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Case 10 (March 28 2013): [N Engl J Med. 368\(13\):1239-1245](#)

Demographic: Male, 30 years, North America

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

intravenous drug use
fever
myalgias
polyarthritis
chills
cough
anorexia
malaise
erythematous rash
severe diaphoresis
arm and leg weakness
dyspnea
lightheadedness
elevated aminotransferase levels

Synonyms used by Isabel for the above query:

fever
myalgia
polyarthritis
chills
cough
anorexia
malaise
severe diaphoresis
dyspnea
lightheadedness
elevated aminotransferase levels

STOP !

Before you read further you might want to construct your own:

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the final diagnosis

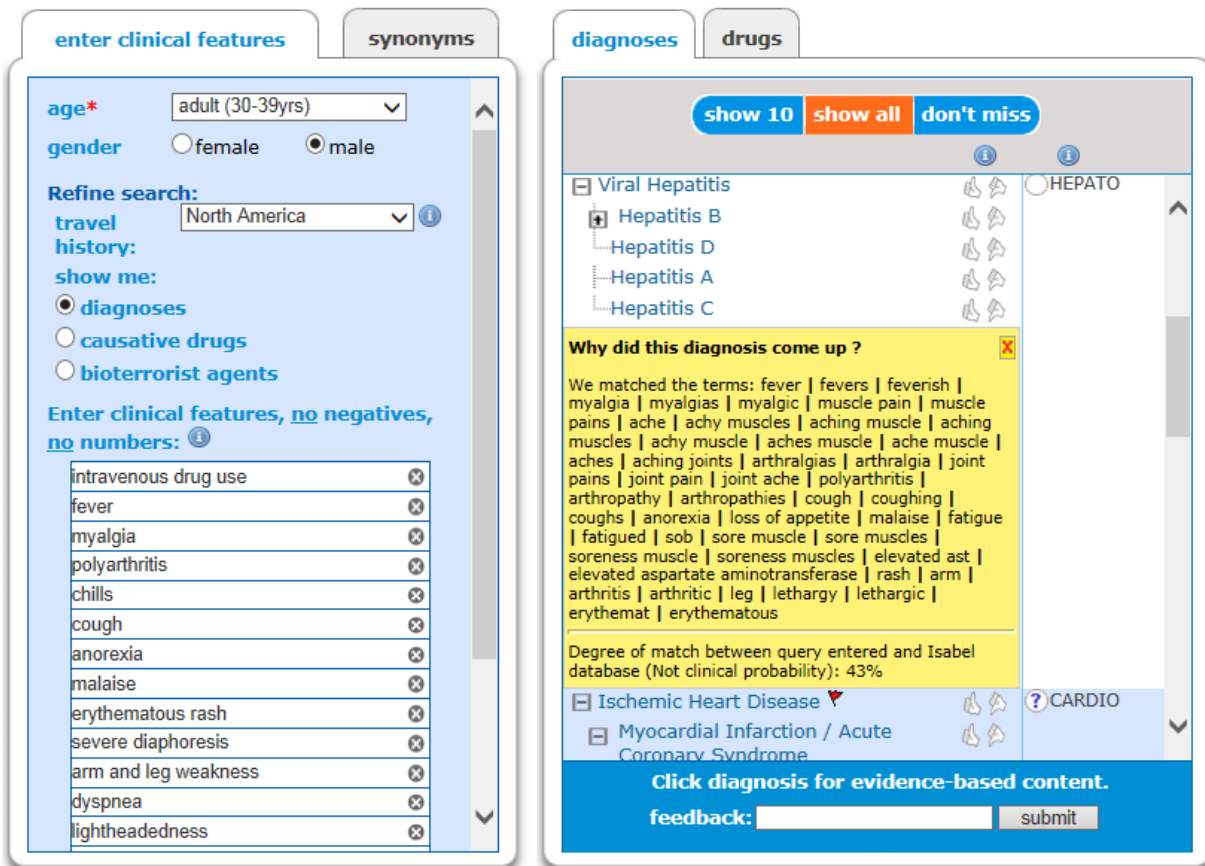
Final Diagnosis of the case according to NEJM:

Hepatitis B virus

Was the final diagnosis given by Isabel:

Yes, Hepatitis B under Hepatology

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 (30-39yrs)
- gender:** female male
- Refine search:**
 - travel:** North America
 - history:**
 - show me:**
 - diagnoses
 - causative drugs
 - bioterrorist agents
- Enter clinical features, no negatives, no numbers:**
 - intravenous drug use
 - fever
 - myalgia
 - polyarthritis
 - chills
 - cough
 - anorexia
 - malaise
 - erythematous rash
 - severe diaphoresis
 - arm and leg weakness
 - dyspnea
 - lightheadedness

diagnoses panel:

- Buttons: show 10, show all, don't miss
- Diagnosis list:
 - Viral Hepatitis
 - Hepatitis B
 - Hepatitis D
 - Hepatitis A
 - Hepatitis C
 - Ischemic Heart Disease
 - Myocardial Infarction / Acute Coronary Syndrome
- Why did this diagnosis come up ?**

We matched the terms: fever | fevers | feverish | myalgia | myalgias | myalgic | muscle pain | muscle pains | ache | achy muscles | aching muscle | aching muscles | achy muscle | aches muscle | ache muscle | aches | aching joints | arthralgias | arthralgia | joint pains | joint pain | joint ache | polyarthritis | arthropathy | arthropathies | cough | coughing | coughs | anorexia | loss of appetite | malaise | fatigue | fatigued | sob | sore muscle | sore muscles | soreness muscle | soreness muscles | elevated ast | elevated aspartate aminotransferase | rash | arm | arthritis | arthritic | leg | lethargy | lethargic | erythemat | erythematous

Degree of match between query entered and Isabel database (Not clinical probability): 43%
- Buttons: Click diagnosis for evidence-based content. feedback: [input] submit