

**Case 23 (July 28 2005):** [N Engl J Med 2005;353:401-410](#)

**Demographic:** Male, 57 yrs, Asia East, General speciality

Asia East selected as region in Isabel query box page as patient had chronic hepatitis B infection diagnosed prior to admission probably stemming from perinatal period when he lived in Asia East. He emigrated to the United States 15 years prior to this admission.

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

liver lobe mass  
weight loss  
hepatitis B infection

**Synonyms used by Isabel for the above query:**

weight loss

**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

**Final Diagnoses of the case according to NEJM:**

Hepatocellular carcinoma

**Was the final diagnosis given by Isabel:**

Yes, Isabel 1<sup>st</sup> page

**Entire presentation cut and pasted into the Isabel query box:**  
Hepatocellular carcinoma - No

**Isabel differential for extracted features:**

<p><b>INFECTIOUS DISEASES</b> &lt;&lt; Click here</p> <ul style="list-style-type: none"> <li><u>Tuberculosis</u> <span style="float: right;">RD</span></li> <li>↳ <u>CMV Infections</u> <span style="float: right;">RD</span></li> <li>↳ <u>Pseudomonas</u> <span style="float: right;">RD</span></li> <li><u>Histoplasmosis</u> <span style="float: right;">RD</span></li> <li><u>Amoebiasis</u> <span style="float: right;">RD</span></li> </ul>	<p><b>NEOPLASTIC DISEASES</b> &lt;&lt; Click here</p> <ul style="list-style-type: none"> <li>↳ <u>Liver Neoplasms</u> <span style="float: right;">RD</span></li> <li>↳ <u>Hepatocellular Carcinoma</u> <span style="float: right;">&lt;&lt; Click here</span></li> <li>↳ <u>Liver Metastases</u> <span style="float: right;">RD</span></li> <li>↳ <u>Lymphomatoid Granulomatosis</u> <span style="float: right;">RD</span></li> </ul>
<p><b>LIVER DISORDERS</b> &lt;&lt; Click here</p> <ul style="list-style-type: none"> <li><u>Alcoholic Liver Disease</u> <span style="float: right;">RD</span></li> <li>↳ <u>Viral Hepatitis</u> <span style="float: right;">RD</span></li> </ul>	<p><b>RESPIRATORY SYSTEM DISORDERS</b> &lt;&lt; Click here</p> <ul style="list-style-type: none"> <li>↳ <u>Lung Neoplasms</u> <span style="float: right;">RD</span></li> </ul>
<p><b>GASTROINTESTINAL DISORDERS</b> &lt;&lt; Click here</p>	<p><b>UROLOGIC DISORDERS</b> &lt;&lt; Click here</p>
<p><b>NERVOUS SYSTEM DISORDERS</b> &lt;&lt; Click here</p>	<p><b>ENDOCRINE SYSTEM</b> &lt;&lt; Click here</p>