

Case 5 (February 15 2007): [N Engl J Med 2007;356:715-25](#)

Demographic: Male, 53yrs, America North, General speciality

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

fatigue
weight loss
anorexia
dyspnea on exertion
profuse sweating
ruddy facial complexion
anemia
bibasilar rales
lymphadenopathy
splenomegaly
elevated serum lactate dehydrogenase
pancytopenia
changing murmurs
high ESR

Synonyms used by Isabel for the above query:

Fatigue
Weight loss
Anorexia
Anemia
Splenomegaly
Pancytopenia
High ESR
Lymphadenopathy
Dyspnea on exertion

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:

Infectious endocarditis

C. burnetii (Q fever) endocarditis

Bartonella infection - *B. Quintana*, *B. henselae*

Final Diagnosis of the case according to NEJM:

C. burnetii (Q fever) endocarditis

Differential Diagnoses of the case as given by Isabel:

Infectious endocarditis – Isabel 1st page

Q fever – click on Infectious diseases heading

Was the final diagnosis given by Isabel:

Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:

Infectious endocarditis – click on Cardiac disorders heading

Q fever – click on Infectious diseases heading

Isabel differential:

<p>RESPIRATORY SYSTEM DISORDERS << Click here</p> <p>Sarcoidosis RD</p> <p>Interstitial Lung Disease RD</p>	<p>INFECTIOUS DISEASES << Click here</p> <p>Brucellosis RD</p> <p>Q Fever RD</p> <p>Hantavirus Syndrome RD</p> <p>Babesiosis RD</p>
<p>CARDIAC DISORDERS << Click here</p> <p>Infective Endocarditis RD</p> <p>Heart Failure / CHF RD</p> <p>+ Cardiac Neoplasms RD</p>	<p>NEOPLASTIC DISEASES << Click here</p> <p>+ Non-Hodqkin's Lymphoma RD</p> <p>+ Leukemia RD</p> <p>+ Lymphoma RD</p>
<p>HEMATOLOGY << Click here</p> <p>Castleman's Disease RD</p> <p>Aplastic Anemia RD</p> <p>Polycythemia Disorders RD</p> <p>Myelofibrosis RD</p> <p>Hemochromatosis RD</p>	<p>LIVER DISORDERS << Click here</p> <p>+ Liver Abscess RD</p>
<p>RHEUMATIC DISEASES << Click here</p> <p>Giant Cell Arteritis RD</p> <p>Polymyalgia Rheumatica RD</p>	<p>ALLERGIC DISORDERS << Click here</p>

