








## **Sepsis**

It is the purpose of this protocol to recognize and treat sepsis early to promote optimal care and survival of patients who may be septic. This protocol applies to patients >14 years of age with a clinical suspicion of systemic infection who have 2 or more of the inclusion criteria. These patients are defined as meeting criteria for suspicion of sepsis and should be evaluated and treated per this protocol.

### **INCLUSION CRITERIA**

1. Clinical suspicion of systemic infection, and two or more of the following:
  - A. Hyperthermia temp  $>38^{\circ}\text{C}$  (100.4 F)
  - B. Hypothermia temp  $<36^{\circ}\text{C}$  (96.8 F)
  - C. Heart rate  $>90\text{bpm}$
  - D. Respiratory rate  $<10$  or  $>20$  per minute
  - E. SBP  $<90$  mmHg or evidence of hypoperfusion

### **Treatment**

1. Follow **General Pre-Hospital Care-Treatment** Protocol.
2. Place patient in supine position.
-  3. Start large bore IV catheter per **Vascular Access and IV Fluid Therapy-Procedure Protocol**.
  - a. Start second large bore IV catheter, if time permits.
-  4. Place on cardiac monitor and treat rhythm according to appropriate protocol.
-  5. Place on continuous pulse oximetry.
-  6. Check blood glucose (may be MFR skill, see **Blood Glucose Testing-Procedure Protocol**)
-  7. If the patient meets inclusion criteria, administer a **NS** or **LR** IV/IO fluid bolus up to 1 liter, wide open. Reassess the patient, repeat boluses to a maximum of 2 L **NS** or **LR** as long as vital sign abnormalities persist.
  - A. Monitor for pulmonary edema.
  -  B. If pulmonary edema presents, stop fluids, and contact Medical Control for direction.
8. If hypotension persists, refer to **Shock-Treatment Protocol**.
-  9. Monitor ETCO<sub>2</sub> level (see **End Tidal Carbon Dioxide Monitoring-Procedure Protocol**) and report levels outside of normal range (35-45 mm Hg) to the receiving facility as soon as possible