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Case 8 (March 15 2012): [N Engl J Med. 366\(11\):1039-1045](#)

Demographic: Male, 53 yrs, North America

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

diarrhea
fever
severe malaise
headache
abdominal pain
mild sore throat

Synonyms used by Isabel for the above query:

diarrhea
fever
severe malaise
headache
abdominal pain
mild sore throat

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:

Salmonella
Cytomegalovirus

Final Diagnosis of the case according to NEJM:

Listeria monocytogenes infection with gastroenteritis and bacteremia

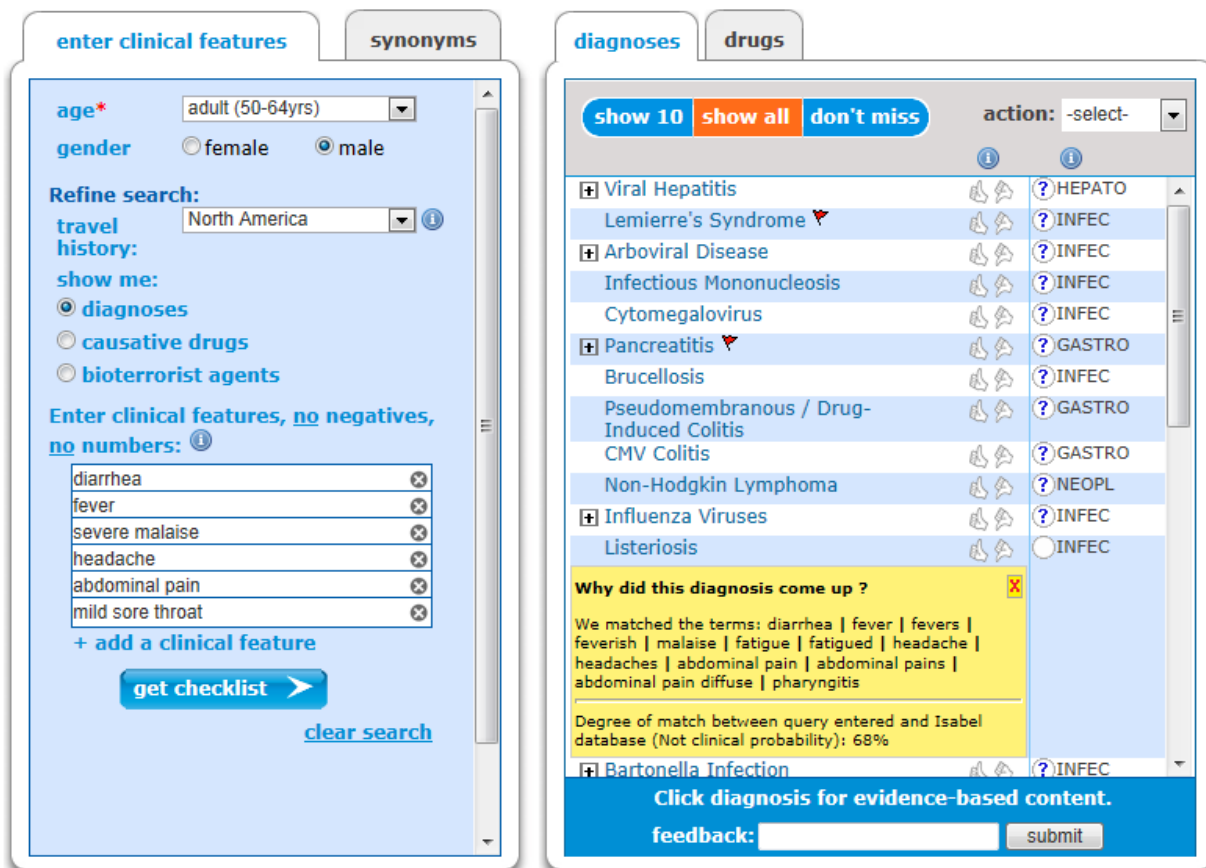
Differential Diagnoses of the case as given by Isabel:

Salmonella in Infectious
Cytomegalovirus in Infectious

Was the final diagnosis given by Isabel:

Yes, Listeriosis Infectious

Isabel Checklist Differential:



The screenshot displays the Isabel Checklist Differential interface, divided into two main panels: 'enter clinical features' and 'diagnoses'.

enter clinical features panel:

- age*:** adult (50-64yrs)
- gender:** female (selected), male
- Refine search:** travel history: North America
- show me:**
 - diagnoses
 - causative drugs
 - bioterrorist agents
- Enter clinical features, no negatives, no numbers:**
 - diarrhea
 - fever
 - severe malaise
 - headache
 - abdominal pain
 - mild sore throat
- Buttons:** + add a clinical feature, get checklist, clear search

diagnoses panel:

- Filters:** show 10, show all, don't miss, action: -select-
- Diagnosis List:**
 - Viral Hepatitis (HEPATO)
 - Lemierre's Syndrome (INFECTION)
 - Arboviral Disease (INFECTION)
 - Infectious Mononucleosis (INFECTION)
 - Cytomegalovirus (INFECTION)
 - Pancreatitis (GASTRO)
 - Brucellosis (INFECTION)
 - Pseudomembranous / Drug-Induced Colitis (GASTRO)
 - CMV Colitis (GASTRO)
 - Non-Hodgkin Lymphoma (NEOPL)
 - Influenza Viruses (INFECTION)
 - Listeriosis (INFECTION)
 - Bartonella Infection (INFECTION)
- Why did this diagnosis come up?**

We matched the terms: diarrhea | fever | fevers | feverish | malaise | fatigue | fatigued | headache | headaches | abdominal pain | abdominal pains | abdominal pain diffuse | pharyngitis

Degree of match between query entered and Isabel database (Not clinical probability): 68%
- Footer:** Click diagnosis for evidence-based content. feedback: [input] submit