

**SBP Case file: Cases 4-10**

[Cases 1-3 published [Acad Emerg Med](#). 2005 Dec; 12(12): 1191-4. available as an online Data Supplement at <http://www.aemj.org/cgi/content/full/j.aem.2005.06.026/DC1>]

## Case 4

### Title: Pediatric Sepsis: Mother refusing Lumbar Puncture

#### Target Audience: Medical students, Residents

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#### **Case Narrative** (describes what the learner will experience)

A 20 month old girl is brought by mother to the ED for lethargy and fever. Mother is very anxious, but does not believe in traditional medicine or vaccinations. The patient's mother has not sought medical care before. The child appears very ill, with labored respirations, hypotension, mottling (verbal cue), cyanosis to nailbeds (moulage).

#### **Learning Objectives or Assessment Objectives**

KEY: PC Patient Care, MK Medical Knowledge, PBL Practice Based Learning & Improvement, ICS Interpersonal & Communication skills, P Professionalism, SBP Systems Based Practice.

For expanded definitions see [www.centerforsimulation.org/dl/cc.pdf](http://www.centerforsimulation.org/dl/cc.pdf)

Simulation Objectives	MS		PGY		Core Comp			
	1	2	3	4		I	Jr	Sr
Management								
Preparatory for treatment of shock as indicated (IV, O2, monitor)			x	x	x	x	x	PC
Administration of Broad Spectrum Antibiotics						x	x	PC, MK
Administration of Pressors					x	x	x	MK
Endotracheal Intubation (RSI)			x	x	x	x	x	PC
Explanation of Care to Mother						X	x	PC, SBP
Appropriate Pediatric Intensivist consultation					x	x	x	ICS, SBP
Admits patient to PICU					x	x	x	PC, SBP
Recognition								
Interprets Laboratory data			x	x	x	x	x	MK
Healthcare Barriers				x	x	x	x	ICS, SBP
Signs and symptoms of Sepsis		x	x	x	x	x	x	MK

- Teamwork
  - Appropriate mobilization of Staff
  - Appropriate utilization of hospital resources
- Data Gathering
  - LAB: CBC, , electrolytes, Lactate ABG
  - Films: PCXR
  - Studies: LP
- Debriefing Objectives (understands)
  - Priorities in Airway management
  - Priorities in Sepsis management
- Importance of Team Interactions
- Importance of Patient Communications

			x	x	x	x		ICS, P
				x	x	x		SBP
		x	x	x	x	x		PC
x	x	x	x	x	x	x		MK
x	x	x	x	x	x	x		MK, PBL
				x	x	x		MK
			x	x	x	x		MK
								ICS, P, SBP
		x	x	x	x	x		ICS, P, SBP

- Critical actions checklist
- IV or IO establishment
  - Asks about vaccinations
  - Correct Interpretation of Supporting Data
  - Diagnosis of septicemia
  - Pressors
  - Broad spectrum antibiotics
  - Consult Pediatric Intensivist
  - Admit to PICU

**SBP issues specific for case:**

[Modifying factors] Does the resident understand how barriers to communication, cultural differences affect patient management?

[Legal/professional issues] Does the resident appropriately apply an understanding of the following issues to patient care: Capacity and consent, confidentiality and reporting, leaving against medical advice (AMA) and refusal of care?

[Legal/professional issues] Does the resident understand risk management and malpractice and apply this understanding to limit risk to the patient?

[Consultation and disposition] Appropriate consultation and utilization of admission criteria?

[Prevention and education] Does the resident understand how to improve patient compliance?

	+	-	N/A
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