

**TREATMENT:**

- A. Treat per Universal Patient Care protocol.
- B. Apply cardiac monitor to obtain 12-lead ECG.
- C. Establish IV 18g or larger.
- D. Administer O2 if SpO2 < 94%.
- E. Notify hospital of incoming **Sepsis Alert** if Sepsis criteria are met.
- F. **Severe Sepsis only (note C): administer 30mL/kg up to a maximum of 2 L.**
  - a. Titrate fluid volume to a MAP pressure of 70 mmHg. LR is preferred fluid choice.
  - b. Consider **Levophed or Dopamine** titrated to a MAP pressure of 70 mmHg.
  - c. Consider 2<sup>nd</sup> large bore IV.
- G. Treat pain per Pain Management Protocol.

**PEDIATRIC PATIENTS:**

- A. Monitor vital signs every 5 minutes
- B. Begin treatment per shock protocol and Contact OLMC

**NOTES:**

- A. **Systemic Inflammatory Response Syndrome (SIRS)= 2 or more of below criteria:**
  - a. Temperature greater than 38° C (100.4 ° F) OR less than 36° C (96.8°F)
  - b. Respiratory rate greater than 20/min
  - c. Heart rate greater than 90 beats/min
  - d. Systolic BP < 90 mmHg or Diastolic BP < 60 mmHg
- B. **Sepsis = SIRS + documented or suspected infection.**
  - a. Documented infections include but are not limited to: pneumonia, UTI, wounds, skin and/or decubitus ulcers.
  - b. Suspected infection may be determined via the presence of high risk criteria such as: A) nursing home resident, B) recent surgery, C) immunosuppression or D) in-dwelling device.
- C. **Severe Sepsis**
  - a. **Sepsis + Sepsis-induced organ failure or tissue hypoperfusion**
    - i. Shock Index (SI) of >1
    - ii. ETCO2 ≤ 32 mmHg;
    - iii. Hypoperfusion = Mean Arterial Pressure (MAP) less than 65 mmHg;
    - iv. Lactate (if available) > 4 mg/dl;
    - v. Acute altered mental status
- D. Sepsis Alert Example- *“This is Medic \_\_\_\_\_ coming in with a Sepsis Alert. This patient is a \_\_\_\_y/o m/f with suspected sepsis. Pt is positive for SIRS criteria and a suspected infection. Current vitals as follows \_\_\_\_ with a MAP of \_\_\_\_\_. This patient does/does not qualify for 30 cc/kg bolus based on severe sepsis criteria.”*
- E. **Shock Index** = Heart Rate divided by Systolic Blood Pressure  
 Example: HR= 125    Systolic= 98 mmHg    125/98 = 1.3    Meets SI criteria