



**Case 11 (April 09 2009):** [N Engl J Med. 360\(15\):1540-1548](#)

**Demographic:** Male, 47 yrs, America North, General speciality

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

***box:***

pleuritic chest pain  
fever  
maculopapular rash  
vomiting  
chills  
diaphoresis  
sore throat  
frontal headache  
lymphadenopathy  
productive cough  
myalgias  
arthralgias  
photophobia  
neck stiffness

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

sore throat  
maculopapular rash  
myalgias  
neck stiffness  
photophobia  
pleuritic chest pain  
lymphadenopathy  
vomiting  
productive cough  
arthralgias  
fever  
diaphoresis  
headache  
chills

## **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:***

Aseptic Meningitis  
Rickettsial Disease  
Syphilis  
EBV Infection  
Influenza

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

Acute HIV Infection

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

Aseptic Meningitis – under Infectious diseases heading  
Rickettsial Disease – under Infectious diseases heading  
Syphilis – under Infectious diseases heading  
EBV Infection – under Infectious diseases heading  
Influenza – under Infectious diseases heading

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

Yes, Acute HIV Infection – under Infectious diseases heading

**Isabel Differential:**

- INFECTIOUS DISEASES		>> click to collapse
<input type="checkbox"/> <a href="#">Influenza and Parainfluenza Viruses</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Measles Infection</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Bacterial Meningitis</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Viral Meningoencephalitis</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">EBV Infection</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Salmonella Infections</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">HIV / AIDS</a>	<input type="radio"/>	RD
<p><b>Why did this diagnosis come up ?</b> <span style="float: right; border: 1px solid black; padding: 0 2px;">X</span></p> <p>We matched the terms: pharyngitis   maculopapular rash   myalgia   myalgias   lymphadenopathy   vomiting   arthralgias   arthralgia   fever   fevers   headache   headaches</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 57%</p>		
<input type="checkbox"/> <a href="#">Tuberculosis</a>	<input type="radio"/>	RD
<a href="#">Meningococcal Disease</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Yersinia Infection</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Toxic Shock Syndrome</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Arboviral Infections / Encephalitides</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Brucellosis</a>	<input type="radio"/>	RD
<a href="#">Lyme Disease</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">Anthrax</a>	<input type="radio"/>	RD
<a href="#">Q Fever</a>	<input type="radio"/>	RD
<a href="#">Lemierre's Syndrome</a>	<input type="radio"/>	RD
<a href="#">Lymphogranuloma Venereum</a>	<input type="radio"/>	RD
<input type="checkbox"/> <a href="#">CMV Infections</a>	<input type="radio"/>	RD