

Case 4 (January 29 2009): [N Engl J Med. 360\(5\):508-516](#)

Demographic: Female, 39 yrs, Pregnant, Africa East (as patient had travelled to Africa East recently), General speciality

Clinical features extracted from the case and entered into the query

box:

daily fevers
rigors
malaise
myalgias
fatigue
intermittent diarrhea
bloating
macular rash

Synonyms used by Isabel for the above query:

bloating
diarrhea
rash
malaise
fatigue
myalgias
fevers
rigors

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:

Malaria
Salmonellosis
EBV

Final Diagnosis of the case according to NEJM:

Cytomegaloviral Infection

Differential Diagnoses of the case as given by Isabel:

Malaria – under Infectious diseases heading
Salmonellosis – under Infectious diseases heading
EBV – under Infectious diseases heading

Was the final diagnosis given by Isabel:

Yes, Cytomegaloviral Infection – under Infectious diseases heading

Isabel Differential:

- INFECTIOUS DISEASES >> click to collapse	
<input checked="" type="checkbox"/> Influenza and Parainfluenza Viruses	? RD
<input checked="" type="checkbox"/> Bacterial Meningitis	? RD
<input checked="" type="checkbox"/> Ascariasis	? RD
<input checked="" type="checkbox"/> EBV Infection	? RD
<input checked="" type="checkbox"/> Viral Meningoencephalitis	? RD
<input checked="" type="checkbox"/> VZV Infection	? RD
<input checked="" type="checkbox"/> Malaria	? RD
<input checked="" type="checkbox"/> Lyme Disease	? RD
<input type="checkbox"/> CMV Infections	○ RD
<div style="border: 1px solid black; background-color: yellow; padding: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: rash rashes malaise fatigue myalgia myalgias fever fevers chill chills</p> <p>Degree of match between query entered and isabel database (Not clinical probability): 59%</p> </div>	
<div style="border: 1px solid gray; background-color: #e0e0e0; padding: 2px;"> <p>CMV Disease in the Immunocompromised Host</p> </div>	
<input checked="" type="checkbox"/> Gonococcal Infection	? RD
<input checked="" type="checkbox"/> Meningococcal Disease	? RD
<input checked="" type="checkbox"/> Salmonella Infections	? RD
<input checked="" type="checkbox"/> Brucellosis	? RD
<input checked="" type="checkbox"/> Chikungunya	? RD
<input checked="" type="checkbox"/> Rickettsialpox	? RD