Pediatric Predicaments
Cyanosis, Sepsis, and Seizures

Bruce Barry, BSN, RN, CEN, CPEN, TCRN, NRP, CIC
Objectives
Pediatric Assessment Triangle

- Tone
- Interactive
- Consolable
- Look/Gaze
- Speech/Cry

- Flaring
- Retractions
- Audible sounds
- Positioning

- Cyanosis • Mottling • Pallor

Pediatric Assessment Triangle
Sick vs. Not-Sick
Blue Kids
Case Study #1

• A 3 day old female presents with a history of apnea at home.

• Mom describes she placed the infant down for a nap, went to check on her and she was limp and blue. Mom stimulated her and the baby began crying and her color improved.

• What other questions do you want to ask?
• Questions:
  • Birth history
  • How has the baby been feeding?
  • When was last feed?
  • Any fever?
  • Other children or caregivers?
• What are you possible diagnoses?
Differential Diagnosis

• Respiratory illness
• Cyanotic heart defect
• Hypothermia
• Non-accidental trauma
URGENT!

• Decreased LOC
  • Cyanosis
• Delayed Cap Refill
  • Tachycardia
Sepsis

• Fever / hypothermia
• Tachycardia / Bradycardia
  • Increased WOB
• Potential Infectious source
• Febrile Reaction  >101 OR <96.8

• Neonate 100-205
• Infant 1m-1y 100-190
• Toddler 1-2y 98-140
• Preschool 3-5y 80-120
• School age 6-11y 75-118
• Adolescent >12 60-100
Case Study #2

• A 6-year-old female with cerebral palsy and a history of recurrent urinary tract infections.
• Parents state her urine is concentrated and has a foul odor.
• Questions
  – Does she have a fever?
  – How much is she drinking?
  – How much is she peeing?
  – Any vomiting? Diarrhea?
  – Does this fit her usual pattern?
• What’s different?
• Treatments....?
Case Study #3

• A 23 month old female presents with a possible new onset seizure
• Mom states she was in her usual states of health when she fell to the floor and began jerking all over.

• What other questions do you want to ask?
• Questions
  • Any history of seizures in the past?
  • Any history of trauma?
  • Any recent illnesses?
  • Any possible ingestion?
  • Describe seizure in detail
  • What was child doing right before seizure occurred?
• Other Causes?
Thank you...

bbarry@ech.org
518-873-3022