

Competition Finals - Open to the Public 11:00A - 5:00P

Awards Ceremony- Open to the Public 6:00P - 7:00P

BREAKOUT SESSIONS 11:00A - 12:00N

Recent Advances and Research in CPR

Ray Fowler, MD, FACEP

The Resuscitation Outcome Consortium Pre-hospital Resuscitation Impedance valve (ROC PRIMED) has demonstrated the key to high level of function recovery after ROSC is high quality CPR. This presentation will explain the key points of high quality CPR; compression fraction, compression rate, compression depth, and pre-shock pause length and minimally interrupted cardiac resuscitation (MICR).

Pediatric Shock & Fluid Management

Julie L. Bacon, BA, RNC-LRN, CPEN, C-NPT

We all know pediatrics are not "little adults". The compensatory abilities of pediatrics are incredible and as EMS providers we must change our perspective, instead of assessing for shock we need to assess for compensation for shock and provide appropriate management. This session will review the child's response to illness and injury and provide guidelines for fluid management in cases of shock.

Applications of Capnography in the Intubated and Non-Intubated Patient

Sal Silvestri, MD, FACEP

Chris Hunter, MD, PhD

Waveform capnography with quantitative values of end-tidal carbon dioxide (ETCO²) provides an abundance of valuable information to pre-hospital providers. A demonstrable waveform with ETCO² level is a nearly fool-proof way to determine proper location of the endotracheal tube in the pre-hospital setting. Monitoring capnography and trending ETCO² allows providers to maintain quality CPR and recognize ROSC. Assess, diagnose and monitor interventions of bronchospasms. Monitoring ETCO² in obtunded or sedated patients significantly improves recognition of hypoventilation and decreases adverse effects. This presentation delivers a detailed overview of capnography, and describes utilization of this valuable tool for pre-hospital providers.

EDUCATION MICRO-BURSTS

Various Mini Presentations 1:30P - 4:30P

Enjoy 15 - 20 minute presentations in the Exhibit Hall. Presentations start on the half hour.

Lunch Provided in Exhibit Hall 12:00N - 1:00P

SKILLS LABS - Get your spot early, maximum 24 stations per lab.

Skills Lab One 1:00P - 2:45P

Break in Exhibit Hall 2:45P - 3:15P

Skills Lab Two 3:15P - 5:15P

SKILLS LABS CHOICES - Select One Per Lab Breakout

Tactical & Practical - Care Under Fire

R.E. Suarez, CCEMTP, DMT-A, NCEE

The principles of tactical casualty care (TCC) need to be applied to day to day EMS operations. This session will introduce key concepts of TCC and provide hands-on opportunity to practice life saving skills (e.g. tourniquet and combat dressing application).

Ultrasound (FAST)

TBA

This will be a primarily hands-on lab in which participants will be able to develop or fine tune their skills in basic emergency medicine ultrasound. A short didactic portion will focus on a basic understanding of ultrasound physics and orientation. The hands on portion will allow participants to become more familiar with performing Focused Assessment with Sonography for Trauma (FAST) and vascular access procedures.

Advanced Airway

Gary Parrish, MD

This session will provide a systematic overview of the continuum of care needed to manage the airway in the adult and pediatric patients in both pre-hospital and critical care environment, which includes hands on practice with a variety of airway management devices.

LVAD - Left Ventricular Assist Device

Jana Reid, ARNP-BC, MSN

This session will offer an overview of Ventricular Assist Device (VAD) technology including indications for use, therapy goals, components, and recognizing and managing VADs in the pre-hospital setting. The course will offer both didactic training as well as an engaging hands-on experience.

Club ClinCon 7:00P - 10:00P

Enjoy a night of fun with DJ Danny Griffin.

SATURDAY, JULY 20TH

Registration 7:00A - 5:00P

Exhibits Open 8:30A - 1:00P

Welcome & Announcements 8:00A - 8:15A

GENERAL SESSIONS

Perfusion Confusion 8:15A - 9:15A

Ed Racht, MD

Air goes in and out, blood goes round and round and blue is bad, is it that simple? The presence of pulses does not equate to perfusion, and breathing does not equate to ventilation. This session will review the dynamics of perfusion and tools (e.g. ETCO², serum lactate, etc.) available to accurately assess perfusion status. At the end of this session you will not just know perfusion, but understand it.

Break in Exhibit Hall 9:15A - 9:45A

Avoiding Common Pre-hospital Errors: Don't Bury Your Mistakes! 9:45A - 10:45A

Benjamin Lawner, DO, EMT-P, FAAEM

This presentation focuses on errors encountered in the pre-hospital setting. Errors can be compounded by a lack of reporting and a lack of awareness about patient outcomes. Engage in active, case-based discussion about how to keep your patients safe. Discuss initiatives designed to increase patient safety and discover how keeping up with the literature can keep you out of trouble.

BREAKOUT SESSIONS

Trauma Care: Past, Present & Future

11:00A - 12:00N

Ed Racht, MD

"Squad 51, this is Rampart General go ahead with your report." How times have changed, or have they? Trauma care continues to evolve and the lessons learned, and unlearned, from theaters of combat operations have come at a high price. The use of tourniquets has gone full circle, fluid resuscitation continues to evolve and the use of hemostatic agents is not without controversy. This presentation will review past and present practices and unveil what is in our, not to distant, future (e.g. Tranexamic acid-TXA, permissive hypotension, etc.).

Beyond ROSC: EMS and the Post Cardiac Arrest Syndrome

Benjamin Lawner, DO, EMT-P, FAAEM

Resuscitation doesn't end with the return of pulses. EMS plays a meaningful role in achieving better outcomes from cardiac arrest. Following ROSC, providers must pay close attention to vital signs and take steps to preserve hemodynamic stability. Discuss post arrest physiology and promote early recognition of the post cardiac arrest syndrome (PCAS).

Pediatric Respiratory Emergencies

Shiva Kalidindi, MD, MS, MPH, FAAP

Respiratory complaints in children is one of the leading reasons for EMS response and ED visits. Proper assessment is imperative to differentiate between respiratory distress and respiratory failure. Early recognition and intervention cannot be over emphasized. This session will discuss common causes that trigger a reactive airway, prevention strategies, assessment and acute interventions.

Lunch On Own

12:00N - 1:00P

Friday Night Lights Out:

1:00P - 4:00P

Pediatric Concussion Syndrome

Danny Griffin, AS, CCEMT-P

Jason L. Zaremski, MD

Pediatric head injuries are under recognized and under treated particularly in terms of long term effects and return to play recommendations. EMS providers need to be able to identify concerning features for long term damage and make the appropriate recommendations for return to play for children with acute head injuries. This session is designed to provide the participants information on the prevalence of repetitive concussions, assessment tools for "return to play" criteria and concussion prevention.

SKILLS LABS - Get your spot early, maximum 24 stations per lab.

Skills Lab One

1:00P - 2:45P

Break

2:45P - 3:15P

Skills Lab Two

3:15P - 5:15p

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Tactical & Practical - Care Under Fire

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SUNDAY, JULY 20TH

Registration

8:00A - 9:30A

Announcements

8:45A - 9:00A

GUN! THE ACTIVE SHOOTER

Active Shooters are an unfortunate reality we must all address. During this session subject matter experts will discuss past incidents, lessons learned, identifying warning signs before and after an incident, what should your response be if it happens where you are at (run, hide, fight), planning, current tactics in the emergency response, scene command and rebuilding (including emotional first aid) after an Active Shooter incident. At the end of the session the panel will take questions. Although this is part of an EMS clinical conference the information is relevant to everybody in all organizations; schools, businesses, hospitals, entertainment industry, etc.

Part One

9:00A - 10:15A

History, Background, Lessons Learned, Identifying Warning Signs

Mike Roche

Break

10:15A - 10:30A

Part Two

10:30A - 12:00N

Reacting To: Escape, Evade or Engage Planning Your Emergency Response

Robert Creager, AS, EMP-T

Command & Rebuilding

Paul Ford, PhD, MBA

Continuing Education Information

ACCME - The Emergency Medicine Learning and Resource Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The EMLRC designates this live activity for a maximum of 2.425 AMA Category 1 PRA Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

FBON - The Emergency Medicine Learning and Resource Center is approved as a provider of nursing education by the Florida Board of Nursing, Provider #2731. Up to 2.42 nursing contact hours will be provided by the EMLRC.

FBEMS - The FL. Dept of Health, Bureau of EMS Approval Code# 20-395524, for 2.4 hours of continuing education credit.

CECBEMS - The following continuing education activity is approved by The Emergency Medicine Learning and Resource Center, a Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS) accredited organization, Provider #EMLRC0003. Activity# 13-EMLRC-F1-0001 is approved for 2.4 hours of continuing education credit.