

ED SEPTIC SHOCK TREATMENT

Clinical Practice: Code Sepsis Response in the ED
Clinical Team: Sepsis Steering Committee
Owners: Dr. Matthew Geib and Carolyn Brown, RN
Approved by: Clinical Excellence Council
Date of Approval: 12/5/2019

Practice Statement and Rational:

Every hour of delay in the recognition of sepsis or septic shock to antibiotic administration is associated with increased mortality.

Surviving Sepsis Campaign Guidelines recommend completing 3-hour bundle elements **within 1 hour** of recognition (administering antibiotics, obtaining blood cultures, manage resuscitation).

Clinical Approach:

Early recognition of patients with signs or symptoms of infection and hypoperfusion pre-hospital, at triage, or during medical evaluation should prompt a Code Sepsis response.

Activation Criteria for patients with signs or symptoms of infection:

2/4 of the following:

- | | | |
|--------------------------|------------|---|
| 1. HR >90 | | |
| 2. RR >20 | AND | SBP < 100 OR Initial Lactate ≥ 4 |
| 3. Temp >100.4 or <96.8 | | |
| 4. Altered mental status | | |

ED Physicians, ED Nurses and EMS may activate Code Sepsis

Team response includes: ED physician, ED RN, ED tech, pharmacist, ED radiology tech, C2R2 Sepsis Response RN

Treatment Goals:

- Door to Antibiotic < 60 minutes (or from subsequent Code Sepsis identification)
- Fluid administration completion within 2 hours

Workflow Enablers:

- ED order sets: 182, 183
- Electronic assisted screening tool in Epic with subsequent BPA
- ED Code Sepsis Narrator with timer and workflow tracking

Measuring Success:

- % of Code Sepsis patients with ED order sets used
- % of Code Sepsis patients with door to antibiotic administered within 60 minutes
- % of Code Sepsis patients with fluid administration completed within 2 hours

References:

1. Rhodes A, Evans LE, Alhazzani W, et al: Surviving Sepsis Campaign: International guidelines for management of sepsis and septic shock: 2016. *Crit Care Med* 2017; 45:486–552

This recommendation is not a substitute for clinical judgement.