

Chest pain

A 55-year-old man presented with a 3 days history of hemoptysis he stated that he was in his usual health but over the last 2 months he had progressive dyspnea to the extent that he had difficulty to move inside the house the dyspnea was associated with dry cough with occasional streaks of blood and right-sided chest pain which he described it as a 'catch in the breath'. The pain gets worse with deep breathing and coughing. During this period, he has developed episodes of fever, which is more pronounced in the evening. He did not check his weight but noticed that his usual clothes are loose he attribute to recent decrease in appetite he had no wheezing or PND and denied change in bowels or urine as well as no complain of a rash, oral ulcers, photosensitivity or joint pains. He is an otherwise healthy bank clerk who has not suffered from any other illness.

He has 20 pack years smocking and did not drink alcohol or travelled recently he is not taking any medication.

1)What would your possible differential diagnosis include before examination?

2)Discuss differentiating features of three possible important D/D (any most likely three)?

On physical examination he looks ill tachypneic and pale. His pulse is regular at 110 beats/min and his blood pressure is 120/82 mmHg. Respiratory rate is 26/min. There is evidence of multiple anterior cervical 2-4cm lymphadenopathy.

JVP is not raised and Signs of chronic liver disease are absent. The trachea is shifted to the left side and the apical impulse is shifted laterally. The right side of the chest moves less with respiration. Tactile vocal fremitus is reduced. On percussion, a stony dull note is elicited on the right side. Breath sounds and vocal resonance are almost absent on the right side. Abdominal, cardiovascular and neurological examinations are normal. The rest of the physical examination is unremarkable.

3)What does this examination finding suggest?

4)Outline necessary investigations?

5)Discuss diagnostic feature of your possible important differential diagnosis above?