

Adults vs. Peds

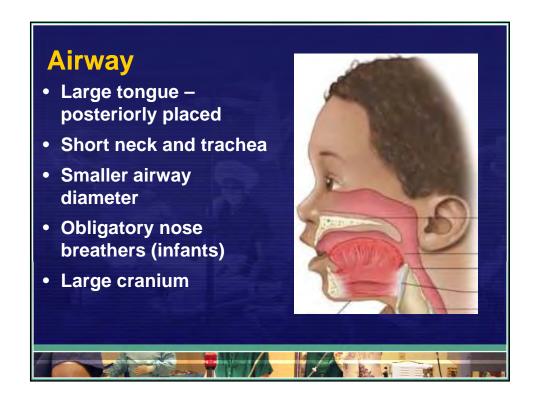
- Children may generalize pain, not indicate the point of origin
- Blood volumes, though well compensated, are significantly less

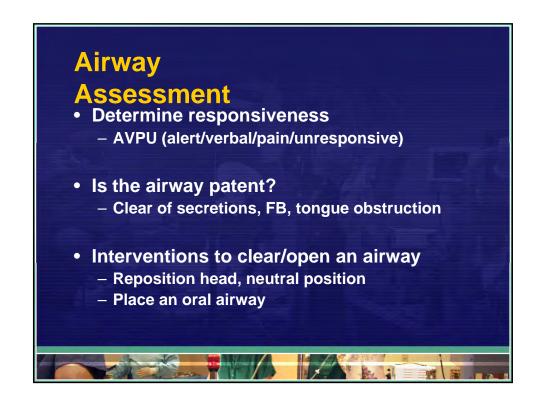
Adults vs. Peds

- Ability to compensate for shock
- Children can maintain systolic B/P until as much as 30% fluid loss
- Once a child starts to deteriorate:
 - decompensation happens quickly
- Adults maintain a more gradual decline before quick decompensation

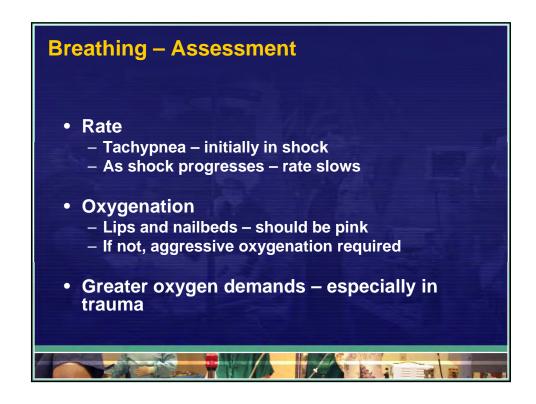
Peds Trauma Priorities same as in adults ABCDE Remember different normal values for vitals

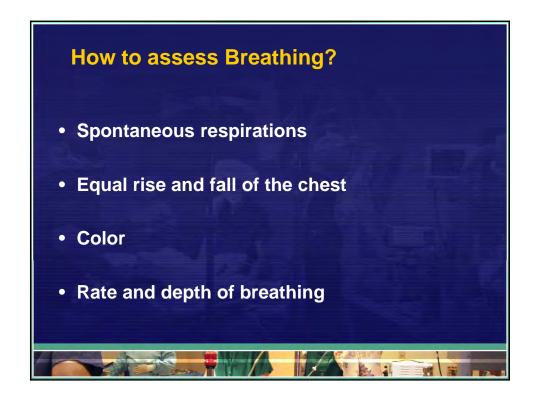


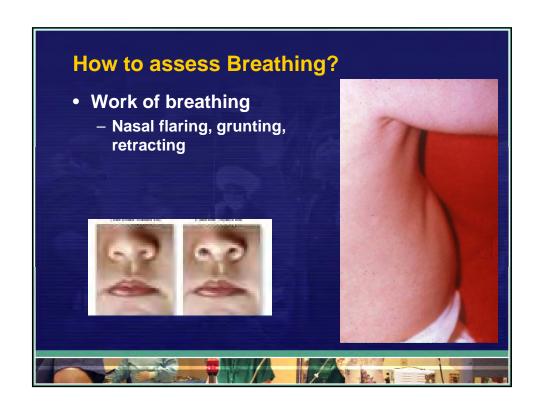


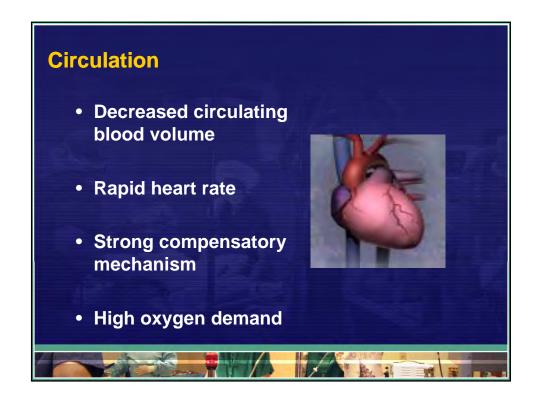


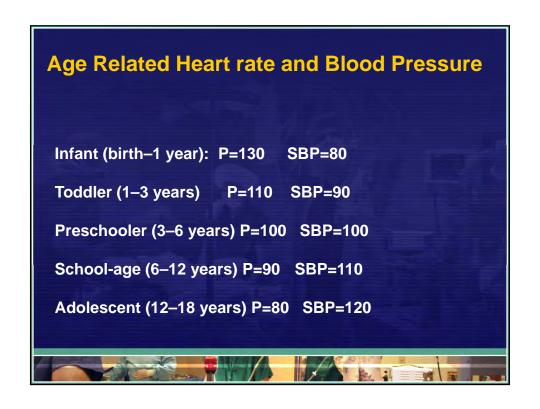
Compensatory measures are less effective Higher metabolic rate Normal respiratory rate varies with age Infant (birth-1 year) 30-60 Toddler (1-3 years) 24-40 Preschooler (3-6 years) 22-34 School-age (6-12 years) 18-30 Adolescent (12-18 years) 12-16











Level of Consciousness

- Friends or family may indicate if child is acting normal
 - Especially around strangers
- Is the child acting normally for given age
- Are the child's cries appropriate
- Is the child interacting with parents and EMS properly

More things to assess...

- Capillary refill
- Peripheral and central pulses
- Skin color and temperature
- Vital signs-Hypotension is a LATE sign of poor circulation (shock) in children











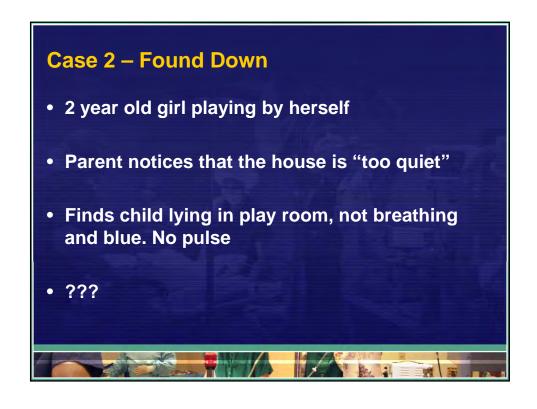


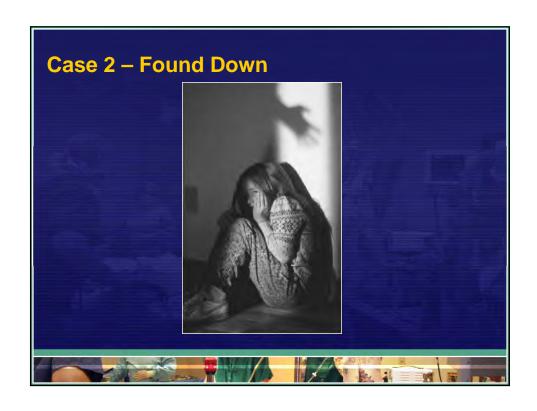


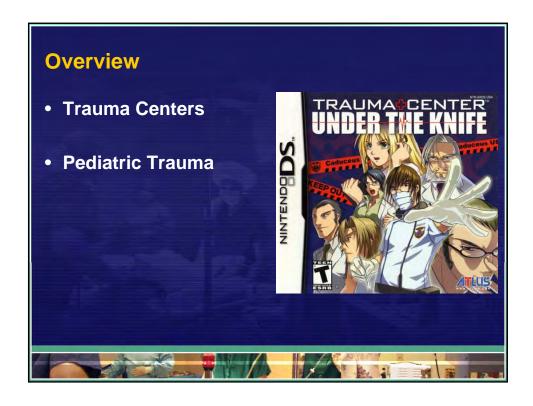






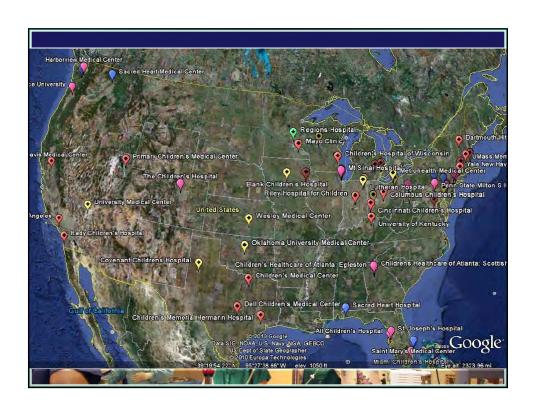


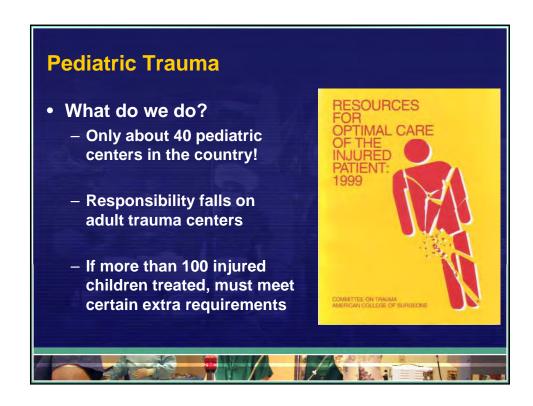












	Pediatric Commitment	Level II	Level I
Pediatric resuscitation equipment	✓	✓	✓
Blood microsampling	✓	✓	✓
Pediatric trauma CME for surgeons	1	✓	✓
Pediatric PI	1	✓	✓
PICU	✓	✓	✓
Pediatric Critical Care Physicians	✓	✓	✓
Pediatric ED area	✓	✓	1
Pediatric Social Work		✓	✓
Pediatric Rehab		✓	✓
Child Life		✓	1
Pediatric Orthopedic Surgeon #1		✓	✓
Pediatric Neurosurgeon #1		✓	✓
Pediatric Injury Prevention and outreach		✓	✓
Pediatric Trauma education programs		✓	✓
Pediatric volume > 100 / year		✓	✓
		8	

	Pediatric Commitment	Level II	Level
Pediatric Trauma Service		✓	✓
Pediatric CME for Trauma Med Dir and liaisons		 ✓	✓
Pediatric Trauma Program Manager	J JAN 1. 1	✓	✓
Adult trauma surgeons credentialed for Peds	7. 2-4-1	✓	✓
Pediatric Surgeon #1	The Park of the Pa	✓	✓
Pediatric Trauma Registrar		✓	✓
Pediatric research	1000		- V
Pediatric Neurosurgeon #2			✓
Pediatric Orthopedic Surgeon #2			✓
Children's Hospital within organization	TOTAL ST		✓
Pediatric Surgeon #2			✓
Pediatric Surgeon Trauma Med Dir			✓
Pediatric Volume > 200 / year			✓
Pediatric EM Physicians (2)			✓
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What To Do With Kids?

- Most seriously injured children should be taken to the nearest Level I Trauma Center
- Children with injuries that will require aftercare should be taken to the nearest Level I Pediatric Trauma Center
 - Severe head injury
 - Complex pelvis or other complex ortho
 - Complex soft tissue injuries







