
Demographic: Male, 64 yrs, America North, General speciality

Clinical features extracted from the case and entered into the query box:
normocytic normochromic anemia
abdominal discomfort after eating
low serum level of high density lipoprotein cholesterol
decreased white cell count
decreased platelets

Synonyms used by Isabel for the above query:
None

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:
Lymphoplasmacytic Lymphoma with Waldenstrom’s Macroglobulinemia. Falsely low serum HDL cholesterol test result due to presence of the paraprotein.

Was the final diagnosis given by Isabel:
Yes, Isabel 1st page
**Differential Diagnoses of Anemia considered by the MGH panel:**
Nutritional Deficiencies: Iron Deficiency Anemia – Click on Hematology heading
Vitamin B12 Deficiency: 1st page
Folate Deficiency: Click on Nutritional Disorders heading
Anemia of Chronic Inflammation – Click on Hematology heading
Neoplasms – Myelodysplastic Syndromes, Myelomas, Solid tumors – 1st page
Multiple Myeloma – Click on Orthopedics heading
Waldenstoms Macroglobulinemia - No

**Entire presentation cut and pasted into the Isabel query box:**
Nutritional Deficiencies: Iron Deficiency Anemia – No
Vitamin B12 Deficiency - No
Folate Deficiency - No
Anemia of Chronic Inflammation – No
Neoplasms – Myelodysplastic Syndromes, Myelomas, Solid tumors – No
Multiple Myeloma – 1st page
Waldenstoms Macroglobulinemia – No

**Isabel differential for extracted features:**

**Isabel differential for anemia:**
<table>
<thead>
<tr>
<th>HEMATOLOGY</th>
<th>INFECTIOUS DISEASES</th>
<th>NEOPLASTIC DISEASES</th>
<th>ORTHOPEDIC DISEASES</th>
<th>RHEUMATIC DISEASES</th>
<th>NUTRITIONAL DISEASES</th>
<th>TOXICOLOGY</th>
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<td>Leukemia</td>
<td>Osteopetrosis</td>
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