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Bacterial Tracheitis: A leading concern for the pediatric airway



Our Case

- » 6 month old male
- » 6 day history of fever and cough
- » HR 170s-190s RR 50-70 SpO2 84% on RA

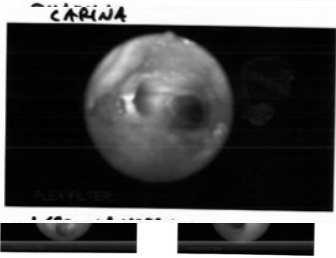


PICU

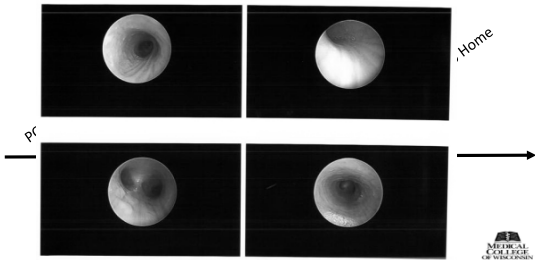
- » Intubation: 2.5 uncuffed ETT
- » Broad spectrum antibiotics and steroids
- » Difficult Mechanical Ventilation



Rigid Bronchoscopy

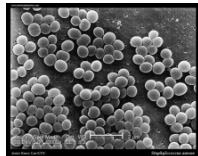


Treatment and Recovery



Bacterial Tracheitis

- » Presentation
- » Emergent pediatric upper airway obstruction
- » Majority require intubation
- » Mortality as high as 18 to 40%



Hopkins, A et al (2006) Pediatrics 118(4):1418-1421
 Lerman, J et al (2010) Manual of Pediatric Anesthesia, Sixth Edition, pg. 308



What to do?

Medical Management

- > ICU admission
- > Antibiotics
- > Steroids

Airway Management

- > Intubation
- > Secretions
- > Rigid Bronchoscopy