



# Fall 2023 KEMSA CORE Conference Agenda – November 17-19, 2023

## **Friday, November 17, 2023**

1200-1300: *Registration*

1300-1500 **ARV, Part I** – Ventilation/Oxygenation, BLS Airway Management, ALS Airway Management, Pharm/Med Admin – Jon Friesen

1500-1515 *Break*

1515-1715 **ARV, Part 2** – Ventilation/Oxygenation, BLS Airway Management, ALS Airway Management, Pharm/Med Admin – Jon Friesen

Objectives:

- Using information from a review presentation, the student will be able to describe the anatomy of the respiratory system pertinent to EMS providers.
- Using information from a review presentation, the student will be able to describe the physiology of the respiratory system pertinent to EMS providers.
- Given mnemonics, the student will be able to identify patients for whom bag-valve-mask ventilations, supraglottic airways, and endotracheal intubation will be difficult.
- Given information, the student will understand and be able to apply an escalating airway algorithm for patients experiencing respiratory difficulty.
- Given case studies, the student will develop a treatment plan for respiratory difficulty patients that uses the escalating airway algorithm in an acceptable fashion.
- Given case studies, the student will demonstrate the ability to determine appropriate medication administration for patients with respiratory difficulty.

1715-1730 *Break*

1730-1830 **Pediatrics** - Shelby Durler

Objectives:

- Discuss the presentation and treatment of common pediatric respiratory and infectious emergencies
- Discuss fluid resuscitation of the pediatric patient

## **Saturday, November 18, 2023**

0800-1000 **Medical 1** – Shelby Durler

Objectives:

- Discuss common psychiatric emergencies in the prehospital setting and their management.
- Discuss toxicologic emergencies that often overlap with psychiatric presentations.
- Discuss sepsis and its common infectious etiologies.
- Discuss the management of septic shock and organ failure.

1000-1015: *Break*

1015-1215 **Trauma** – David Fitzhugh

- Summarize different hemorrhage control treatment techniques.
- Review spine and CNS anatomy.
- Identify possible injury management difficulties in equipment laden athletes.
- Describe injury management in mass casualty incidents including active shooter events and large transportation incidents.
- Explain management techniques for burn/soft tissue injury patients.
- Summarize the physiology of shock and treatment considerations.
- Examine blunt and penetrating trauma management techniques.
- Evaluate current recommendations to treat hyperactive delirium with severe agitation.

1215-1315 *Lunch on Your Own*

1315-1515 **Cardiovascular** – The Future of Epinephrine in Cardiac Arrest / Post Resuscitation Care Adiel Garcia

The Future of Epinephrine in Cardiac Arrest

- The learner will be able to re-define survival in cardiac arrest.
- The learner will be able to deduce epinephrine's future dosage in cardiac arrest.

Post Resuscitation Care:

- The learner will be able to summarize the mechanisms and manifestations of post-cardiac arrest syndrome.
- The learner will be able to appraise the evidence-based interventions and management of post-resuscitation care.

1515-1530 *Break*

1530-1730 **Operations** – Radio Etiquette & Scene Size-up & Controlling the Chaotic Scene / Status Management & Landing Zone - Lindsey Estep

Radio Etiquette Objectives:

- By the end of this course, providers will be able to develop a clear and adequate radio report.
- By the end of this course, providers will be able to communicate clearly with Dispatch, PD, FD, and Nursing staff.

Scene Size-up Objectives:

- By the end of this course, providers will be able to adequately give a scene size up of a chaotic scene.
- By the end of this course, providers will be able to recognize multiple types of hazards in the field and how to mitigate them.
- By the end of this course, providers will be able to recognize a chaotic scene.
- By the end of this course, providers will be able to recognize multiple types of hazards in the field.
- By the end of this course, providers will be able to recognize multiple types of hazards in the field and how to mitigate them.
- By the end of this course, providers will be able to explain the importance of empathy in high stress situations.

- By the end of this course, providers will be able to implement incident command and management into a chaotic scene.

Status Management Objectives:

- By the end of this course, providers will be able to determine how to place a responding vehicle to respond to an incident.
- By the end of this course, providers will be able to determine how to travel through a responding area to guarantee the best response times.

Landing Zone Objectives:

- By the end of this course, providers will be able to implement incident command and management into a chaotic scene.
- By the end of this course, providers will be able to recognize hazards and how to mitigate them when setting up an LZ.
- By the end of this course, providers will be able to adequately set up an LZ.
- By the end of this course, providers will be able to give an adequate Pt hand off report to the Air Transport staff.

## **Sunday, November 19, 2023**

0800-1000 **Medical 2** – Sepsis: Slaying the Silent Killer: Unmasking Sepsis Secrets / Diabetic Emergencies: Navigating the Diabetic Storm: Preparedness & Response Nicholas Larmer

Sepsis Objectives:

- Recognize subtle indicators of sepsis for prompt diagnosis and intervention.
- Explore the latest therapeutic approaches to effectively manage sepsis cases in the pre-hospital and clinical settings.
- Educate on sepsis prevention and recognition.

Diabetic Emergencies Talk Objectives:

- Understand the essentials of managing hyperglycemic crises in diabetic patients.
- Gain insights into the identification, assessment, and swift management of hypoglycemic emergencies.
- Equip EMS professionals with the tools to educate patients and their families on preventing and managing diabetic emergencies at home.

1000-1015 *Break*

1015-1215 **Medical 3** – Renal Emergencies / Aortic Aneurysm - Connor Bounds

Renal Emergencies Objectives:

At the end of this presentation, participants will be able to:

- Have a basic understanding of renal structure/function
- Have a basic understanding of renal failure and management via dialysis
- Describe the step-wise assessment of the renal failure/dialysis patient
- Identify critical interventions in the renal failure patient
- Apply interventions to a simulated patient

Aortic Aneurysm Objectives:

At the end of this presentation, participants will be able to:

- Identify pertinent patient exam questions to identify specific aortic pathologies.
- Be able to discuss pathophysiology and prevalence of specific aortic pathologies.
- Identify and implement critical treatments for specific aortic pathologies.

1215-1315 *Lunch on Your Own*

1315-1515 **Cardiovascular 2** – Unlearning What you thought you knew about Cardiac Arrest - Kevin Joles  
Objectives

- SCA science, data and common-sense review
- The importance of Ventilation and Respiration in cardiac arrest
- What is changing in cardiac arrest?
- Optimizing the patient, the system and the community

1515-1530 *Break*

1530-1730 **Cardiovascular 3**– Clayton Steele

Objectives:

- By the end of the presentation, the student will be able to explain with a high degree of precision when asked why the 12 lead ECG is an important diagnostic tool for the prehospital provider.
- By the end of the presentation, the student will be able to label an image of the cardiac anatomy with a focus on electrical components with 100% accuracy and no references used.
- By the end of the presentation, the student will be able to explain with a high degree of precision when asked how ECGs work in relation to the associated cardiac muscle.
- By the end of the presentation, the student will be able to recognize when presented with a 12 lead ECG with a high degree of accuracy different patterns of AMI that may not meet traditional STEMI criteria.

Note: CE will be awarded in two-hour blocks, so you must attend a full two-hour block for credit for those topics/subtopics. (Exception: Pediatrics is a one-hour block to meet the EMT requirement.)