

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"/> Influenza and Parainfluenza Viruses	<input type="radio"/>	RD
<input type="checkbox"/> Measles Infection	<input type="radio"/>	RD
<input type="checkbox"/> Bacterial Meningitis	<input type="radio"/>	RD
<input type="checkbox"/> Viral Meningoencephalitis	<input type="radio"/>	RD
<input type="checkbox"/> EBV Infection	<input type="radio"/>	RD
<input type="checkbox"/> Salmonella Infections	<input type="radio"/>	RD
<input type="checkbox"/> HIV / AIDS	<input type="radio"/>	RD
<p>Why did this diagnosis come up ? X</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"/> Tuberculosis	<input type="radio"/>	RD
Meningococcal Disease	<input type="radio"/>	RD
<input type="checkbox"/> Yersinia Infection	<input type="radio"/>	RD
<input type="checkbox"/> Toxic Shock Syndrome	<input type="radio"/>	RD
<input type="checkbox"/> Arboviral Infections / Encephalitides	<input type="radio"/>	RD
<input type="checkbox"/> Brucellosis	<input type="radio"/>	RD
Lyme Disease	<input type="radio"/>	RD
<input type="checkbox"/> Anthrax	<input type="radio"/>	RD
Q Fever	<input type="radio"/>	RD
Lemierre's Syndrome	<input type="radio"/>	RD
Lymphogranuloma Venereum	<input type="radio"/>	RD
<input type="checkbox"/> CMV Infections	<input type="radio"/>	RD