

**Case 16 (May 24 2007):** [N Engl J Med 2007; 356\(21\):2185-2193.](#)

**Demographic:** Male, 61 yrs, America North, General speciality

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

chest pain  
anterior mediastinal mass

**Synonyms used by Isabel for the above query:**

Chest pain

## 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:**

Lymphoma  
Thymoma

**Final Diagnosis of the case according to NEJM:**

Thymoma

**Differential Diagnoses of the case as given by Isabel:**

Thymic neoplasms / Thymomas – Isabel 1<sup>st</sup> page  
Non- Hodgkins Lymphoma - Isabel 1<sup>st</sup> page  
Hodgkins disease – click on Neoplastic diseases heading

***Was the final diagnosis given by Isabel:***

Yes, Isabel 1<sup>st</sup> page

***Entire presentation cut and pasted into the Isabel query box:***

NHL – click on Neoplastic diseases heading

**Isabel differential:**

<b>RESPIRATORY SYSTEM DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Thymic Neoplasms</a> <b>RD</b> + <a href="#">Lung Neoplasms</a> <b>RD</b> <a href="#">Sarcoidosis</a> <b>RD</b> <a href="#">Neurogenic Tumors</a> <b>RD</b> <a href="#">Lung Collapse</a> <b>RD</b> <a href="#">Diaphragmatic Paralysis</a> <b>RD</b>	<b>RHEUMATIC DISEASES</b> << <a href="#">Click here</a> <a href="#">Lymphomatoid Granulomatosis</a> <b>RD</b>
<b>VASCULAR DISORDERS</b> << <a href="#">Click here</a>	<b>GASTROINTESTINAL DISORDERS</b> << <a href="#">Click here</a> <a href="#">Hiatus / Diaphragmatic Hernia</a> <b>RD</b>
<b>HEMATOLOGY</b> << <a href="#">Click here</a>	<b>NEOPLASTIC DISEASES</b> << <a href="#">Click here</a> <a href="#">Non-Hodgkin's Lymphoma</a> <b>RD</b> <a href="#">Carcinoid Cancer</a> <b>RD</b>
	<b>CARDIAC DISORDERS</b> << <a href="#">Click here</a>
	<b>INFECTIOUS DISEASES</b> << <a href="#">Click here</a>
	<b>TRAUMA INJURIES</b> << <a href="#">Click here</a>