

NASOPHARYNGITIS

Upper respiratory tract infection A cold, most common infection of the respiratory tract

SIGNS/SYMPTOMS

- FEVER
- NASAL DISCHARGE
- IRRITABILITY
- · COUGH
- SORE THROAT
- · VOMITING
- DIARRHEA

TREATMENT

- REST
- CLFAR AIRWAYS
- FLUID INTAKE
- FFVFR PREVENTION
- SKIN CARE



ACUTE PHARYNGITIS

- INFLAMMATION OF THE STRUCTURES OF THE THROAT
- COMMON IN CHILDREN 5 TO 10 YEARS OLD
- VIRUS MOST COMMON CAUSE
- HAEMOPHILUS INFLUENZAE MOST COMMON IN CHILDREN YOUNGER THAN 3 YEARS
- SYMPTOMS: FEVER, MALAISE, DYSPHAGIA, AND ANOREXIA, CONJUNCTIVITIS, RHINITIS, COUGH, AND HOARSENESS WITH GRADUAL ONSET; LASTS NO LONGER THAN 5 DAYS
- IN CHILD OLDER THAN 2 YEARS, STREPTOCOCCAL PHARYNGITIS MAY INCLUDE FEVER OF 40°C (104°F).
- MAY REQUIRE ANTIBIOTICS IF CAUSE IS BACTERIAL

ACUTE PHARYNGITIS

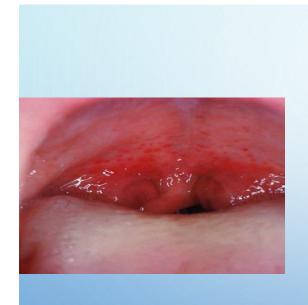
SIGNS/SYMPTOMS

- ·HIGH FEVER
- ·MALAISE
- •DYSPHAGIA
- · ANOREXIA

PHYSICAL EXAM

TREATMENT

- ·REST
- •FLUIDS
- •TYLENOL
- ·THROAT GARGLES
- THROAT CULTURE, •STREP THROAT: PCN/EES X 10 DAYS





SINUSITIS - CHILDHOOD

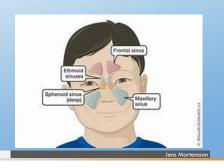
Inflammation of the tissues in the sinuses

SIGN/SYMPTOMS

- URI THAT LASTS MORE THAN 10 DAYS
- COUGH DURING THE DAY
- · HALITOSIS
- · TOOTH PAIN
- PERIORBITAL SWELLING

TREATMENT

 ANTIBIOTICS FOR 10-14 DAYS







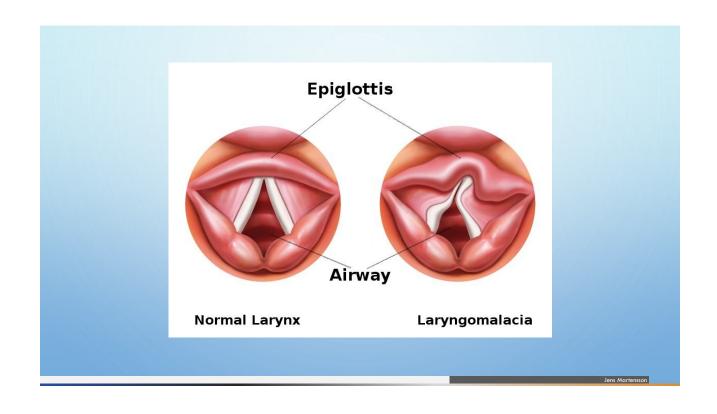
(Congenital Laryngeal Stridor)

Weakness of airway walls

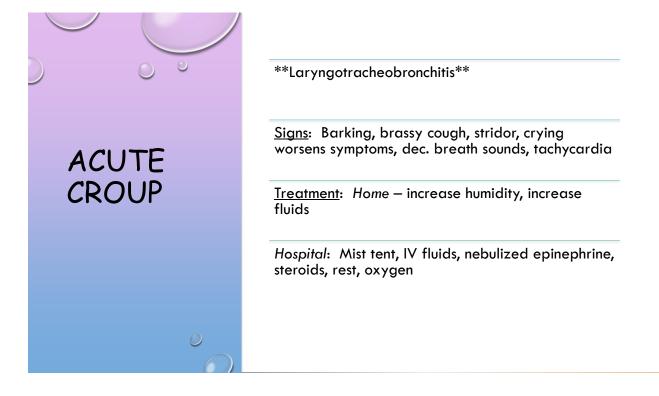
<u>Signs</u>: crowlike stridor on inspiration, inspiratory retractions

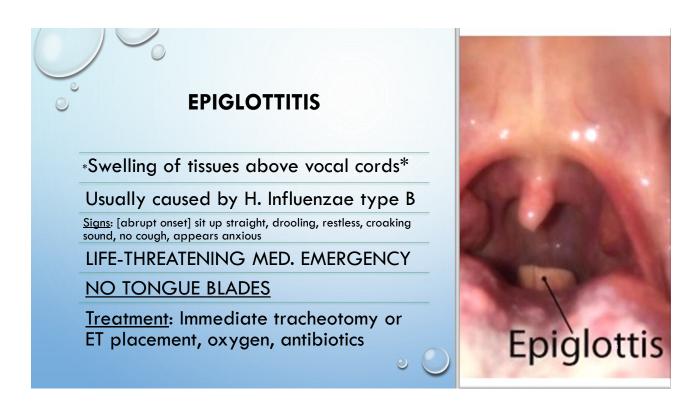
<u>Treatment</u>: Slow, small feedings, prone or side-lying position, reassurance to family.

This will clear spontaneously as the child grows and muscles strengthen.



(Spasmodic Croup) **Caused by virus, allergy, GER & psychological trigger** Usually in children between 1-3 yrs Signs: Sudden onset of barking @ night, brassy cough, child may appear anxious Treatment: Increase humidity (take the child into the bathroom with a hot shower running), give fluids







Infection in the bronchioles

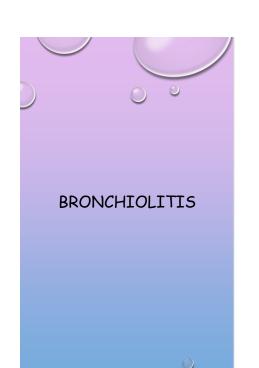
BRONCHITIS

Usually secondary to cold or communicable disease, age under 4.

Signs: "hacking" cough; preceded by URI or "cold"

<u>Treatment</u>: Cough suppressants at bedtime, fluids

Antihistamines and antibiotics are usually not helpful



Viral infection of the bronchioles

In infants 50% caused by RSV

<u>Signs</u>: URI with mild fever and nasal discharge, wheezy cough, increased RR, irritability, age 6 months to 2 year

<u>Treatment</u>: Position to help with respirations, IV fluids, bronchodilator therapy, strict I & O.

Antibiotics and steroids are NOT indicated



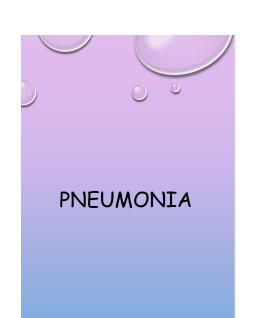
Spread by direct contact and infected fomites; incubation period approximately 4 days

Diagnosed by NP wash for RSV

<u>Signs:</u> Tachypnea, Tachycardia, copious nasal secretions, decreased intake, fussy, wheezing on auscultation

<u>Treatment:</u> Contact Isolation, oxygen, IV fluids, daily weights, suctioning – NO antibiotics

Synagis IM given to high-risk infants.



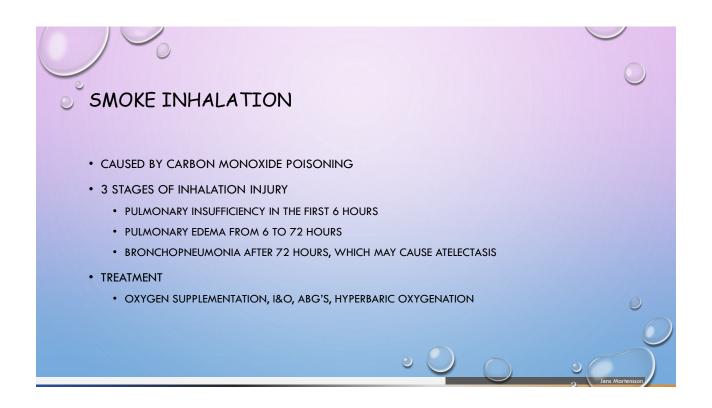
Inflammation of the lungs, specifically the alveoli – bacteria or virus

Diagnosed by X-ray.

<u>Signs:</u> Cough(dry then productive), high fever, tachypnea, chest pains, retractions

<u>Treatment:</u> Oxygen, antipyretics prn, antibiotics, rest, fluids, perform chest physiotherapy, encourage cough and deep breathing, postural drainage, cool mist humidifier

Caused by: Group B strep (newborns), Chlamydia (3 wks to 3 mos), H. Influenzae type.





TONSILLITIS AND ADENOIDITIS Symptoms: Mouth breathing, difficulty swallowing, pain

<u>Treatment</u>: Vaporizer, gargles, lozenges, Tylenol, Surgery

<u>Surgery</u>: Not indicated during an acute illness; can be done as an outpatient.

POST-OP TONSILLECTOMY **ADENOIDECTOMY** Position partly on Watch for signs of side/partly on Hemorrhage most bleeding (increased No milk products abdomen w/ common post-op HR, increased RR, uppermost knee restlessness, frequent complication flexed (Sims' position) swallowing. Avoid coughing, clearing throat or Tylenol for pain blowing nose

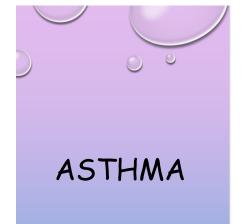


Inflammation of nasal mucosa due to allergic response

<u>Signs</u>: congestion, clear nasal discharge, sneezing, itchy eyes, "allergic salute"

<u>Treatment</u>: Antihistamines, decongestant, allergy shots

Dust control, HEPA filters

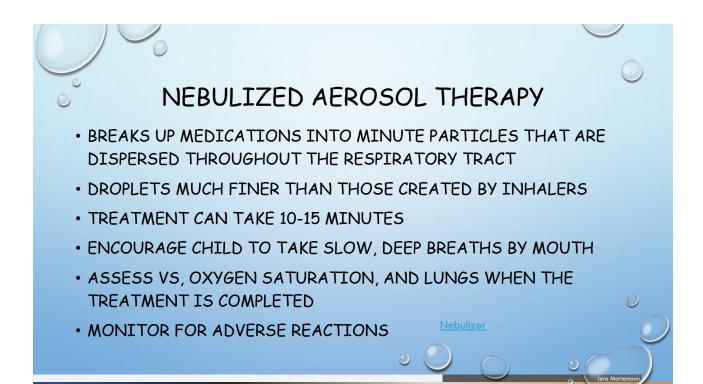


Syndrome caused by exposure to various stimuli that results in constriction of the airway

<u>Diagnosis is made by history, PE, response to bronchodilator therapy</u>

<u>Signs:</u> Cough, expiratory wheeze, flaring, retractions, restlessness

<u>Treatment:</u> Bronchodilators (albuterol): dilate the bronchioles, anti-inflammatory meds, antibiotics pri





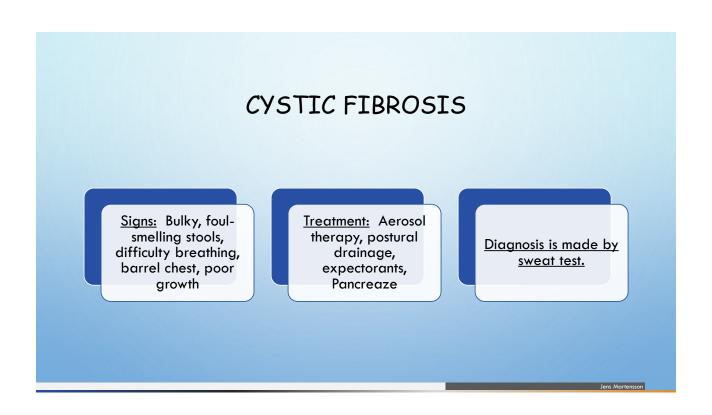
STATUS ASTHMATICUS

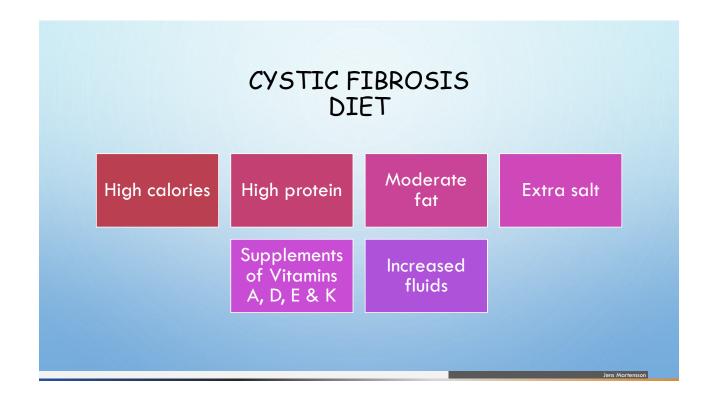
This is a medical emergency

- Continued severe respiratory distress that is not responsive to drugs
- ICU admission, O2, IV medications, and frequent VS including pulse oximetry readings

lens Martenss

Defect on Chromosome #7 - inherited from both parents Effects • Thick mucous gland secretions • Loss of electrolytes in sweat Multisystem • Respiratory • Digestive system • Skin • Reproductive system





CHEST PHYSIOTHERAPY

- SET OF TECHNIQUES THAT INCLUDE MANUAL OR MECHANICAL PERCUSSION, VIBRATION, COUGH, FORCEFUL EXPIRATION, AND BREATHING EXERCISES
- USUALLY PERFORMED BY RT

CHEST PHYSIOTHERAPY

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BRONCHOPULMONARY DYSPLASIA *Caused by high concentrations of oxygen over prolonged pd. of time*

<u>Signs:</u> Wheezing, retractions, FTT, irritability, clubbing of fingers

<u>Treatment:</u> Fluid restriction, diuretics, bronchodilators, ?trach placement

Dx is made by history, Chest X-Ray and clinical manifestations

Jens Martenssor

