

TREATMENT:

- A. Treat per Universal Patient Care protocol.
- B. Apply cardiac monitor to obtain 12-lead ECG.
- C. Establish 18g or larger proximal IV.
- D. Administer O2 if SpO2 < 93%.
- E. Notify hospital of incoming **Sepsis Alert** if Sepsis criteria are met.
- F. **If hypotensive, administer 30mL/kg fluid bolus up to a maximum of 2 L per shock guideline.**
 - a. Titrate fluid volume to a MAP pressure of 65 mmHg. LR is preferred fluid choice. Exercise caution in patients with known or suspected heart failure and monitor for pulmonary rales.
 - b. If unresponsive to fluid bolus, consider **Norepinephrine or Epinephrine** titrated to a MAP pressure of 65 mmHg per shock guideline.
 - c. Consider 2nd large bore IV.

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. Patients may also demonstrate:
 - i. Shock Index (SI) of >1
 - ii. ETCO2 ≤ 32 mmHg;
 - iii. Mean Arterial Pressure (MAP) less than 65 mmHg;
 - iv. Lactate (if available) > 4 mg/dl;
 - v. Acute altered mental status
- C. **Septic Shock**
 - a. **Sepsis + hypotension (MAP <65) not responsive to fluid resuscitation/requiring vasopressors**
- 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