Assignment 7

Problem 1
A simple thoracic X-ray of a patient is shown below.

![Image of X-ray]

a. Which organ is most likely to be affected by this abnormality?

b. What is the most likely cause of this abnormality?

Problem 2
A patient presents with symptoms of shortness of breath and fatigue.

a. What could be the underlying cause of these symptoms?

b. What diagnostic tests should be performed to rule out potential causes?

Problem 3
A patient undergoes a CT scan of the chest.

a. What abnormalities are visible in the scan?

b. What are the possible implications of these findings?

Problem 4
A patient is admitted with a history of chest pain.

a. What differential diagnoses should be considered?

b. What diagnostic tests are necessary to make a definitive diagnosis?

Problem 5
A patient is diagnosed with a chronic respiratory condition.

a. What lifestyle modifications can help manage this condition?

b. What medical interventions may be necessary?

Problem 6
A patient undergoes a pulmonary function test.

a. What does the test reveal about the patient's lung function?

b. How can the results be used to guide treatment?

Problem 7
A patient is diagnosed with a pulmonary embolism.

a. What is the likely cause of this condition?

b. What are the potential complications?

Problem 8
A patient is admitted with a history of asthma.

a. What are the key features of an asthma attack?

b. What is the treatment approach for severe asthma attacks?

Problem 9
A patient is diagnosed with a chronic obstructive pulmonary disease (COPD).

a. What are the key features of COPD?

b. What lifestyle modifications can help manage this condition?

Problem 10
A patient presents with symptoms of pneumonia.

a. What are the common causes of pneumonia?

b. What is the treatment approach for pneumonia?

Problem 11
A patient undergoes a thoracentesis.

a. What information can be obtained from the thoracentesis fluid?

b. What is the significance of pleural effusion?

Problem 12
A patient is diagnosed with a lung cancer.

a. What are the common symptoms of lung cancer?

b. What is the typical treatment approach for lung cancer?