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Case 39 (December 23 2010): [N Engl J Med. 363\(26\):2548-2557](#)

Demographic: Female, 19 yrs, Not pregnant, North America

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

jaundice
pruritus
malaise
vomiting
dark urine
eye discoloration
decreased appetite
weight loss
abdominal pain
elevated aminotransferase levels

Synonyms used by Isabel for the above query:

nausea
jaundice
pruritus
malaise
vomiting
dark urine
decreased appetite
weight loss
abdominal pain

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:

Hepatitis
 Drug induced hepatitis
 Wilson’s disease

Final Diagnosis of the case according to NEJM:

Autoimmune hepatitis

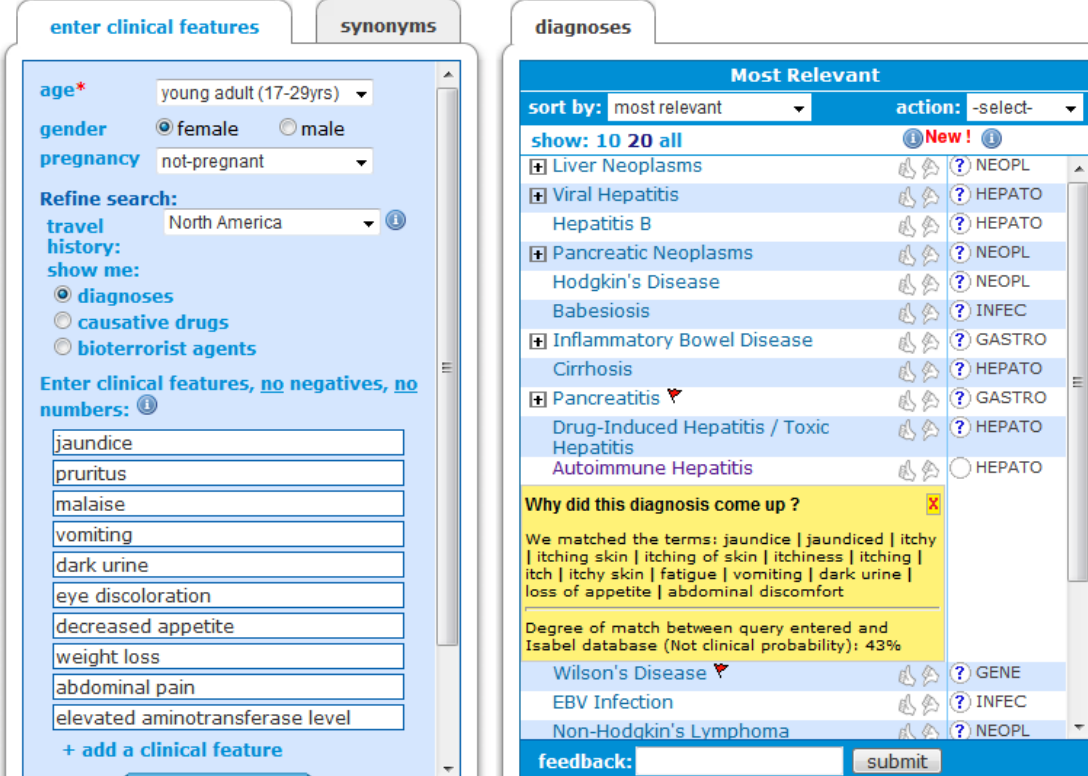
Differential Diagnoses of the case as given by Isabel:

Hepatitis in Hepatology
 Drug induced hepatitis in Hepatology
 Wilson’s disease in Genetics

Was the final diagnosis given by Isabel:

Yes, Autoimmune hepatitis in Hepatology

Isabel Differential:



The screenshot shows the Isabel Differential tool interface. On the left, the 'enter clinical features' tab is active, showing a form with fields for age (young adult), gender (female), pregnancy (not-pregnant), travel history (North America), and a list of symptoms including jaundice, pruritus, malaise, vomiting, dark urine, eye discoloration, decreased appetite, weight loss, abdominal pain, and elevated aminotransferase level. On the right, the 'diagnoses' tab is active, displaying a list of 'Most Relevant' diagnoses. The top diagnosis is 'Autoimmune Hepatitis', which is highlighted in yellow. Below it, a yellow box explains why this diagnosis came up, listing matched terms and a 43% degree of match. Other diagnoses include Wilson's Disease, EBV Infection, and Non-Hodgkin's Lymphoma. A feedback form is visible at the bottom right.

Diagnosis	Category
Liver Neoplasms	NEOPL
Viral Hepatitis	HEPATO
Hepatitis B	HEPATO
Pancreatic Neoplasms	NEOPL
Hodgkin's Disease	NEOPL
Babesiosis	INFECTION
Inflammatory Bowel Disease	GASTRO
Cirrhosis	HEPATO
Pancreatitis	GASTRO
Drug-Induced Hepatitis / Toxic Hepatitis	HEPATO
Autoimmune Hepatitis	HEPATO
Wilson's Disease	GENE
EBV Infection	INFECTION
Non-Hodgkin's Lymphoma	NEOPL