

The heart and science of medicine.

UVMHealth.org/ECH

Pediatric Predicaments

Cyanosis, Sepsis, and Seizures

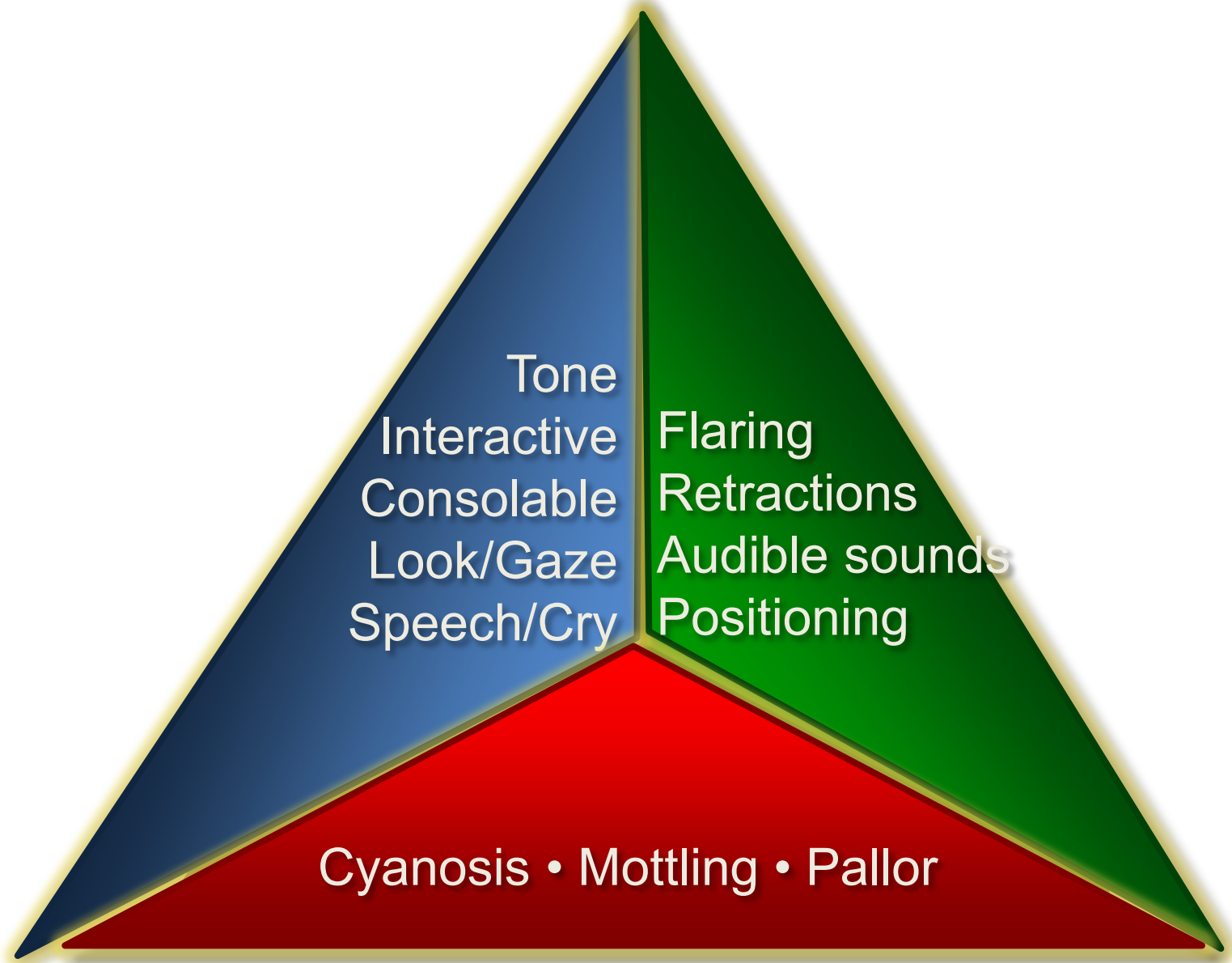
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THE
University of Vermont
HEALTH NETWORK

Elizabethtown Community Hospital

Objectives





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 have?



- Questions:
 - Birth history
 - How has the baby been feeding?
 - When was last feed?
 - Any fever?
 - Other children or caregivers?



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- **What are your possible diagnoses?**

Differential Diagnosis

- Respiratory illness
- Cyanotic heart defect
- Hypothermia
- Non-accidental trauma

URGENT!

- Decreased LOC
 - Cyanosis
- Delayed Cap Refill
 - Tachycardia



oldfunstuff4u



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

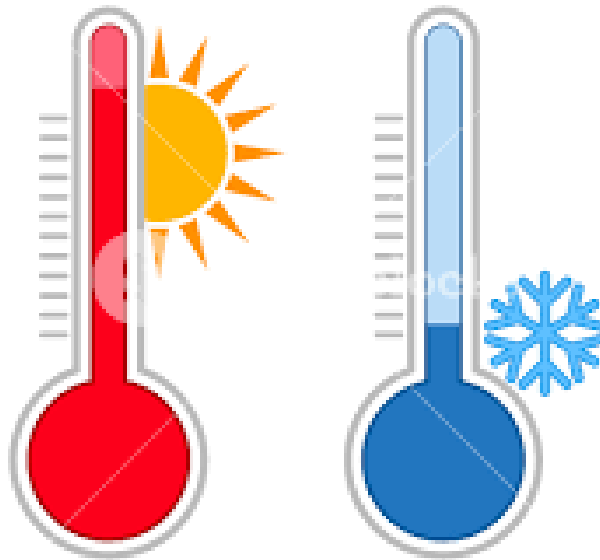
- A 6-year-old female with cerebral palsy and a history of recurrent urinary tract infections.
- Parents state her urine is concentrated and has a foul odor.



- 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

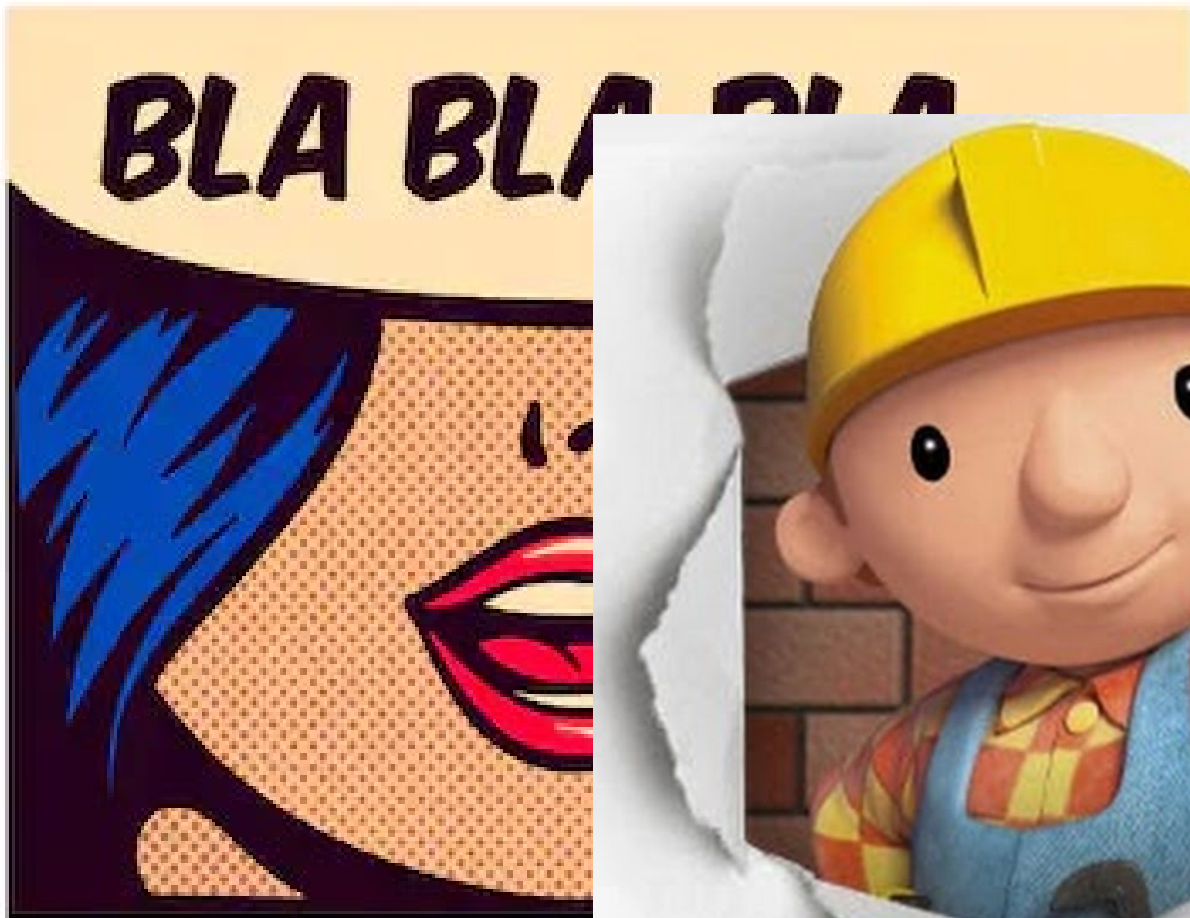
- Questions
 - Any history of seizures in the past?
 - Any history of trauma?
 - Any recent illnesses?
 - Any possible ingestion?
 - Describe seizure in detail
 - What was child doing right before seizure occurred?





- Other Causes?









Thank you...

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PARAMEDIC PROGRAM