

# Pediatric Severe Sepsis Algorithm

For children >28 days of age

## Recognition of Severe Sepsis:

- Fever (>38.0°C) or hypothermia (<36.0°C)
  - High Risk Conditions\*
  - Signs of infection\*
  - And signs of impaired perfusion:**
  - Tachycardia, cap refill >2 sec, cold extremities, (↓ urine output, SpO2 <94%, mottled skin)
  - Mental status changes (confusion, lethargy, inconsolability)
- \* See Sepsis Screener in Drug Dosing Binder

## Initial Management:

- Assess ABCs, cardiorespiratory monitoring
- O2 10-15 L non-rebreather mask
- IV access x2; IO access if 2 failed IV attempts
- May use IO for blood tests, fluids & medications in lieu of IV
- Investigations:
  - Bedside glucose
  - CBC, blood C&S, electrolytes, venous gas, glucose, urea, creatine, lactate, PT/PTT, ALT, blood type & screen
  - CXR
  - Urinalysis and C&S (consider indwelling urinary catheter)

**Alert Pediatric Referral Centre**

