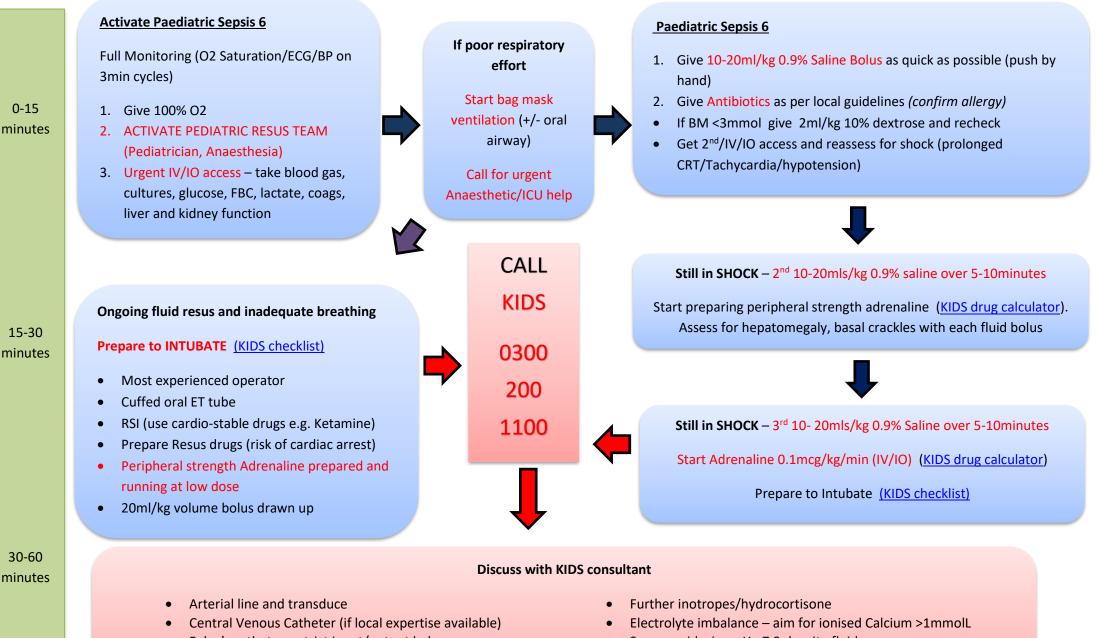


# **KIDS SEPTIC SHOCK GUIDELINE**





- Foley's catheter strict input/output balance
- Orogastric tube on free drainage
- Monitor Lactate clearance regular blood gases

- Severe acidosis pH <7.2 despite fluid resus
- Optimum Hb and Platelet count
- Coagulopathy management



## **Recognition of Sepsis:**

- Child unwell, parental concerns or PEWS triggered:
- 2. Could this be an infection?

#### Goal is to reverse shock

#### Assess:

- If vital signs are within normal limits for age
- If Pulse volume is normal and CRT
  <2seconds</li>
- □ If lactate is declining to <2mmol
- □ If Urine output >1ml/kg/hr
- □ If serum glucose is normal

If not achieving above goals consider other differential diagnosis: Tension pneumothorax, Tamponade - pericardial effusion, Toxin ingestion, metabolic disorder, pulmonary Thromboembolism, Anaphylaxis, Hemorrhage, Myocarditis, Arrhythmia, Adrenal insufficiency, Hypothyroidism, Intussusception/volvulus.

## **KIDS SEPTIC SHOCK GUIDELINE**

### If child with suspected/proven infection has at least 2 of

### (or 1 if immunocompromised)

- Core temp <36°C or >38.5°C (38°C if immunocompromised)
  - Moderate Tachycardia/Tachypnoea
- Altered Mental state (e.g.

Irritable/lethargy/floppiness/sleepiness)

- Reduced peripheral perfusion/prolonged cap refill (>2seconds)
- Decreased urine output (<1ml/kg/hr)

	Respiratory	Heart	Systolic BP
Age	Rate	Rate	(50 <sup>th</sup> Centile)
<1year	30-40	110-160	80-90
1-2years	25-35	100-150	85-95
2-5years	25-30	95-140	85-100
5-12years	20-25	80-120	90-110
>12years	15-20	60-100	100-120



### **RED FLAG SIGNS (ANY ONE PRESENT)**

Hypotension

OR

- Weak, high pitched or continuous cry
- < 3months old</p>
- Severe Tachycardia/Tachypnoea (in <11year old Bradycardia <60bpm)</li>
- □ Lactate >2mmol/l
- □ V, P or U on AVPU
- □ SpO2 <91%/grunting/cyanosis/apnoea
- □ Non blanching rash/mottled skin
- □ Immunocompromised
- □ Lactate >2mmol/l
- Rapid Onset (<6hours)</p>

Age	Tachypnoea		Tachycardia	
	Severe	Moderate	Severe	Moderate
<1 year	≥60	50-59	≥160	150-159
1-2 years	≥50	40-49	≥150	140-149
3-4 years	≥40	35-39	≥140	130-139
5 years	≥29	24-28	≥130	120-129
6-7 years	≥27	24-26	≥120	110-119
8-11 years	≥25	22-24	≥115	104-114
≥12 years	≥25	21-24	≥130	91-130