

Case 38 (December 11 2008): [N Engl J Med. 359\(24\):2587-2597](#)

Demographic: Male, 58 yrs, America North, General speciality

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

abdominal mass
hepatitis C infection
elevated alpha fetoprotein
recurrent bleeding

Synonyms used by Isabel for the above query:

Abdominal mass
Elevated alpha fetoprotein
Hemorrhage
Hepatitis C infection

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:

Hepatocellular carcinoma

Final Diagnosis of the case according to NEJM:

Factor VIII deficiency with factor VIII inhibitor, hepatitis C with bridging fibrosis, and hepatocellular carcinoma.

Differential Diagnoses of the case as given by Isabel:

Hepatocellular carcinoma – under Neoplastic diseases under Liver neoplasms
Factor VIII deficiency - under Hematology heading

Was the final diagnosis given by Isabel:

Yes, Hepatocellular carcinoma – under Neoplastic diseases and Factor VIII deficiency - under Hematology heading

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Isabel Differential:

- NEOPLASTIC DISEASES >> click to collapse	+ GASTROINTESTINAL DISORDERS << click to expand
<input type="checkbox"/> Colorectal Cancer ? RD	<input type="checkbox"/> Intestinal Obstruction ? RD
<input type="checkbox"/> Gastric Neoplasms ? RD	+ NEPHROLOGY << click to expand
<input type="checkbox"/> Leukemia ? RD	<input type="checkbox"/> Glomerulonephritis ? RD
<input type="checkbox"/> Non-Hodgkin's Lymphoma ? RD	<input type="checkbox"/> Nephrotic Syndrome ? RD
<input type="checkbox"/> Liver Neoplasms ○ RD	IMMUNOLOGIC SYSTEM
<p>Why did this diagnosis come up ? ✖</p> <p>We matched the terms: abdominal mass bleeding elevated alpha feto protein elevated afp hepatitis c infection hepatitis c</p> <p>Degree of match between query entered and isabel database (Not clinical probability): 80%</p> <ul style="list-style-type: none"> <input type="checkbox"/> Angiosarcoma <input type="checkbox"/> Bile Duct Neoplasms <input type="checkbox"/> Carcinoma of the Papilla of Vater <input checked="" type="checkbox"/> Cholangiocarcinoma <input type="checkbox"/> Epithelioid Haemangiopericytoma <input type="checkbox"/> Focal Nodular Hyperplasia <input type="checkbox"/> Hepatic Adenoma <input type="checkbox"/> Hepatic Granulomas <input type="checkbox"/> Hepatocellular Carcinoma <input type="checkbox"/> Liver Metastases 	<input type="checkbox"/> Selective IgA Deficiency ? RD
<input type="checkbox"/> Adenocarcinoma of the Small Bowel ? RD	+ DERMATOLOGY << click to expand
<input type="checkbox"/> Lymphoma of the Small Intestine ? RD	+ UROLOGIC DISORDERS << click to expand
<input type="checkbox"/> Small Intestine Neoplasms ? RD	+ METABOLIC DISEASES << click to expand
<input type="checkbox"/> Teratomas ? RD	+ RESPIRATORY DISORDERS << click to expand
+ LIVER DISORDERS << click to expand	
<input type="checkbox"/> Viral Hepatitis ? RD	
<input type="checkbox"/> Cirrhosis ? RD	
- HEMATOLOGY >> click to collapse	
<input type="checkbox"/> ITP ? RD	
<input type="checkbox"/> Factor VIII / Factor IX Deficiency ♂ ○ RD	
<p>Why did this diagnosis come up ? ✖</p> <p>We matched the terms: hemorrhage hepatitis c hepatitis c infection recurrent</p> <p>Degree of match between query entered and isabel database (Not clinical probability): 48%</p>	
+ INFECTIOUS DISEASES << click to expand	
+ RHEUMATIC DISEASES << click to expand	
+ VASCULAR DISORDERS << click to expand	
+ ALLERGIC DISORDERS << click to expand	