

MyEMSCert Study Points

Cardiac Arrest and Shock

Cardiac Arrest

- Pathophysiology of cardiopulmonary resuscitation
- Prehospital CPR quality
- Treatment of cardiac arrest with BLS only
- Pharmacologic action of epinephrine in cardiac arrest
- Role of capnography in cardiac resuscitation
- Treatment of cardiac dysrhythmias
- Treatment non-shockable rhythms
- Treatment of shockable rhythms
- Emergency Medicine Dispatch and cardiac arrest
- Infection control practices in cardiac arrest

Children

- Treatment of pediatric cardiac arrest

ROSC and Survival

- Post-ROSC treatment
- Prehospital predictors of survival and mortality
- Factors associated with survival from out-of-hospital cardiac arrest

Shock

- Clinical presentation of distributive shock
- Treatment of septic shock
- Evaluation and treatment of tension pneumothorax
- Effect of altitude on pneumothorax

Trauma

- Field triage of trauma patients
- TXA administration
- Injury prevention and control
- Factors that affect ETCO₂ in the trauma patient

Procedures

- Assessment of an advanced airway device

Principles of Transport

- Standards for safe ambulance transport
- Criteria for determining destination by appropriate level of trauma center
- The pros and cons of different ambulance deployment models

Futility

- Futility and resuscitation

Protocols and Regulations

- Certification of various national levels of EMS clinicians
- Credentialing, education, certification, and licensure
- Laws that affect EMS agencies and workforce
- Types of laws, including statutes, regulations, and ordinances
- Prearrival dispatch and protocols
- Impact of the Airline Deregulation Act
- The EMS Compact

Children

- Consent for minors