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Case 13 (April 25 2013): [N Engl J Med. 368\(17\):1636-1645](#)

Demographic: Female, 6 years, North America

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

bone and joint pain
abdominal distention
fever
rib pain
conjunctival injection
cervical lymphadenopathy
back pain
limping
abdominal mass
elevated ESR

Synonyms used by Isabel for the above query:

abdominal distention
fever
rib pain
conjunctival injection
cervical lymphadenopathy
back pain
limping
abdominal mass
elevated esr

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:

Tuberculosis
Tularemia
Leukemia

Final Diagnosis of the case according to NEJM:

B-cell lymphoblastic leukemia-lymphoma

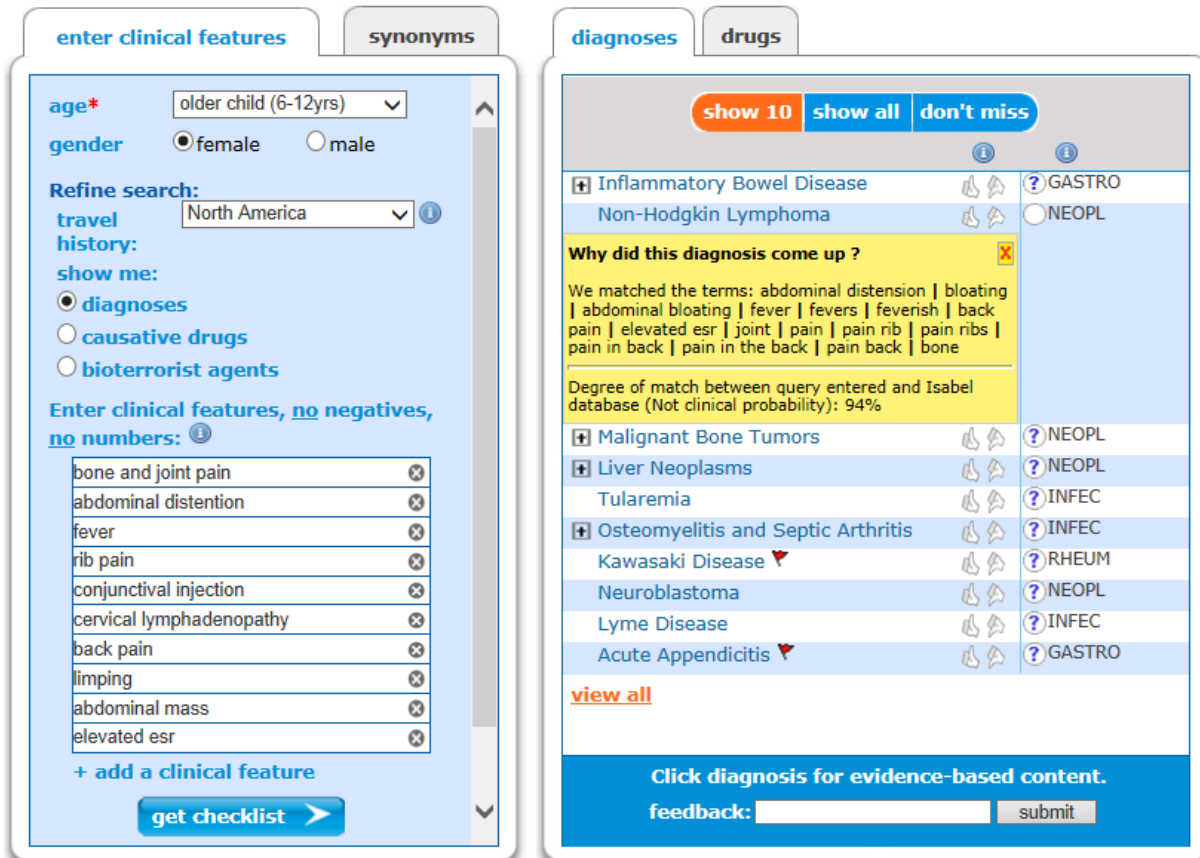
Differential Diagnoses of the case as given by Isabel:

Tuberculosis – Joint Tuberculosis under Spinal infections in Neuro
 Tularemia in Infectious

Was the final diagnosis given by Isabel:

Yes, Non-Hodgkin Lymphoma in Neoplastic

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*:** older child (6-12yrs)
- gender:** female (selected), male
- Refine search:** travel history: North America
- show me:** diagnoses (selected), causative drugs, bioterrorist agents
- Enter clinical features, no negatives, no numbers:**
 - bone and joint pain
 - abdominal distention
 - fever
 - rib pain
 - conjunctival injection
 - cervical lymphadenopathy
 - back pain
 - limping
 - abdominal mass
 - elevated esr
- get checklist** button

diagnoses panel:

- Buttons: show 10, show all, don't miss
- Diagnosis list:
 - Inflammatory Bowel Disease (GASTRO)
 - Non-Hodgkin Lymphoma (NEOPL)
 - Why did this diagnosis come up ?** (highlighted)
 - We matched the terms: abdominal distension | bloating | abdominal bloating | fever | fevers | feverish | back pain | elevated esr | joint | pain | pain rib | pain ribs | pain in back | pain in the back | pain back | bone
 - Degree of match between query entered and Isabel database (Not clinical probability): 94%
 - Malignant Bone Tumors (NEOPL)
 - Liver Neoplasms (NEOPL)
 - Tularemia (INFECTION)
 - Osteomyelitis and Septic Arthritis (INFECTION)
 - Kawasaki Disease (RHEUMATISM)
 - Neuroblastoma (NEOPL)
 - Lyme Disease (INFECTION)
 - Acute Appendicitis (GASTRO)
- view all** link
- Footer: Click diagnosis for evidence-based content. feedback: [input] submit