

## WEEK 9

# RESPIRATORY DISORDERS

### Objectives:

1. Describe what causes pleuritis and explain the different types of pleural effusions.
2. Discuss what causes a pneumothorax and describe the different types.
3. Describe what atelectasis is and the two different types.
4. Explain the causes, manifestations, and treatments of asthma. What long-term changes can be observed in the lungs of a patient with asthma?
5. Explain the types of chronic obstructive pulmonary diseases and their causes.
6. Discuss what causes the common cold and its clinical manifestation and course.
7. Explain rhinosinusitis and its symptoms.
8. Explain pneumonia and the different classifications. Name the most common etiological agent for bacterial pneumonia.
9. Describe the cause, disease process, and manifestations of tuberculosis. Explain how a TB skin test works.

### Vocabulary:

- Antigenic drift
- Antigenic shift
- Asthma (intrinsic vs extrinsic)
- Atelectasis (primary and secondary)
- Blue bloater
- Chronic Bronchitis
- Chronic obstructive pulmonary disease (COPD)
- Chylothorax
- Common cold
- Dead space (anatomical vs alveolar)
- Emphysema (panacinar, centriacinar)
- Exudate
- FEV1
- FVC
- FEV1/FVC ratio
- Hemothorax
- Hemagglutinin
- Hydrothorax
- Influenza (types A,B,C, and D)
- M1 and M2
- Mycobacterium tuberculosis
- Neuraminidase
- Peak expiratory flow (PEF)
- Pink puffer
- Pleural effusion
- Pleuritis (pleurisy)
- Pneumothorax (primary, secondary, open, and tension)
- Pneumonia (typical vs atypical, community vs nosocomial)
- Rhinosinusitis
- Pyothorax (empyema)
- Shunt
- Streptococcus pneumoniae
- Transudate
- Tuberculin
- Tuberculosis (TB)
- Urinothorax
- V/Q ratio

Disorders of Respiratory Function Part I
Disorders of the Pleura
Pneumothorax
Atelectasis
Asthma
Disorders of Respiratory Function Part II
Chronic Obstructive Pulmonary Disease (COPD)
The Common Cold and Rhinosinusitis
Influenza
Pneumonia
Tuberculosis (TB)



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