

The Human Body



Courtesy of SynDaver Labs.

National EMS Education Standard Competencies

Preparatory

Applies fundamental knowledge of the emergency medical services (EMS) system, safety/well-being of the emergency medical technician (EMT), medical/legal and ethical issues to the provision of emergency care.

Anatomy and Physiology

Applies fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.

Pathophysiology

Applies fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.

Knowledge Objectives

1. Identify the body's topographic anatomy, including the anatomic position and the planes of the body. (pp 179–180)
2. Identify the anatomy and physiology of the skeletal system. (pp 180–181)
3. Describe the anatomy and physiology of the musculoskeletal system. (pp 186–187)
4. Discuss the anatomy and physiology of the respiratory system. (pp 187–196)
5. Discuss the anatomy and physiology of the circulatory system. (pp 196–208)
6. Discuss the anatomy and physiology of the nervous system. (pp 208–212)
7. Describe the anatomy and the physiology of the integumentary system. (pp 212–214)
8. Explain the anatomy and physiology of the digestive system. (pp 214–218)
9. Describe the anatomy and physiology of the lymphatic system. (p 218)
10. Discuss the anatomy and physiology of the endocrine system. (pp 218–220)
11. Describe the anatomy and physiology of the urinary system. (pp 220–221)
12. Discuss the anatomy and physiology of the genital system. (pp 221–223)
13. Describe the life support chain, aerobic metabolism, and anaerobic metabolism. (pp 223–224)
14. Define pathophysiology. (p 224)

Skills Objectives

There are no skills objectives for this chapter.