

STUDY POINTS

Cardiac Arrest and Shock Module

MyEMSCert study points can be used to focus areas of study and preparation. The study point does not contain specific information that would lead you to the diagnosis or correct answer but would instead direct you to learning and reference materials.

Cardiac Arrest and Shock Study Points

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

Procedures

- Assessment of an advanced airway device
- Characteristics of different locations for IO placement

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