

# Severe Sepsis and Septic Shock Bundles

(Provider Reference)



## Definitions:

**Sepsis:** SIRS+ suspected or known infection

**Severe Sepsis** = Sepsis + one or more signs of organ dysfunction, hypoperfusion, or hypotension

**Septic Shock** = Sepsis with lactic acid  $\geq 4$  and/or persistent hypotension after 30ml/kg NS bolus

## **TO BE COMPLETED WITHIN 3 HOURS:**

1. Measure lactic acid
2. Obtain blood cultures prior to antibiotics
3. Administer broad spectrum antibiotics
4. If hypotension OR lactic acid  $\geq 4$ mmol/L:  
Administer 30ml/kg NS fluid bolus

## **TO BE COMPLETED WITHIN 6 HOURS:**

1. Apply vasopressors for persistent hypotension not responsive to initial 30ml/kg fluid bolus
2. Perform reassessment if lactic acid  $\geq 4$ mmol/L or persistent hypotension after fluid bolus\* (see back)
3. Re-measure lactic acid if initial lactic acid  $\geq 2$ mmol/L

## **\*REASSESSMENT OF VOLUME STATUS AND TISSUE PERFUSION:**

To be documented on any patient meeting **septic shock** criteria and can be performed any time after the initial fluid bolus

### **EITHER**

Repeat focused exam including ALL of the following:

#### **Vital signs including temperature**

#### **Cardiopulmonary**

**Heart** regular rate and rhythm, S1, S2, S3, S4, no murmur, no lower extremity edema

**Lungs** clear to auscultation, breath sounds equal, no wheezing, no rhonchi, no crackles

#### **Peripheral Pulses**

Right: 1+[ ] 2+[ ] 3+[ ] 4+[ ] Left: 1+[ ] 2+[ ] 3+[ ] 4+[ ]

#### **Capillary Refill**

[ ] Brisk [ ] Greater than 2 seconds [ ] Less than 2 seconds

**Skin** [ ] No mottling present [ ] Mottling present

### **OR TWO OF THE FOLLOWING:**

Measure CVP

Measure ScvO<sub>2</sub>

Bedside cardiovascular ultrasound

Dynamic assessment of fluid responsiveness with passive leg raise or fluid challenge

**CALL "CODE SEPSIS" ON ANY PATIENT MEETING SEPTIC SHOCK CRITERIA**