

**Case 8 (March 15 2007):** [N Engl J Med 2007;356:1153-62](#)

**Demographic:** Male, 48 yrs, America North, General speciality

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

pleuritic chest pain  
diffuse ST-segment elevations  
leukocytosis  
tachycardic  
elevated erythrocyte sedimentation rate  
elevation of cardiac biomarkers  
fever  
bacteremia  
elevated levels of troponin  
elevated Creatine kinase

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

Leucocytosis  
Fever  
Pleuritic chest pain  
Elevated Creatine kinase  
Elevated erythrocyte sedimentation rate

**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:***

Pericarditis - Acute Pericarditis / Myopericarditis

Myocarditis

Right ventricular dysplasia

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

Bacterial myopericarditis

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

Pericarditis – Isabel 1<sup>st</sup> page

Myocarditis – Isabel 1<sup>st</sup> page

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

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

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

Pericarditis – click on Cardiac disorders heading

**Isabel differential:**

<b>RESPIRATORY SYSTEM DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Lung Neoplasms</a> <b>RD</b> + <a href="#">Bacterial Pneumonia</a> <b>RD</b>	<b>CARDIAC DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Myocarditis</a> <b>RD</b> + <a href="#">Ischemic Heart Disease</a> <b>RD</b> + <a href="#">Pericarditis</a> <b>RD</b>
<b>INFECTIOUS DISEASES</b> << <a href="#">Click here</a> + <a href="#">Yersinia Infection</a> <b>RD</b>	<b>NERVOUS SYSTEM DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Spinal Infections</a> <b>RD</b>
<b>IMMUNOLOGIC SYSTEM</b> << <a href="#">Click here</a>	<b>LIVER DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Liver Abscess</a> <b>RD</b>
<b>ENDOCRINE SYSTEM</b> << <a href="#">Click here</a>	<b>GASTROINTESTINAL DISORDERS</b> << <a href="#">Click here</a> + <a href="#">Intestinal Obstruction</a> <b>RD</b> + <a href="#">Acute Appendicitis</a> <b>RD</b>
<b>RHEUMATIC DISEASES</b> << <a href="#">Click here</a>	<b>SHOCK STATES</b> << <a href="#">Click here</a>
<b>TOXICOLOGY</b> << <a href="#">Click here</a>	<b>DERMATOLOGY</b> << <a href="#">Click here</a>
	<b>TRAUMA INJURIES</b> << <a href="#">Click here</a>

