



## PULMONOLOGY

**Goal:** The goal of the Pulmonology rotation is to provide learning opportunities that will enable students to develop or refine the knowledge, skills, and attitudes necessary to:

1. Elicit a complete and focused respiratory history.
2. Perform a complete airway and lung examination.
3. Perform a complete osteopathic structural examination of the chest and thoracic spine.
4. Perform a complete physical examination as it relates to the pulmonary system including examination of the skin color, extremities for edema, and other related systems in the “whole person.”
5. Evaluate and determine medical treatment of pulmonary problems.
6. Apply laboratory information and testing to specific to pulmonary problems.

**Objectives:** The student should be able to perform an accurate clinical history, a complete osteopathic physical exam, and formulate a differential diagnosis of the list below and describe the diagnostic and initial medical management and osteopathic treatment where indicated in a plan for each of the following:

1. Viral tracheitis.
2. Bronchitis.
3. Pneumonia.
  - a. Virgal.
  - b. Legionella.
  - c. Community acquired.
  - d. Lobar vs. interstitial.
  - e. Aspiration.
4. Asthma (know asthma guidelines).
5. Gastroesophageal reflux with pulmonary complications.
6. Lung cancer.
7. TB.
8. Congestive heart failure.
9. Empyema.
10. Allergy or atopic respiratory disease.
11. Lung cancer.

**The medical student should be familiar with the common etiologies, the diagnostics, and formulate an appropriate management plan to minimize exacerbations for each:**

1. Asthma.
2. Chronic bronchitis.
3. Emphysema.
4. Alpha 1 antitrypsin deficiency.
5. Smoking related.
6. Occupational pulmonary disease.

**The medical student should be identify the appropriate use of the following diagnostic exams and their interpretation:**

1. Pulmonary Function Testing.
2. ABG.
3. Chest x-ray.
4. CT and MRI of the Chest.
5. Pleural biopsy.
6. Lung biopsy.
7. Pleuracentesis.

**The medical student should be identify the appropriate use of osteopathic manipulation in the treatment of:**

1. Pneumonia.
2. Somatic Dysfunction involving the thoracic cage and thoracic spine.
3. Congestive Heart Failure.

**Facilitate healing and comfort in each of the above with the use of appropriate techniques according to clinical setting.**