National EMS Education Standard Competencies

Medicine
Applies fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

Abdominal and Gastrointestinal Disorders
Anatomy, presentations, and management of shock associated with abdominal emergencies

- Gastrointestinal bleeding (pp 705, 710, 715, 718–719)

Anatomy, physiology, pathophysiology, assessment, and management of

- Acute and chronic gastrointestinal hemorrhage (pp 705–707, 710, 714–719)
- Peritonitis (pp 705–708, 714–719)
- Ulcerative diseases (pp 705–706, 708–709, 714–719)

Genitourinary/Renal

- Blood pressure assessment in hemodialysis patients (p 718)

Anatomy, physiology, pathophysiology, assessment, and management of

- Complications related to
  - Renal dialysis (pp 713, 719)
  - Urinary catheter management (not insertion) (p 719)
  - Kidney stones (pp 713–719)

Knowledge Objectives

1. Describe the basic anatomy and physiology of the gastrointestinal, genital, and urinary systems. (pp 705–707)
2. Define the term acute abdomen. (p 707)
3. Describe pathologic conditions of the gastrointestinal, genital, and urinary systems. (pp 707–714)
4. Explain the concept of referred pain. (p 708)
5. Recognize that abdominal pain can arise from other body systems. (pp 708–709, 713–714)
6. Identify the signs and symptoms, and common causes, of an acute abdomen. (pp 708–712)
7. Explain the procedures to follow in the assessment and management of acute and chronic gastrointestinal hemorrhage, peritonitis, and ulcerative diseases. (pp 708–712, 714–719)
8. List the most common abdominal emergencies, with the most common locations of direct and referred pain. (p 709)
9. Explain the procedures to follow for patient assessment of gastrointestinal and urologic emergencies. (pp 714–718)
10. Describe the procedures to follow in managing the patient with shock associated with abdominal emergencies. (p 715)
11. Describe the emergency medical care of the patient with gastrointestinal or urologic emergencies. (pp 718–719)
12. Explain the principles of kidney dialysis. (pp 719)

Skills Objective

1. Demonstrate the assessment of a patient’s abdomen. (pp 717–718)