Sepsis Learning Objectives

Definitions
- Define sepsis
- List potential etiologies of sepsis
- Describe pathogenetic mechanisms in sepsis
- Recognize criteria for the SOFA score and calculate the qSOFA score
- Define septic shock

Sepsis Presentation
- Recognize the variety of potential clinical features in a patient with sepsis
- Understand the utility of lactic acid measurement in sepsis

Septic Shock
- List criteria for diagnosing septic shock
- Identify the four major types of shock and the primary clinical settings for each type
- Distinguish the effects of the four major types of shock on cardiac output, systemic vascular resistance, and pulmonary artery occlusion pressure
- Describe the role of bedside echocardiography in the diagnostic evaluation of patients with various types of shock

Volume Management of Sepsis and Septic Shock
- Describe the typical volume status in patients with sepsis and septic shock
- Understand the use and roles of early goal-directed therapy and management bundles
- Understand the relative benefits and harms of crystalloids vs. colloids in volume resuscitation
- Utilize venous oxygen saturations as a surrogate for oxygen delivery

Other Management of Sepsis and Septic Shock
- Utilize antibiotics appropriately in management of sepsis and septic shock
- Identify antibiotic regimens for empiric coverage in various clinical scenarios
- Understand whether and when to use systemic corticosteroids