STOP Septic Shock

Together, we can stop the progression using:

- Knowledge
- Early Recognition
- Urgent Treatment

For direct medical guidance, call the Oishei Children’s Hospital Transfer Center at (716) 878-7888

**Are there signs of any INFECTION? (+ High or low temp)**

- Increased SUSPICION IF:
  - Age < 30 days
  - Immune compromised
  - Indwelling medical device
  - Asplenia, Sickle Cell
  - Non-verbal
- **All patients are at risk for sepsis**

**Screen for end-organ dysfunction:**

1. Mental status depressed from baseline?
2. Excessive tachycardia†?
3. Perfusion different from baseline?

1 EXPECTED HR at each core temp

<table>
<thead>
<tr>
<th>Age</th>
<th>38.9˚</th>
<th>39.4˚</th>
<th>40˚</th>
<th>40.6˚</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;2 yrs</td>
<td>190</td>
<td>195</td>
<td>200</td>
<td>205</td>
</tr>
<tr>
<td>2-5 yrs</td>
<td>150</td>
<td>155</td>
<td>160</td>
<td>165</td>
</tr>
<tr>
<td>6-12 yrs</td>
<td>140</td>
<td>145</td>
<td>150</td>
<td>155</td>
</tr>
<tr>
<td>&gt;13 yrs</td>
<td>120</td>
<td>125</td>
<td>130</td>
<td>135</td>
</tr>
</tbody>
</table>

**Assess patient situation:**

- Patent IV access?
- Need a 2nd PIV?
- On monitors and oxygen?
- Abx started < 12 hrs ago?
- IVF given in < 2 hrs?
- CBC, BMP, VBG, lactate < 4 hrs ago?
- Blood culture < 24 hrs ago?

**Antibiotic Recommendations:**

- **Ceftriaxone 50mg/kg (max 2g)**
- **Vancomycin 15mg/kg (max 2g)**
- **Intra-abdominal pathology:**
  - Zosyn 100mg/kg piperacillin (max 3g pip + 375 mg tazo)
- **Immune compromised:**
  - Zosyn + Van
- **PCN allergic:**
  - Meropenem 20mg/kg
  - OR Levofloxacin kg 10mg/kg (max 750 mg)

**Assess patient for end-organ dysfunction:**

1. Mental status depressed from baseline?
2. Excessive tachycardia†?
3. Perfusion different from baseline?

**Confirm Severe Sepsis**

- **Hyponatremia:**
  - <30 days: SBP < 60
  - 1-23 mo: SBP < 70
  - 2-5 yrs: SBP < 75
  - 6-12 yrs: SBP < 85
  - 13-18 yrs: SBP < 90
  - Adults: SBP < 100

**Antibiotic Recommendations:**

- Ceftriaxone 50mg/kg (max 2g)
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**Intra-abdominal pathology:**

- Zosyn 100mg/kg piperacillin (max 3g pip + 375 mg tazo)

**Immune compromised:**

- Zosyn + Van
- **Neonates:**
  - Amp 50mg/kg + Gent 4mg/kg
  - PCN allergic: Meropenem 20mg/kg
  - OR Levofoxacin kg 10mg/kg (max 750 mg)

**For organ failure:**

- **BP still LOW**
- Hydrocortisone 2mg/kg IV
- Tx To PICU

Has to be administered by a physician

Place Sepsis/Septic Shock Order Set