

## Independent Learning Assignment

### NB Musculoskeletal & Child Respiratory

1. Cystic Fibrosis is characterized by several clinical features. How are the following systems affected? Name some major changes that may occur with the:
  - Pancreas: Thick secretions block the ducts of the pancreas leading to fibrosis. The blockage prevents essential pancreatic enzymes from reaching the duodenum, causing marked impairment in the digestion and absorption of nutrients (especially fats and proteins). This impairment causes bulky and foul-smelling stools
  - GI system: Can cause abd distention; large, bulky, loose, extremely foul smelling stools; weight loss; anemia; deficient fat soluble vitamins
  - Pulmonary system: thick secretions are difficult to expectorate and obstruct the bronchi and bronchioles causing a cough, wheezy respirations, increased dyspnea, cyanosis, scattered atelectasis, and hyperinflation. The stagnant mucus may also cause bacterial growth and recurrent infections that can lead to pulmonary HTN, respiratory failure, and death
  - Growth and Development: Physical growth may be restricted due to decreased absorption of nutrients, including vitamins and fat, increased O<sub>2</sub> demands, and delayed bone growth.

2. Name the 3 degrees of Developmental Dysplasia of the Hip. What happens in each degree?:

Acetabular dysplasia: The acetabulum of the joint is too shallow and doesn't fully cover the head of the femur

Subluxation: The head of the femur is partially separated from the joint

Dislocation: The head of the femur is separated from joint

3. Name the 3 stages of treatment for clubfoot:

Stage 1: correction of deformity

Stage 2: maintenance of correction

Stage 3: F/u to prevent recurrence of deformity

Name that Croup Syndrome:

4. I am a nasty, toxic, emergency causing bacterial infection usually caused by H. Influenzae that causes my victims to have inflammation and obstruction of the airway, drooling, high fever and feel the need to sit in a tripod position for best breathing conditions:

**Acute epiglottitis**

5. I cause my victims to wake up suddenly at night, recurrently, and cause stridor, a croupy cough, hoarseness, dyspnea and restlessness. Cool mist, humidified, cool air exposure is the treatment and I may not even cause my victim to need treatment at the hospital: **LTB**