

# 230-C

## Sepsis Recognition and Management in the Emergency Department: Using the MEDS Score

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### Upon completion of this course, the participant will be able to:

1. Recognize the stages of sepsis based on current definitions;
2. Describe the key concepts of sepsis management based on current Surviving Sepsis Campaign guidelines;
3. Identify the key components of the Mortality in Emergency Department Sepsis (MEDS) Score; and
4. Utilize the MEDS Score in risk stratification of septic patients.

- I. Definitions of Sepsis
  - A. Systemic inflammatory response syndrome (SIRS)
  - B. Sepsis
  - C. Severe sepsis
  - D. Septic shock
- II. Surviving Sepsis Campaign
  - A. Initial resuscitation management
  - B. Early goal directed therapy (EGDT)
- III. MEDS Score
  - A. PIRO Classification
  - B. Risk Stratification
  - C. Examples
- IV. Case Presentations

### Resources:

Dellinger, R. P., Levy, M. M., Carlet, J. M., Bion, J., Parker, M. M., Jaeschke, R., et al. (2008). Surviving sepsis campaign: International guidelines for management of severe sepsis and septic shock: 2008. *Critical Care Medicine*, 36(1), 296–327.

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Jones, A. E., Focht, A., Horton, J. M., & Kline, J. A. (2007). Prospective external validation of the clinical effectiveness of an emergency department-base early goal directed therapy protocol for severe sepsis and septic shock. *Chest*, 132(2), 425–432.

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- Wang, H. E., Shapiro, N. I., Angus, D. C., & Yealy, D. M. (2007). National estimates of severe sepsis in United States emergency departments. *Critical Care Medicine*, 35(8), 1928–1936.
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