

Emergency Medical Technician (2024)

PROFESSIONAL ORGANIZATIONS AND LEADERSHIP 1

1 Student Leadership in Career Technical Student Organizations (CTSO) and Professional Associations 1.1

- 1 Explore the role of professional organizations and/or associations in the EMT industry. 1.1.1
 - 2 Define the value, role, and opportunities provided through career technical student organizations. 1.1.2
 - 3 Engage in career exploration and leadership development. 1.1.3
-

PREPARATORY 2

1 EMS Systems, Safety, Ethics, Anatomy, Terminology, and Pathophysiology and Life Span Issues 2.1

- 1 Define the EMS system relating to history, National Highway Traffic Safety Administration (NHTSA), access, education, and authorization to practice. 2.1.1
 - 2 Define and describe the roles, responsibilities, and professionalism of EMS personnel. 2.1.2
 - 3 Describe the purpose of quality improvement. 2.1.3
 - 4 Describe the impact of research on EMS care. 2.1.4
 - 5 Describe the mindsets and traits of successful EMT professionals. 2.1.5
 - 6 Describe issues with workforce safety and wellness. 2.1.6
 - 7 Describe documentation procedures. 2.1.7
 - 8 Describe EMS system communication procedures. 2.1.8
 - 9 Describe therapeutic communication procedures. 2.1.9
 - 10 Describe common ethical issues in medical and legal contexts. 2.1.10
 - 11 Describe human anatomy and function of all human systems within the common scope of EMS. 2.1.11
 - 12 Identify anatomical and medical terms and abbreviations. 2.1.12
 - 13 Describe respiration and perfusion pathophysiology for patient assessment and management. 2.1.13
 - 14 Describe the effects of life span development issues on patient assessment and management. 2.1.14
-

PUBLIC HEALTH 3

1 Basic Principles of Public Health 3.1

- 1 Describe the principles of public health epidemiology including public health emergencies, public health monitoring, health promotion and illness and injury prevention. 3.1.1
 - 2 Describe public health laws, regulations, and guidelines. 3.1.2
 - 3 Describe the role and responsibilities of public health agencies. 3.1.3
-

PHARMACOLOGY 4

1 Principles of Pharmacology 4.1

- 1 Describe general medication safety procedures and issues. 4.1.1
 - 2 Describe the types of medications available to the EMT. 4.1.2
 - 3 Describe basic medication terminology. 4.1.3
 - 4 Assist in the administration of medications to a patient. 4.1.4
 - 5 Identify the rights of medication administration. 4.1.5
 - 6 List the names, actions, indications, contraindications, routes of administration, adverse effects, interactions, and doses of medications that may be administered by an EMT in an emergency. 4.1.6
 - 7 Identify common chronic or maintenance medications patients may be taking to determine safe administration of EMT-provided medications. 4.1.7
-

AIRWAY MANAGEMENT 5

1 Airway Management, Respiration, and Artificial Ventilation 5.1

- 1 Demonstrate techniques for assuring a patent airway. 5.1.1
 - 2 Describe techniques to assess and manage adequate and inadequate ventilation. 5.1.2
-

SCENE AND PATIENT ASSESSMENT 6

1 Scene Assessment 6.1

- 1 Perform a scene size-up. 6.1.1
- 2 Describe situational awareness. 6.1.2
- 3 Describe resources needed to manage the scene. 6.1.3
- 4 Describe types of scene hazards. 6.1.4
- 5 Manage the scene. 6.1.

2 Patient Assessment 6.2

- 1 Describe a primary assessment, establishing patient priority. 6.2.1
 - 2 Assess treatment and procedures needed to preserve life. 6.2.2
 - 3 Describe the importance of investigating the chief complaint. 6.2.3
 - 4 Describe the importance of investigating the patient's medical history. 6.2.4
 - 5 Describe a secondary assessment. 6.2.5
 - 6 Assess vital signs using monitoring devices. 6.2.6
 - 7 Perform a physical examination of affected body systems. 6.2.7
 - 8 Describe how, when, and what (i.e., interventions) to reassess. 6.2.8
-

MEDICINE 7

1 Medical Pathophysiology, Assessment, and Management 7.1

- 1 Describe pathophysiology, assessment, and management of abdominal and gastrointestinal issues. 7.1.1
 - 2 Describe pathophysiology, assessment, and management of cardiovascular issues. 7.1.2
 - 3 Describe pathophysiology, assessment, and management of eyes, ears, nose, and throat issues. 7.1.3
 - 4 Describe pathophysiology, assessment, and management of endocrine disorders. 7.1.4
 - 5 Describe pathophysiology, assessment, and management of genitourinary/renal issues. 7.1.5
 - 6 Describe pathophysiology, assessment, and management of hematology issues. 7.1.6
 - 7 Describe pathophysiology, assessment, and management of immunology issues. 7.1.7
 - 8 Describe pathophysiology, assessment, and management of infectious diseases. 7.1.8
 - 9 Describe pathophysiology, assessment, and management of neurological issues. 7.1.9
 - 10 Describe pathophysiology, assessment, and management of non-traumatic musculoskeletal disorders. 7.1.10
 - 11 Describe pathophysiology, assessment, and management of psychiatric or behavioral issues. 7.1.11
 - 12 Describe pathophysiology, assessment, and management of respiratory issues. 7.1.12
 - 13 Describe pathophysiology, assessment, and management of toxicology issues. 7.1.13
 - 14 Describe pathophysiology, assessment, and management of gynecological issues. 7.1.14
-

SHOCK AND RESUSCITATION 8

1 Shock 8.1

- 1 Describe pathophysiology, assessment, and management of shock. 8.1.1
- 2 Describe the types, stages, and causes of shock. 8.1.2
- 3 Describe the management of each type of shock. 8.1.3

2 Resuscitation 8.2

- 1 Describe pathophysiology, assessment, and management of respiratory failure or arrest. 8.2.1
 - 2 Describe pathophysiology, assessment, and management of cardiac failure or arrest. 8.2.2
 - 3 Describe pathophysiology, assessment, and termination of resuscitative efforts. 8.2.3
 - 4 Describe pathophysiology, assessment, and post-resuscitation management. 8.2.4
-

TRAUMA 9

1 Pathophysiology, Assessment, and Management of Trauma 9.1

- 1 Make transportation decisions, based on assessment findings for an acutely injured patient. 9.1.1
 - 2 Describe pathophysiology, assessment, and management of a bleeding patient. 9.1.2
 - 3 Describe pathophysiology, assessment, and management of a patient with chest trauma. 9.1.3
 - 4 Describe pathophysiology, assessment, and management of a patient with abdominal and genitourinary trauma. 9.1.4
 - 5 Describe pathophysiology, assessment, and management of a patient with orthopedic trauma. 9.1.5
 - 6 Describe pathophysiology, assessment, and management of a patient with soft tissue trauma 9.1.6
 - 7 Describe pathophysiology, assessment, and management of a patient with head, facial, neck, and spine trauma. 9.1.7
 - 8 Describe pathophysiology, assessment, and management of a patient with nervous system trauma. 9.1.8
 - 9 Describe pathophysiology, assessment, and management of special considerations in trauma. 9.1.9
 - 10 Describe pathophysiology, assessment, and management of environmental emergencies. 9.1.10
 - 11 Describe pathophysiology, assessment, and management of a patient with multi-system trauma. 9.1.11
-

SPECIAL PATIENT POPULATIONS 10

1 Assessment and Management 10.1

- 1 Describe assessment and management of obstetrics patients. 10.1.1
 - 2 Describe assessment and management of neonatal care patients. 10.1.2
 - 3 Describe assessment and management of pediatrics patients. 10.1.3
 - 4 Describe assessment and management of geriatrics patients. 10.1.4
 - 5 Describe assessment and management of patients with special challenges. 10.1.5
-

EMS OPERATIONS 11

1 Roles and Responsibilities 11.1

- 1 Describe operational roles and responsibilities to ensure patient, public and personnel safety for incident management. 11.1.1
 - 2 Describe operational roles and responsibilities to ensure patient, public and personnel safety for multiple casualty incidents (MCI). 11.1.2
 - 3 Describe operational roles and responsibilities to ensure patient, public and personnel safety for air medical. 11.1.3
 - 4 Describe operational roles and responsibilities to ensure patient, public and personnel safety for vehicle extrication. 11.1.4
 - 5 Describe operational roles and responsibilities to ensure patient, public and personnel safety for hazardous materials awareness. 11.1.5
 - 6 Describe operational roles and responsibilities to ensure patient, public and personnel safety for mass casualty incidents due to terrorism and disaster. 11.1.6
-

CLINICAL BEHAVIORS/JUDGEMENT 12

1 Psychomotor Skills 12.1

- 1 Demonstrate oxygen (O₂) administration. 12.1.1
 - 2 Demonstrate bag-valve-mask ventilation. 12.1.2
 - 3 Demonstrate bleeding control and shock management. 12.1.3
 - 4 Demonstrate patient assessment for trauma. 12.1.4
 - 5 Demonstrate patient assessment for medical. 12.1.5
 - 6 Demonstrate cardiac arrest management/AED. 12.1.6
 - 7 Demonstrate joint immobilization. 12.1.7
 - 8 Demonstrate long bone immobilization. 12.1.8
 - 9 Demonstrate seated spinal immobilization. 12.1.9
 - 10 Demonstrate supine spinal immobilization. 12.1.10
-

2 Team Dynamics 12.2

- 1 Serve as a team leader. 12.2.1
- 2 Serve as a team member. 12.2.2