

Evaluation for Severe Sepsis Screening Tool

Instructions: Use this optional tool to screen patients for severe sepsis in the emergency department, on the wards, or in the ICU.

1. Is the patient's history suggestive of a new infection?

- | | | |
|---|---|---|
| <input type="checkbox"/> Pneumonia, empyema | <input type="checkbox"/> Bone/joint infection | <input type="checkbox"/> Implantable device infection |
| <input type="checkbox"/> Urinary tract infection | <input type="checkbox"/> Wound infection | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Acute abdominal infection | <input type="checkbox"/> Bloodstream catheter infection | |
| <input type="checkbox"/> Meningitis | <input type="checkbox"/> Endocarditis | |
| <input type="checkbox"/> Skin/soft tissue infection | | |

___ Yes ___ No

2. Are any two of following signs & symptoms of infection both present and new to the patient? Note: laboratory values may have been obtained for inpatients but may not be available for outpatients.

- | | | |
|--|--|---|
| <input type="checkbox"/> Hyperthermia > 38.3 °C (101.0 °F) | <input type="checkbox"/> Tachypnea > 20 bpm | <input type="checkbox"/> Leukopenia (WBC count < 4000 μ L ⁻¹) |
| <input type="checkbox"/> Hypothermia < 36 °C (96.8°F) | <input type="checkbox"/> Acutely altered mental status | <input type="checkbox"/> Hyperglycemia (plasma glucose >120 mg/dL) in the absence of diabetes |
| <input type="checkbox"/> Tachycardia > 90 bpm | <input type="checkbox"/> Leukocytosis (WBC count >12,000 μ L ⁻¹) | |

___ Yes ___ No

If the answer is yes to both either question 1 and 2, *suspicion of infection* is present:

- ✓ Obtain: **lactic acid, blood cultures**, CBC with differential, basic chemistry labs, bilirubin.
- ✓ At the physician's discretion obtain: UA, chest x-ray, amylase, lipase, ABG, CRP, CT scan.

3. Are any of the following organ dysfunction criteria present at a site remote from the site of the infection that are not considered to be chronic conditions? Note: the remote site stipulation is waived in the case of bilateral pulmonary infiltrates.

- SBP < 90 mmHg or MAP < 65 mmHg
- SBP decrease > 40 mm Hg from baseline
- Bilateral pulmonary infiltrates with a new (or increased) oxygen requirement to maintain SpO₂ > 90%
- Bilateral pulmonary infiltrates with PaO₂/FiO₂ ratio < 300
- Creatinine > 2.0 mg/dl (176.8 mmol/L) or Urine Output < 0.5 ml/kg/hour for > 2 hours
- Bilirubin > 2 mg/dl (34.2 mmol/L)
- Platelet count < 100,000
- Coagulopathy (INR >1.5 or aPTT >60 secs)
- Lactate > 2 mmol/L (18.0 mg/dl)

___ Yes ___ No

If *suspicion of infection* is present AND *organ dysfunction* is present, the patient meets the criteria for SEVERE SEPSIS and should be entered into the severe sepsis protocol.

Adapted from the ©2005 Surviving Sepsis Campaign and the Institute for Healthcare Improvement

For questions or concerns please contact the critical care fellow on call.

Place patient label here.

Cooper University Hospital

Signature _____

Date: ___/___/___ Time of recognition: ___:___ (24 hr clock)