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Case 3 (January 24 2013): [N Engl J Med. 368\(4\):375-385](#)

Demographic: Female, 72 years, Southeast Asia

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

end stage renal disease
nausea
vomiting
abdominal pain
abdominal distention
weight loss
anemia
guaiac positive stool
night sweats
peritoneal dialysis

Synonyms used by Isabel for the above query:

end stage renal disease
nausea
vomiting
abdominal pain
abdominal distention
weight loss
anemia
night sweats

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:

Peritonitis

Final Diagnosis of the case according to NEJM:

Peritoneal and pulmonary tuberculosis with tuberculous osteomyelitis

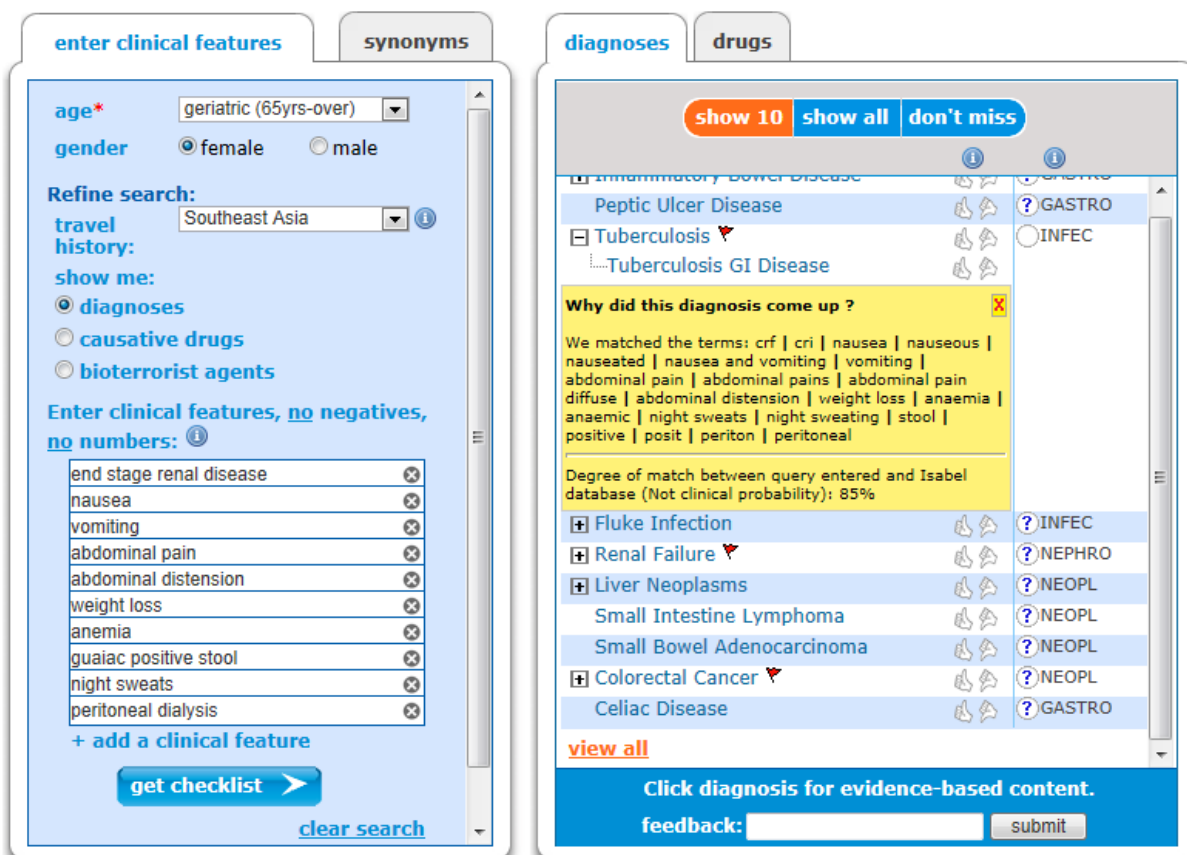
Differential Diagnoses of the case as given by Isabel:

Peritonitis in Gastro

Was the final diagnosis given by Isabel:

Yes, Tuberculosis GI Disease under Infectious

Isabel Checklist Differential:



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

enter clinical features panel:

- age*:** geriatric (65yrs-over)
- gender:** female (selected), male
- Refine search:** Southeast Asia
- travel history:** Southeast Asia
- show me:**
 - diagnoses
 - causative drugs
 - bioterrorist agents
- Enter clinical features, no negatives, no numbers:**
 - end stage renal disease
 - nausea
 - vomiting
 - abdominal pain
 - abdominal distension
 - weight loss
 - anemia
 - guaiac positive stool
 - night sweats
 - peritoneal dialysis
- Buttons:** + add a clinical feature, get checklist, clear search

diagnoses panel:

- Buttons:** show 10, show all, don't miss
- Diagnosis List:**
 - Inflammatory Bowel Disease
 - Peptic Ulcer Disease
 - Tuberculosis
 - Tuberculosis GI Disease
- Why did this diagnosis come up?**

We matched the terms: crf | cri | nausea | nauseous | nauseated | nausea and vomiting | vomiting | abdominal pain | abdominal pains | abdominal pain diffuse | abdominal distension | weight loss | anaemia | anaemic | night sweats | night sweating | stool | positive | posit | periton | peritoneal

Degree of match between query entered and Isabel database (Not clinical probability): 85%
- Additional Diagnoses:**
 - Fluke Infection
 - Renal Failure
 - Liver Neoplasms
 - Small Intestine Lymphoma
 - Small Bowel Adenocarcinoma
 - Colorectal Cancer
 - Celiac Disease
- Buttons:** view all, Click diagnosis for evidence-based content., feedback: submit