

Scenario Outline

Scenario Name or Content: **Paediatric COSBART; Sepsis**

Scenario aimed at : Consultant Anaesthetists

Length of time desired for simulation: 15 minutes

Scenario Learning Objectives:

- 1• Approach to the child in shock
- 2• Management of the septic child
- 3•
- 4•
- 5•

Equipment Required to Run Scenario:

- SimBaby
- IV giving set including 3 way tap and 50ml syringe (plus waste pot/bag)
- Dummy intubation drugs
- Paediatric laryngoscope, bag and mask, airways, LMA, mapleson F circuit, paediatric O2 mask and tubing, O2 cylinder, ETT tubes, tie.
- Print off of child drug dosage at 8kg (laminated)
- Pumps, syringes, nappy, small rash picture
- WETFAG whiteboard, meningococcal rash picture, venous blood samples

Skills the Participant will/should perform or Event to occur during scenario:

- Recognition of shock
- Fluid bolus 20ml/kg (three times total)
- Recognition and treatment of hypoglycaemia
- RSI and Intubation of child
- Discussion of investigations, management of meningococcal septicaemia and inotropes
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Patient Data:

Name: Bobby Smith Age: 6 months Sex: Male

Past Medical History or Pertinent Background Information:

Normal delivery and development. PMH eczema. DH E45 cream NKA. 1/7 Hx of malaise and poor feeding. Parents put to bed last night and had difficulty rousing this morning so called the ambulance. Child's weight is 8kg.

Initial data the participant will receive at the beginning of the scenario when checked:

ECG Rhythm:	170SR	Blood Pressure:	65/30
SpO ₂ :	95% on O ₂	Temp:	35.5
Resp Rate:	50	ETCO ₂ :	
Lung Sounds:	Normal		
Heart Tones:	Normal		

Any follow-up data or reassessment findings desired

The child will have a (non blanching) rash on its abdomen under the nappy. The child's BM is 2.8 if requested. The child's peripheries are cold and central capillary refill is 4 seconds.

The child's anterior fontanelle will be bulging. It will have some subcostal recession and tracheal tug if possible.

Vocal Sounds: (Anything specific you would like the manikin to say and at what point in scenario)

- None except weak cry in response to pain.
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SimMan Story Board Worksheet

<p>Frame</p> <p>ECG Rhythm: 170SR Blood Pressure: 65/30 SpO₂: 95% on O₂ Temp: 35.5 Resp Rate: 50 Raised fontanelle, subcostal recession Child has a weak cry to pain.</p> <p>I would expect them to give a fluid challenge</p>	<p>Frame</p> <p>Following fluid challenge;</p> <p>ECG Rhythm: 165SR Blood Pressure: 70/30 SpO₂: 95% on O₂ Temp: 35.5 Resp Rate: 45</p> <p>Transfer variables over a couple of minutes</p>

<p>Frame</p> <p>Following further fluid challenge;</p> <p>ECG Rhythm: 160SR Blood Pressure: 72/30 SpO₂: 95% on O₂ Temp: 35.5 Resp Rate: 42</p> <p>Transfer variables over a couple of minutes</p> <p>Following 2 fluid challenges they may either give a further fluid challenge or choose to intubate the patient</p>	<p>Frame</p> <p>Further fluid challenge No improvement SpO₂ gradually drops to 90</p> <p>Intubation Following induction drugs; HR increases to 170SR BP drops to 65/35 Child will stop breathing SpO₂ will gradually drop if unable to ventilate the child.</p>