
Demographic: Male, 4 Week Old, America North, General speciality

Clinical features extracted from the case and entered into the query box:
jaundice
hyperbilirubinemia
thrombocytopenia
distended abdomen
icteric sclerae
palpable spleen
systolic ejection murmur
abnormal liver function

Synonyms used by Isabel for the above query:
distended abdomen
jaundice
thrombocytopenia
systolic ejection murmur
hyperbilirubinemia
palpable spleen

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:
Neonatal hemochromatosis

Final Diagnoses of the case according to NEJM:
Neonatal hemochromatosis
Neonatal giant cell hepatitis

Differential Diagnoses of the case as given by Isabel:
Neonatal hemochromatosis – Yes, 1st page

Was the final diagnosis given by Isabel:
Neonatal hemochromatosis – Yes, 1st page
Viral hepatitis – Yes, 1st page

Entire presentation cut and pasted into the Isabel query box:
Neonatal hemochromatosis - No
Neonatal giant cell hepatitis – Yes, click on Liver disorders heading

Isabel differential for extracted features:

<table>
<thead>
<tr>
<th>LIVER DISORDERS</th>
<th>Shock States</th>
<th>Infectious Diseases</th>
<th>Hematology</th>
<th>Neoplastic Diseases</th>
<th>Urologic Disorders</th>
<th>Endocrine System</th>
<th>Metabolic Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cholestasis</td>
<td>Neonatal Sepsis</td>
<td>CMV Infections</td>
<td>Hemochromatosis</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiologic Jaundice</td>
<td></td>
<td></td>
<td>Hemolytic Disease of the Newborn</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viral Hepatitis</td>
<td></td>
<td></td>
<td>Autoimmune Hemolytic Anemias</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biliary Atresia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portal Vein Thrombosis / Occlusion</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Neonatal Hemochromatosis