

Suspect Sepsis.
Save Lives.



Initiate Severe Sepsis* and Septic Shock Bundle
Time of Presentation (TOP)**



SIRS

ANY ≥ 2 of the following

- Temp $>38.3C$ (101F) or $<36C$ (96.9F)
- HR > 90 /minute
- RR > 20 /minute
- WBC $> 12,000$ or $<4,000$ or $>10\%$ bands

SEPSIS

≥ 2 SIRS (+) new or worsening infection (e.g. UTI, PNA, wound infection, immune suppression meds, invasive device infection)

Severe Sepsis*

Sepsis (+) **NEW or ACUTE** onset organ dysfunction &/or failure (examples below) **OR** provider documentation of severe sepsis

Septic Shock**

Severe Sepsis (+) hypotension (SBP <90 , MAP <65 or \downarrow SBP >40 mm/Hg from baseline) **OR** lactate ≥ 36 mg/dL **OR** provider documentation of septic shock

Initiate Severe Sepsis/Septic Shock: Early Management Bundle as soon as patient meets criteria for Severe Sepsis &/or Septic Shock

(*) Severe Sepsis – Implement bundle within 1 hour of TOP

- ✓ Draw lactate
- ✓ Draw Blood Cultures x 2 sets (4 bottles) **before** antibiotics
- ✓ Administer broad spectrum IV antibiotics

(*) Severe Sepsis – Follow-up

- ✓ If initial lactate > 18 , repeat lactate within 3 hours after initial lactate

(**) Septic Shock – Implement bundle within 1 hour of TOP

Initiate all elements required for Severe Sepsis plus:

- ✓ Administer IVF bolus of 0.9% NS or LR 30ml/kg (initiate within 3 hours of TOP). Monitor BP q 15 minutes during infusion and for 1 hour after infusion.
- ✓ If hypotension persists within **1 hour** of completion of IVF bolus, administer **vasopressors**
- ✓ If fluids administered MD/NP/PA performs **repeat volume and tissue perfusion assessment**

Organ Dysfunction

- Cardiovascular:** Systolic BP <90 OR MAP <65 OR decrease by >40 mmHg from baseline = **(+) Septic Shock**
- Respiratory:** NEW need for invasive or non-invasive mechanical ventilation
- Renal:** Creatinine >2 mg/dL or urine output <0.5 ml/kg/hr for x2 hours
- Hematologic:** Platelets $<100,000$
- Hepatic:** Bilirubin >2 mg/dL, INR >1.5 OR aPTT >60 seconds
- Metabolic:** Lactate > 18 mg/dL = **Severe Sepsis***
Lactate ≥ 36 = **Septic Shock****
- Neurologic:** AMS, \downarrow LOC, \downarrow GCS and/or a change in neuro baseline within last 12 hours

For additional details, see Process Map of Severe Sepsis & Septic Shock:
Management Bundle

UCLA Sepsis Website <http://sepsis.mednet.ucla.edu/pages/>

For Questions or Inquires Contact:
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