

2023 LECTURE OBJECTIVES

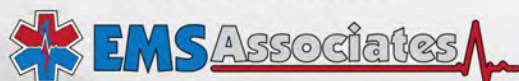
THE 46TH ANNUAL

THE SUMMIT

IN PROVO

EMS & EMERGENCY SERVICES CONFERENCE

PRESENTED BY:



BUDDY TO BOSS - SURVIVING LEADERSHIP

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Explain why the transition from co-worker to supervisor is difficult.
2. Explain the most common ethical dilemmas that supervisors must face.
3. Explain the power of positive assumptions.
4. Explain the top 10 tips for effective supervision.

SEXY AIRWAY SECRETS - FOR HIGH PERFORMANCE OXYGENATION

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Rapidly determine the size of nasopharyngeal airways for placement.
2. Describe when to use a PEEP valve with a BVM.
3. Describe how to effectively use a BVM for ventilation
4. Explain why a nasal cannula can be used for passive oxygenation.
5. Explain how to improve oxygenation during a CPAP treatment.

PUTTING POPS BACK TO BED - UNDERSTANDING THE PERILS OF THE ROUTINE LIFT ASSIST

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Explain the issues associated with consent and field refusals.
2. Describe the concept of abandonment associated with refusals.
3. Explain the concept of the informed refusal and the limitations of refusal forms.
4. Explain the medical-legal issues associated with field refusals.
5. Explain three major areas of legal risk for EMS providers.

BUSTED! MANAGING UPPER EXTREMITY FRACTURES AND DISLOCATIONS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe the most common causes/mechanisms of upper extremity trauma.
2. Describe basic extremity anatomy and the neurovascular bundle.
3. Describe visceral and somatic pain and three methods of pain control.
4. Describe fractures and dislocations of the clavicle, shoulder, humerus, radius, and ulna.
5. Describe methods for immobilizing common fractures/dislocations.

WILD MEDICINE - CASE STUDIES IN TRAUMA

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe how assessment techniques need to be modified in an austere environment.
2. Explain the concepts of spinal assessment and spinal motion restriction.
3. Explain both basic and advanced techniques used for pain management.
4. Describe modern techniques for spinal motion restriction.
5. Explain the role of traction splints in managing femur fractures.

OLD GUYS RULE - AND TAKE A LOT OF MEDS TOO!

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Explain the drugs commonly used to treat hypertension
2. Explain the drugs commonly used to treat cardiac disease such as A-Fib
3. Explain diabetes common diabetic medications
4. Explain common pain medications and possible complications
5. Explain common psychoactive and pulmonary medications

HANDS-ON PHYSICAL ASSESSMENT WORKSHOP

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Be able to locate the anatomical landmarks for common pulses to include.
2. Be able to locate the anatomical landmarks for lung auscultation.
3. Demonstrate the correct technique for lung auscultation.
4. Locate abdominal organs by quadrant.

BUSTED! MANAGING LOWER EXTREMITY FRACTURES AND DISLOCATIONS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe the most common causes/mechanisms of lower extremity trauma.
2. Describe basic extremity anatomy and the neurovascular bundle.
3. Describe visceral and somatic pain and three methods of pain control for fractures.
4. Describe fractures and dislocations of the hip, knee and ankle.
5. Describe fractures of the pelvis, femur, tibia and fibula.
6. Describe methods for immobilizing common fractures/dislocations.
7. Explain when a traction splint is indicated and why.

ALL SHOOK UP! UNDERSTANDING SEIZURES

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Explain what a seizure is.
2. Explain what a simple and complex partial seizure is.
3. Describe the different types of general seizures.
4. Explain the conditions that may mimic seizures.
5. Explain the assessment and treatment of status epilepticus.

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DIABETES - WHY DON'T YOU JUST CONTROL IT?

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Normal physiology of blood glucose control in a non-diabetic
2. What goes wrong in diabetes
3. Why is it so difficult to control? The double-edged sword of hypoglycemia and hyperglycemia
4. Psychological factors in the control of diabetes
5. Recognition and treatment of emergency situations

**RICK
HOWARD**

HEART/LUNG LAB - PRE-CON

OBJECTIVES:

At the completion of this session the student will be able to:

1. Students will learn about the anatomy and physiology of the heart and lungs, including the structures and functions of each organ.
2. Students will learn how to diagnose and treat common heart and lung conditions encountered in the field as a paramedic, such as heart attacks, pulmonary embolisms, and pneumothorax.
3. Students will identify and label the different structures.
4. Students will learn about the pathophysiology of heart and lung diseases, including how they develop and progress, and how they can be treated or managed

12- LEAD TRAINING

OBJECTIVES:

At the completion of this session the student will be able to:

1. Identify and Interpret 12-Lead ECG Patterns
2. Differential Normal and Abnormal ST Segments
3. Diagnose STEMI and Its Subtypes
4. Understand Emergency Response and Communications

KEN BOUVIER

BICYCLES, BATS, BALLS & TRAUMA CALLS - KIDS WITH SPORTS INJURIES

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Discuss common injuries and medical emergencies.
2. Discuss BLS and ALS treatment for sports injuries.
3. Discuss sports-related trauma calls.
4. Discuss treatment for sprains and strains.

HOT CAR DEATHS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Review statistics for Utah.
2. Discuss basic and advanced care for hot car victims.

INDUSTRIAL STRENGTH EMS & FIRST RESPONDERS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Understand the most common calls for EMS involving industrial facilities.
2. Discuss what type of staffing is available in some facilities.
3. Discuss transporting options in rural areas.

HEROIN, FENTANYL, OPIOID OVERDOSE

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Understand and management of patients of heroin use.
2. Discuss the chemical names of heroin.
3. Discuss street names of heroin.

METHAMPHETAMINE

OBJECTIVES:

1. How to prepare for the arrival of a patient from a Clandestine or Meth Lab.
2. How to recognize patients concealing knives and guns.
3. Understand how violent these patients can become.
4. Understand the importance of wearing Body Substance Isolation.
5. Understand the importance of responding safely to a Meth Lab.
6. Understand BLS & ALS for treating Methamphetamine users.

HOUSE HAZARDOUS MATERIALS - POISON UNDER THE KITCHEN SINK (UPDATED 2023)

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Discuss how injuries happen with household products.
2. Discuss how children get exposed to dangerous chemicals.
3. Discuss specific products and their toxic exposure.

FIGHT OR FRIENDSHIP? DE-ESCALATION OF THE AGITATED AND PRE-VIOLENT PATIENT

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe 5 behaviors that can lead to a violent patient encounter.
2. Advocate for de-escalation and voluntary compliance in pre-violent patient.
3. Use verbal judo techniques to de-escalate a potentially violent patient encounter.

THE BOOZE CHALLENGE - EMS ASSESSMENT OF ETOH IMPAIRED PATIENTS

OBJECTIVES:

At the completion of this session the student will be able to:

1. Formulate a differential diagnosis when treating patients with altered
2. mental status that includes alcohol ingestion.
3. Integrate pathophysiology principles with critical decision-making in patients with acute alcohol intoxication.
4. Discuss ethical considerations when treating patients with alcohol ingestion and chronic conditions related to the long-term use of alcohol.

BACK FROM THE EDGE - SUICIDE INTERVENTION TECHNIQUES

OBJECTIVES:

At the completion of this session the student will be able to:

1. Perform a suicide lethality assessment and identify patients at high-risk of death by suicide.
2. Use critical thinking strategies to develop differential diagnoses and care for patients who are suicidal.
3. Advocate for patient safety and human crisis intervention and transportation for patients at risk of suicide.

YOU MAKE THE CALL - CASES WITH A TWIST

OBJECTIVES:

At the completion of this session the student will be able to:

1. Use critical thinking to develop differential diagnoses in patients with traumatic injuries.
2. Use deductive reasoning to determine the mechanisms of traumatic injuries.
3. Describe evidence-based practices related to trauma and triage.

THE ACUTE ABDOMEN

OBJECTIVES:

At the completion of this session the student will be able to:

1. Differentiate between life threatening conditions that present with abdominal pain.
2. Use critical thinking strategies to develop differential diagnosis in patients suffering from gastrointestinal conditions.
3. Advocate for evidence based practices in prehospital patients presenting with severe abdominal pain.

NO-LOADS - COERCED OR TRUE PATIENT REFUSAL?

OBJECTIVES:

At the completion of this session the student will be able to:

1. Identify patients who are at high risk of bad outcomes when not transported by EMS.
2. Use critical thinking strategies to develop differential diagnoses in patients refusing transport.
3. Advocate for patient safety and transportation for high-risk non-transport patients.

**DAVID
WEBER**

EMS TEAM DYNAMICS (KEYNOTE)

OBJECTIVES:

At the completion of this session the student will be able to:

1. Overview of technical versus non-technical skills.
2. Characteristics of high-performing individuals and teams.
3. Outline the barriers to increasing performance.

PREHOSPITAL PEDIATRIC TRAUMA

OBJECTIVES:

At the completion of this session the student will be able to:

1. Review of life threats and leave priorities.
2. Discuss barriers to optimal pediatric patient care.
3. Discuss thorough patient assessment strategies.

MOUNTAIN MEDICINE

OBJECTIVES:

At the completion of this session the student will be able to:

1. Assessment and treatment of cold injury/frostbite.
2. Assessment and treatment of cold illness/hypothermia.
3. Assessment and treatment of high-altitude illness.

EMS AND HELICOPTERS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe helicopter techniques commonly performed.
2. Outline a helicopter response for EMS in the field.
3. Review a case study of a helicopter accident due a SAR mission.

WHITEWATER IS FUN! KEEP IT THAT WAY!

OBJECTIVES:

At the completion of this session the student will be able to:

1. Learn how water moves and how to predict the effects it will have on you and patients in the water.
2. Keeping yourself safe in and around moving water – what you need to know, what you need to wear, and whom you need to keep safe first.
3. KISS rescue in swift water rescue.
4. Learn the right way to move efficiently around in moving water.
5. How to rescue someone and keep yourself as safe as possible.

"OVER THE EDGE" - BASIC ROPE SKILLS FOR RESPONDERS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. How to effectively tie the most used knots in rope rescue.
2. How to look at a rope system and know what you are looking at.
3. How to tie yourself into a system for lowering to a patient (belayed and un-belayed for a hasty response).
4. Understand what you can and should do and what you should leave to rope technicians.

**GARY
SANDERSON**

**INTRODUCTION TO WOUND CARE AND
WOUND MANAGEMENT**

OBJECTIVES:

YOUTH PATHFINDERS You don't want to miss this great opportunity.

The Youth Pathfinder suturing class is designed to provide participants and introductory hands-on presentation of the principles, materials, and method involved in suturing various complexities. This includes from minor lacerations to more complex. Led by a seasoned emergency room physician, in both teaching and practicing suturing. This class is for Youth Pathfinders only. **NO CE AVAILABLE FOR THIS CLASS.**

AIRWAY/NEEDLE CRICOTHYROTOMY/SURGICAL AIRWAYS

OBJECTIVES:

At the completion of this session the student will be able to:

- 1. Anatomy/Physiology of the Trachea**
- 2. Early recognition of the need for intervention Indications**
- 3. Contraindications for intervention**
- 4. Hands-on Needle Cricothyrotomy**
- 5. Hands on Surgical Cricothyrotomy**
- 6. This class is for Youth Pathfinders only.**

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NO CE AVAILABLE FOR THIS CLASS.

KEVIN MCCARTHY

MINI AIRWAY LECTURE WITH BIG HANDS-ON

OBJECTIVES:

At the completion of this session the student will be able to:

1. Identify the signs and symptoms of respiratory distress, failure, and arrest.
2. Apply appropriate interventions and treatments in various airway management scenarios.
3. Recognize the importance of early identification of respiratory compromise and the benefits of aggressive interventions.

DON'T SAY "CAN'T TOUCH THIS-" BASIC PATIENT ASSESSMENT THAT MATTERS!

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Get organized- Apply a systematic, case-based approach to patient assessment scenarios.
2. Take it all in, and leverage all information to develop a working diagnosis (yes- diagnosis) for treating your patient.
3. Don't overlook the 5- Identify patient conditions requiring rapid transport and definitive care.

DO PEDIATRIC DOSING - PEDS CALCULATIONS AND SKILLS MADE EASY (HANDS-ON)

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Understand the prompt recognition of the signs of pediatric decompensation using the PAT.
2. Understand the ideal weight estimation and accurate medication dosing calculation.
3. Determine and understand the medication dose-to-volume calculation and administration.
4. Understand the appropriate vascular access and fluid bolus administration.

REBECCA ETHINGTON

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PEDIATRIC TRAUMA - MULTI TRAUMA

OBJECTIVES:

At the completion of this session, the student will be able to:

- 1. Discuss the assessment of the injured child**
- 2. Learn the differences between children and adults in the trauma setting.**
- 3. Management and stabilizing the injured child for transport.**

ETHICAL CONCERNS FOR EMS PROVIDERS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Review standards for performing provider services.
2. Identify situations where EMS are forced to make difficult decisions.

JARED RASMUSSEN

FACIAL AND CRANIAL INJURIES

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Understand anatomy and physiology of key anatomical regions and
2. mechanisms of injury including lacerations and fractures to the facial region
3. Recognize life threats and pitfalls associated with these emergencies and injuries
4. Learn how to manage on field trauma related issues with the cranium, face, nose, ears, and eyes
5. Understand common oral and dental injuries and initial management

BRADY TUCKER

ALTERED MENTAL STATUS

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Understand diagnostic and treatment for AMS in the prehospital setting.
2. Discuss considerations with patients of concussion and decreased responsiveness from baseline.

BIG TONGUE, BIG PROBLEMS -- IDENTIFICATION AND TREATMENT OF ANGIOEDEMA

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Identify angioedema.
2. Discuss angioedema and its presentation.
3. Distinguish causes and treatment.

OCULAR INJURIES

OBJECTIVES:

At the completion of this session, the student will be able to:

1. Describe when to suspect ocular injuries.
2. Learn how to recognize and describe ocular injuries.
3. Determine what you need to do immediately as EMS providers.
4. Understand what NOT to do as EMS providers.

COMPASSIONATE COMMUNICATION -- A GUIDE TO SUPPORTING GRIEVING FAMILIES ON SCENE

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