An Adult Sepsis Identification and Resuscitation Pathway Innovative Tactics Beyond the Traditional Bundle

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Purpose
This poster details an adult sepsis identification and resuscitation pathway in an academic, tertiary care Magnet® hospital, designed to comply with the 2016 Centers for Medicare & Medicaid Services Core Measures for Sepsis.

Evidence
Sepsis is the leading cause of death in hospitalized patients, with estimated mortality between 25-50 percent. Evidence shows that reducing mortality due to severe sepsis requires an organized process that guarantees the early recognition of severe sepsis, along with standard and consistent application of sepsis resuscitation algorithms. A seminal study in an acute, tertiary teaching facility focused initially on sepsis recognition and treatment in emergency departments (EDs), reducing overall sepsis mortality by approximately 50 percent in a six-year period (2008-2013).

Outcomes
- Designated bundled actions within 90 minutes compared to core measure 3 hour metrics
- 4-way disposition conference call including a bed management triage nurse and ED, intensive care and hospital medicine providers
- Inclusion of the pre-hospital, emergency medical system community to facilitate early recognition and treatment of sepsis
- Aggressive and early fluid resuscitation in the pre-hospital setting and ED
- Use of end-tidal CO₂ as a triage tool for early identification of sepsis

References:

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