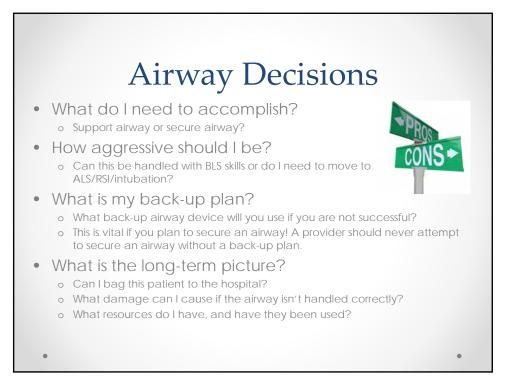
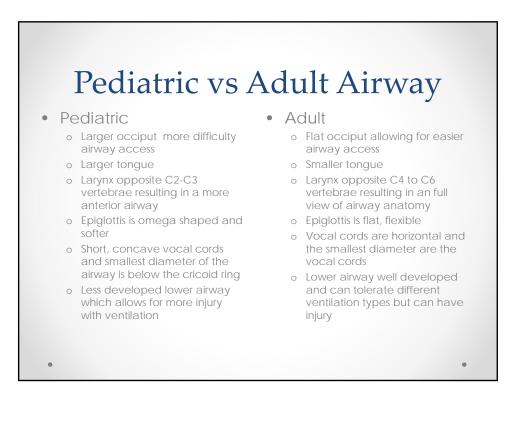


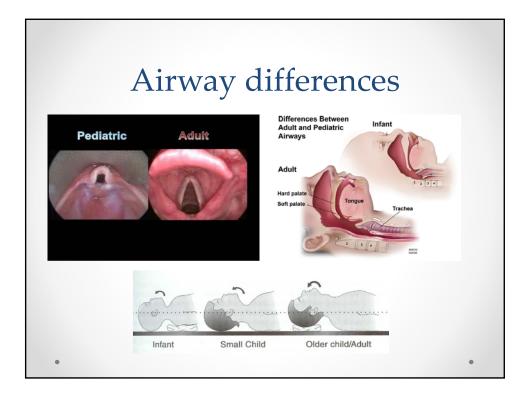
Objectives

- Identify pediatric airway structures
- Describe risk factors for the pediatric airway
- Discuss RSI considerations for the pediatric airway
- Review fundamental principles of pediatric airway management
- Discuss case studies of difficult pediatric airways and their management



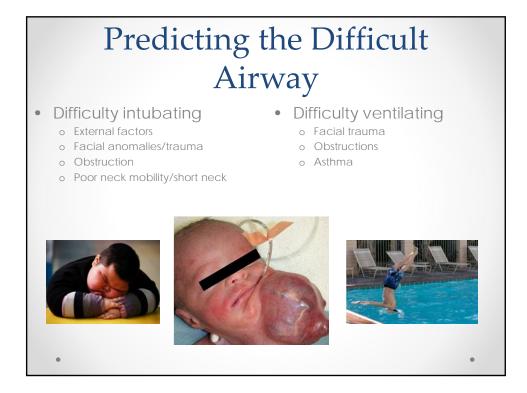


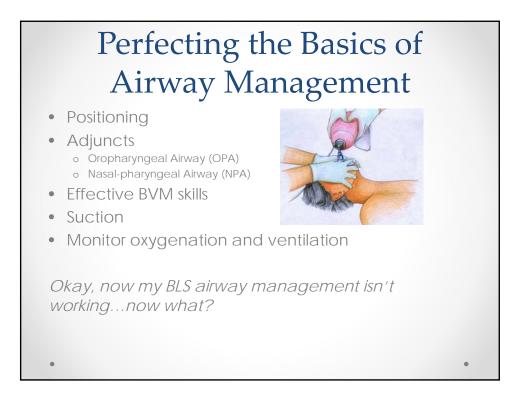


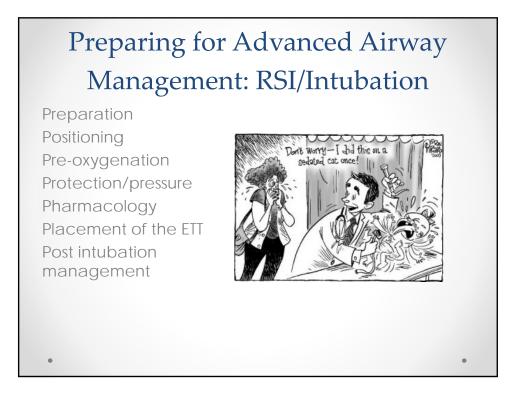










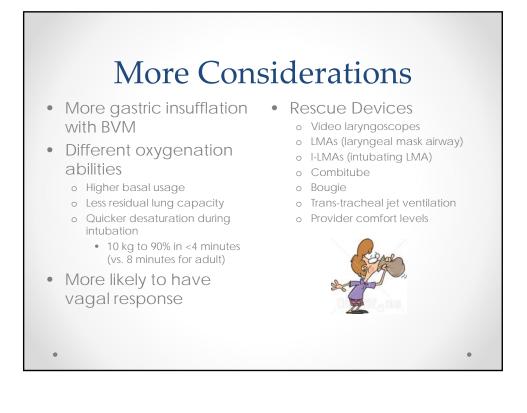


Airway Equipment Considerations

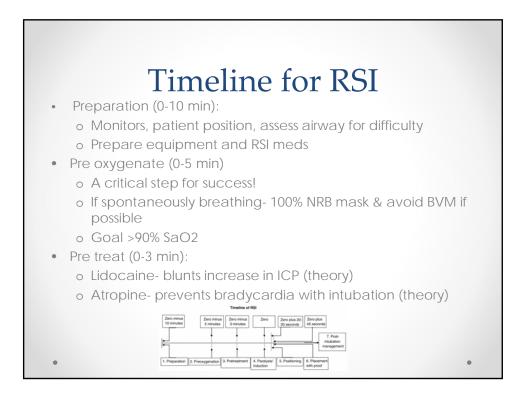
- Miller vs Mac blade
 - Better able to control tongue and epiglottis with miller in peds
- ET tube/Stylet
 - o Size-(Age in years/4) + 4
 - Diameter of nares
 - Diameter of pinky
 - Broselow tape
 - Less stability with smaller tube
 - More resistance with intubation so do not force
 - o ETT depth use the black line
 - o (Age in years/2) + 12
 - o Confirm placement- ETCO2

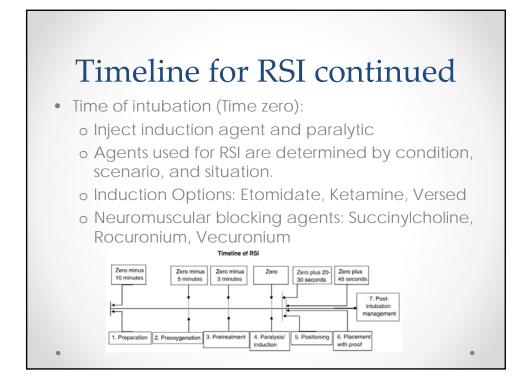
- Suction
 - Make sure it is available and working before intubation
- Securing devices
- Rescue Devices

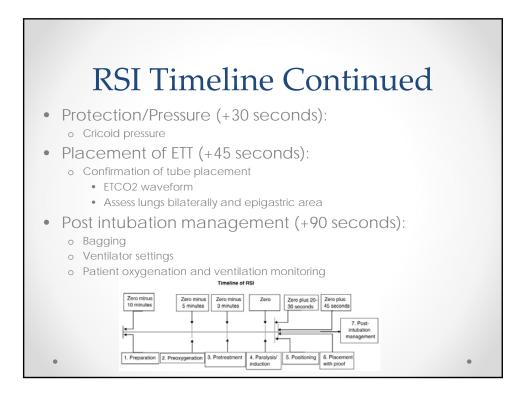


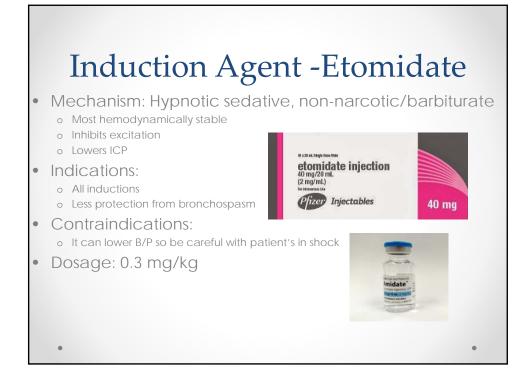








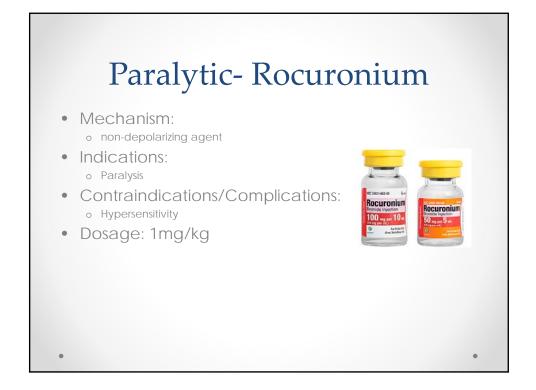


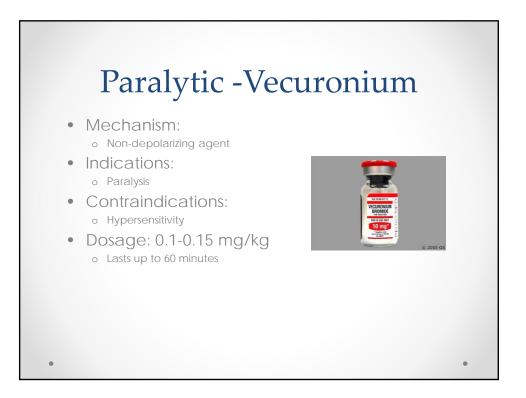


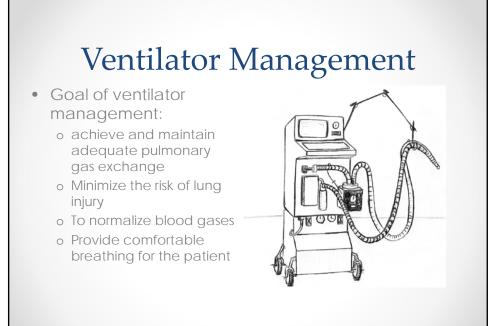


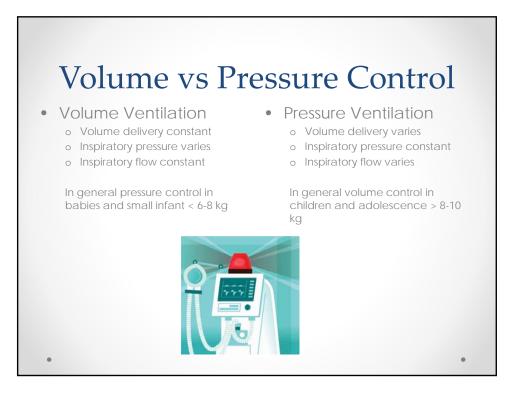


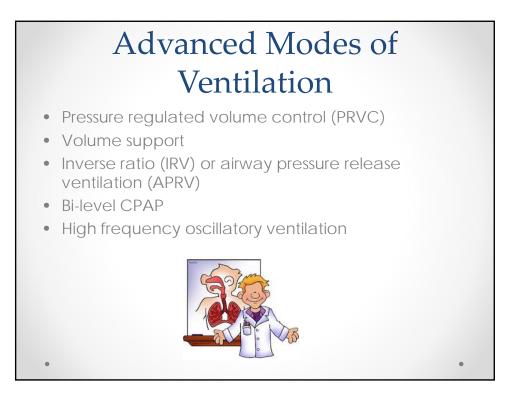


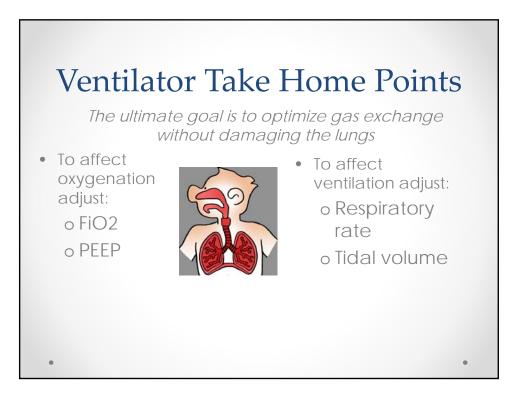




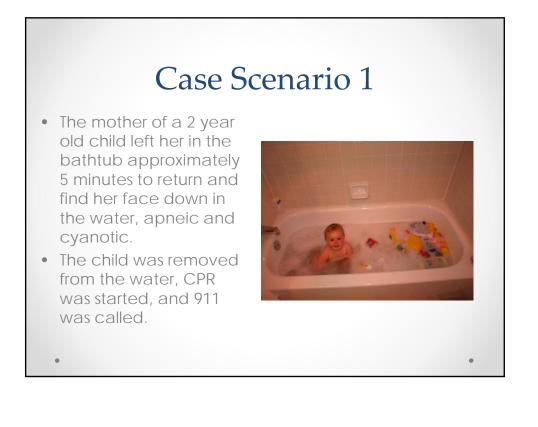


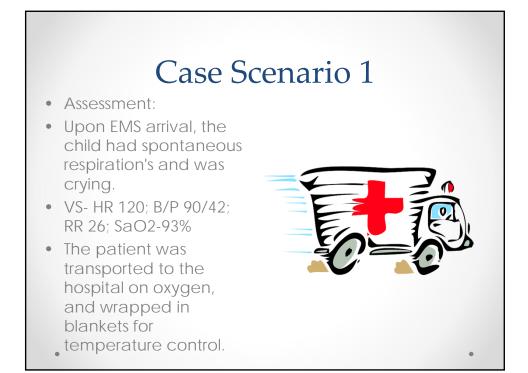














Case Scenario 1

- EMS arrives to the ER- what information do you want to know about the patient?
- How will you treat this child?
- What lab work and/or x-rays will you want on this patient?
- Does this child need to be admitted? If so, why?
- What are your concerns if your patient is not admitted but discharged?
- Discussion



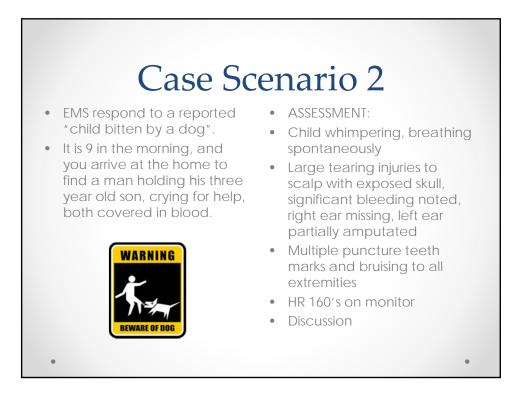
Case Scenario 1

- Upon arrival to the ER, the patient was alert, crying and clinging to her mother with appropriate actions and behavior of a 2 year old child.
- Patient does have intermittent nonproductive cough.
- Does she need treated? If so, how and why?



Case Scenario 1

- Children ages 1-4 have the highest drowning rates.
- For every child who dies from drowning, another five receive ER care for nonfatal submersion injuries.
- All victims of a witnessed near drowning should be observed for at least 4-6 hours.
- Delayed pulmonary edema can develop hours or days after the submersion.
- An aspiration victim may develop delayed cerebral edema resulting in sudden death.







Case Scenario 2

- BVM assisted ventilations in progress, injuries as noted before, but minimal bleeding, very large amount of blood on linens beneath patient, temporal and parietal skull exposed
- Skin cool to touch, no IV access
- Patient attempting agonal respirations, weakly withdraws to painful stimuli, no obtainable BP
- IO placed while flight team preparing for intubation

- HR slowed to 30's, no pulses noted, absent heart tones
- CPR and PALS initiated
- Airway anatomy markedly unstable due to injuries.
- Able to intubate on second attempt
- No return of spontaneous circulation, CPR continues.
- Air transported to Trauma center, CPR in progress during entire flight.
- Efforts terminated shortly after arrival to Trauma Bay

