

Case 12 (April 20 2006): [N Engl J Med 2006;354:1729-37.](#)

Case 12-2006. A 37-year-old man with hemoptysis and a pulmonary infiltrate.

Demographic: 37 year old, male, America North, General speciality (10 years ago emigrated from Middle East)

Clinical features extracted from the case and entered into the query box:

hemoptysis
night sweats

Synonyms used by Isabel (optional) for the above query:

Hemoptysis
night sweats

STOP !

Before you read further you might want to construct your own:

- Complete differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel contain
- Did Isabel suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:

Tuberculosis
Lymphoma – Hodgkins or Non-Hodgkins
Bronchogenic carcinoma

Final Diagnosis of the case according to NEJM:

Tuberculosis

Differential Diagnoses of the case as given by Isabel:

Tuberculosis – Isabel 1st page
Bronchogenic carcinoma – Isabel 1st page

Was the final diagnosis given by Isabel?

Yes, Tuberculosis (Isabel 1st page)

If you select Middle East then Pulmonary TB comes up (Isabel 1st page) &
Bronchogenic carcinoma (Isabel 1st page)

Entire presentation cut and pasted into the Isabel query box:

Tuberculosis – Isabel 1st page
Bronchogenic carcinoma – Isabel 2nd page & on clicking on speciality heading

Isabel Differential:

UROLOGIC DISORDERS	RESPIRATORY SYSTEM DISORDERS
↳ Neoplasms of the Kidney <input type="checkbox"/>	Lung Abscess <input type="checkbox"/>
	Pleural Effusion <input type="checkbox"/>
	↳ Lung Neoplasms <input type="checkbox"/>
	Pulmonary TB <input type="checkbox"/>
	COPD <input type="checkbox"/>
INFECTIOUS DISEASES	
↳ Aspergillus Infection <input type="checkbox"/>	
Tuberculosis <input type="checkbox"/>	
NEOPLASTIC DISEASES	RHEUMATIC DISEASES
Head and Neck Neoplasms <input type="checkbox"/>	Wegener Granulomatosis <input type="checkbox"/>
Kaposi Sarcoma <input type="checkbox"/>	
HEMATOLOGY	CARDIOVASCULAR SYSTEM
↳ Pulmonary Thromboembolism <input type="checkbox"/>	↳ Left-to-Right Shunt Lesions <input type="checkbox"/>
Deep Vein Thrombosis <input type="checkbox"/>	Superior Vena Cava Syndrome <input type="checkbox"/>
DIC <input type="checkbox"/>	↳ Pulm Venous Return Disorders <input type="checkbox"/>
	Aortic Dissection <input type="checkbox"/>
	Pulmonary Vascular Disease <input type="checkbox"/>
	Cor Pulmonale <input type="checkbox"/>