

# ED Pediatric Sepsis Response Plan

**Sepsis screen positive**

## Attending/Upper Level Resident Assessment

1. Confirm Sepsis Screen Vital Signs
2. Obtain Brief History
3. Assess for
  - Altered **MENTAL STATUS**
  - Mottled, cool **SKIN**
  - Weak, thready or Bounding **PULSES**
  - > 3 **SEC Cap Refill**
  - **Hypotension \***
  - **Other physician concerns**

### \*HYPOTENSION

Age	Systolic BP
0-1 month	<60
1 mo-1 year	<70
1-2 year	<74
3-4 year	<78
5-6 year	<82
7-8 year	<86
9 y and older	<90

## Could this be Sepsis?

Are Sepsis Screen Vital Signs confirmed **POSITIVE** AND 1 or more exam abnormalities present?

**YES**

**NO**

### Initiate ED PEDIATRIC SEPSIS BUNDLE

- Notify **Pediatric Satellite Pharmacist**. Call 984-974-6679. State Pediatric Code Sepsis. Provide MRN and antibiotic.
- Establish **IV or IO**
- Push isotonic **FLUIDS-20 ml/kg boluses (x3 if indicated) via pressure bag or syringe within 20"**
- Obtain **CBC with diff, loaded blood gas and blood culture**
- Administer **ANTIBIOTICS** after blood culture obtained if possible
- **Admit to PICU** if  $\geq 60$ ml/kg fluid given or physician concern. **Attending to call PICU fellow/attending and nursing supervisor.**

- UL resident to present to attending within 5".
- Consider other urgent pt needs: e.g. antipyretics, anti-emetics, O2, oral rehydration, etc.

PEDIATRIC ANTIBIOTICS (STAT one time doses upon response to Code Sepsis)				
Age > 28 days		Dosing (IV)	Max single dosing (IV)	
Primary therapy	Ceftriaxone AND	100 mg/kg/dose	2000 mg	
	Vancomycin	20 mg/kg/dose	2000 mg	
Beta lactam allergy	[Ciprofloxacin OR	15 mg/kg/dose	400 mg	
	Aztreonam] AND	30 mg/kg/dose	2000 mg	
	Vancomycin	20 mg/kg/dose	2000 mg	
Suspected source	Catheter-associated	Cefepime AND	50 mg/kg/dose	2000 mg
		Vancomycin	20 mg/kg/dose	2000 mg
	Gastrointestinal	Meropenem (monotherapy) OR	20 mg/kg/dose	2000 mg
		Cefepime AND	50 mg/kg/dose	2000 mg
	Metronidazole	10 mg/kg/dose	500 mg	
Age > 28 days – IMMUNOCOMPROMISED AND/OR SIGNIFICANT PRIOR ANTIBIOTIC USE WITHIN PREVIOUS 30 DAYS				
Primary therapy	Cefepime AND	50 mg/kg/dose	2000 mg	
	Vancomycin	20 mg/kg/dose	2000 mg	
Beta lactam allergy	Ciprofloxacin AND	15 mg/kg/dose	400 mg	
	Vancomycin	20 mg/kg/dose	2000 mg	
Fungal history	Fluconazole OR	12 mg/kg/dose	800 mg	
	Micafungin	3 mg/kg/dose	100mg	
Neonate < or = 28 days				
Primary therapy	Ampicillin AND	100 mg/kg/dose		
	Gentamicin	Based on corrected gestational age		
HSV concern	Ampicillin AND	100 mg/kg/dose		
	Gentamicin AND	Based on corrected gestational age		
	Acyclovir	20 mg/kg/dose		
Suspected source	Gastrointestinal	Ampicillin AND	100 mg/kg/dose	
		Gentamicin AND	Based on corrected gestational age	
		Metronidazole	15 mg/kg/dose	

**Could this be Septic Shock?**

**YES**

**Implement Septic Shock Algorithm**