

## 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 mucus can block the ducts of the pancreas gland. This can cause pancreatic insufficiency when the pancreas cannot secrete enough enzymes to help the food digest food, confirm blood sugar, can cause inflammation to the pancreas.
  - GI system- Causes greasy loose stools, fat in stools, delayed puberty, stomach pain, and a rectal prolapse.
  - Pulmonary system- Cystic fibrosis causes the body to ineffectively move salt and water out of the cells which can lead to a buildup of mucus in the lungs. The mucus becomes thick and hard to move, but can lead to respiratory infections, activity intolerance, and a consistent cough.
  - Growth and Development- Since cystic fibrosis affects the pancreas's ability to digest food, the child may have malabsorption and malnutrition. People who have cystic fibrosis take up more energy to breath and fight infection.

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

Acetabular dysplasia- shallow acetabulum, Subluxation- partially displaced head of femur, Dislocation- dislocate head of femur

3. Name the 3 stages of treatment for clubfoot:

Correction of deformity, Maintenance of correction, 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: Acute laryngotracheobronchitis