

## 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** – Pancreatitis, cyst formation over time, diabetes due to damage of the beta cells malabsorption of fats, proteins, and fat-soluble vitamins.
  - **GI system** - Meconium Ileus in Neonates, intestinal obstructions, biliary cirrhosis
  - **Pulmonary system**- chronic respiratory infections, bronchiectasis, airway obstruction, failure,
  - **Growth and Development** - malnutrition results in wt. loss and delayed growth development, puberty delay, bone health malabsorption of vitamin D, and failure to thrive.

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

**Subluxatable** (MILD)- femoral head is partially out of the socket but can be easily repositioned with gentle manipulation

**Dislocatable**- the femoral head can be completely dislocated from the socket with a maneuver, but it can also be readily put back into place

**Dislocated** (SEVERE)- femoral head is completely out of the hip socket and cannot be easily repositioned without surgical intervention.

3. Name the 3 stages of treatment for clubfoot:

Starts at 1-2 weeks of life.

- the ponseti method- gently manipulating and stretching your baby's foot into a better position. Then put into a cast repeated weekly for 5-8 weeks.

- percutaneous Achilles tenotomy (minor surgery to lengthen the Achilles tendon)

- bracing with specialized shoes to maintain the corrected position of the foot. Worn up to 4-5 years old.

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:

**Acute Laryngotracheobronchitis**