NR 23 Lecture Outline

The Thorax and Lung Assessment
Part II

The Mediastium

1. Trachea

   Right main bronchi
   Left main bronchi
   Goblet cells
   Acinus
   Bronchioles

2. Respiration

   ▪ Inspiration

   ▪ Expiration

   Chest cavity diameter during respiration:

   - Vertical diameter
     Inspiration
     Expiration

   - AP (anteroposterior diameter)
     Inspiration
     Expiration
3. Respiration Patterns: are evaluated according to respiratory rate, depth and rhythm

**Rates**
- Eupnea
- Tachypnea
- Bradypnea
- Apnea

**Depth**
- Moderate
- Shallow
- Increased depth

**Rhythm**
- Moderate
- Hyperventilation
- Hypoventilation

**Abnormal patterns**
- Cheyne-Stokes
- Biot’s
- Kussmaul’s

4. Normal Breath Sounds: vary in pitch, amplitude, duration, quality and location
a. Bronchial

b. Bronchovesicular

c. Vesicular

4. Adventitious sounds

   Crackles (rales)

   Rhonchi

   Wheeze

   Pleural Friction Rub

   Stridor

5. Voice sounds
Bronchophony
Egophony
Whispered Pectoriloquy

PHYSICAL ASSESSMENT PART II

Equipment needed:
Assessment techniques: IPPA

Percussion:

Posterior Chest

- Normal sound heard: Resonance
- Abnormal sounds heard: Hyperresonance, Dullness
- Diaphragmatic excursion

Anterior Chest

- Normal sound heard: Resonance, Dullness
- Abnormal sounds heard: Hyperresonance, Dullness

Auscultation
- Note respiratory pattern, rate, depth and rhythm

**Posterior chest**

- Bronchial
- Bronchovesicular
- Vesicular

- If present note adventitious sounds

**Anterior chest**

- Bronchial
- Bronchovesicular
- Vesicular

- If present note adventitious sounds

- Voice sounds

**Bronchophony**

**Egophony**

**Whispered Pectoriloquy**