Lung Disease Case Notes

Research the following diseases to find the description and symptoms of each disease. Then read the case notes and classify each as either Lung Disease, Emphysema, Fibrosis, Asthma or Tuberculosis. List your evidence and source for each case.

A = __________________________
Source: __________________________
Evidence:

B = __________________________
Source: __________________________
Evidence:

C = __________________________
Source: __________________________
Evidence:

D = __________________________
Source: __________________________
Evidence:

E = __________________________
Source: __________________________
Evidence:

X = __________________________
Source: __________________________
Evidence:
Medical Chart: Patient A

Patient History

Patient A is a 35 year old male. Patient A was originally born in Tanzania but has lived in the US since he was 10 years old. The patient has recently returned from a trip to Tanzania.

Symptoms

The patient has a persistent cough and has complained of constantly being lethargic. The patient also has a slight fever which may be an indication of an infection; blood cultures have been sent to the laboratory but have not been returned yet. An X-ray of the patient’s chest shows signs of fresh tissue damage and scar tissue.

Treatment

The patient has been given antibiotics but his condition has not improved.

Additional Information

The patient has a low BMI of 16.
Medical Chart: Patient B

Patient History

Patient B is a 52 year old male who is a heavy smoker. The patient was admitted to hospital after collapsing while climbing a set of stairs at work.

Symptoms

The patient has a persistent cough and has complained of constantly being short of breath. The patient’s lips have a slight blue discoloration and the patient has an above normal ventilation rate. An X-ray of the patient’s chest has revealed that his lungs are hyperinflated.

Treatment

The patient has been placed on an oxygen mask and has showed some signs of improvement. The blue coloration of the patient’s lips has now faded.

Additional Information

The patient reports of occasionally coughing up blood but this has not been observed since he was admitted.
Medical Chart: Patient C

Patient History

Patient C is a 63 year old female. The patient was admitted to hospital after becoming extremely short of breath and experiencing pain in her chest.

Symptoms

The patient has a persistent dry cough and has complained of constantly being short of breath. In particular, the patient exhibits difficulty in expiration. The patient has experienced pains in her chest and has complained of feeling fatigued. A high resolution CT scan (HRCT) has revealed the presence of scar tissue in the patient's lungs.

Treatment

The patient has been placed on an oxygen mask and given painkillers.

Additional Information

The patient reports that her father experienced similar symptoms.
Medical Chart: Patient D

Patient History

Patient D is a 3 year old male. The patient was admitted to hospital after his parents became concerned that he was experiencing difficulties in breathing.

Symptoms

The parents reported the infant struggling to breathe, coughing and making a wheezing sound while trying ventilating his lungs. Examination of the patient’s trachea using an endoscope revealed extensive inflammation of the epithelial lining.

Treatment

The patient was given a weak course of steroids which appear to have alleviated the symptoms.

Additional Information

The family have recently adopted a cat from Battersea Dogs and Cats home.
Medical Chart: Patient E

Patient History

Patient E is a 23 year old female.

Symptoms

The patient was sent to hospital after coughing up blood. The patient has enlarged lymph nodes and a fever, suggestive of a bacterial infection. Cultures have been grown from the damaged blood and lung tissue that has been expelled. These cultures reveal that the infection is caused by a rod shaped bacterium.

Treatment

The patient has been given antibiotics and steroids but their condition has not improved.

Additional Information

Her parents are cattle farmers and are also displaying similar symptoms.
Medical Chart: Patient X

Patient History

Patient X is a 33 year old male. Patient A is HIV+ and is showing signs of developing AIDS.

Symptoms

The patient has a fever and swollen lymph nodes. He has a toe that has become infected after a DIY accident. The patient has complained of a shortness of breath, in particular the patient is struggling to expel air from their lungs. The patient is also displaying some skin discoloration, particularly of the lips. An X-ray of the patient’s lungs has revealed extensive scar tissue due to some previous trauma to the lungs. The patient coughs regularly, usually this is a dry cough but occasionally blood has been observed. The patient appears malnourished and has a low BMI.

Treatment

The patient has been given antibiotics and the infection appears to be improving.

Additional Information

Patient X has previously been a known abuser of illegal drugs, particularly cannabis and heroin.