Case 40 (December 28 2006): N Engl J Med 2006;355:2772-2779

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

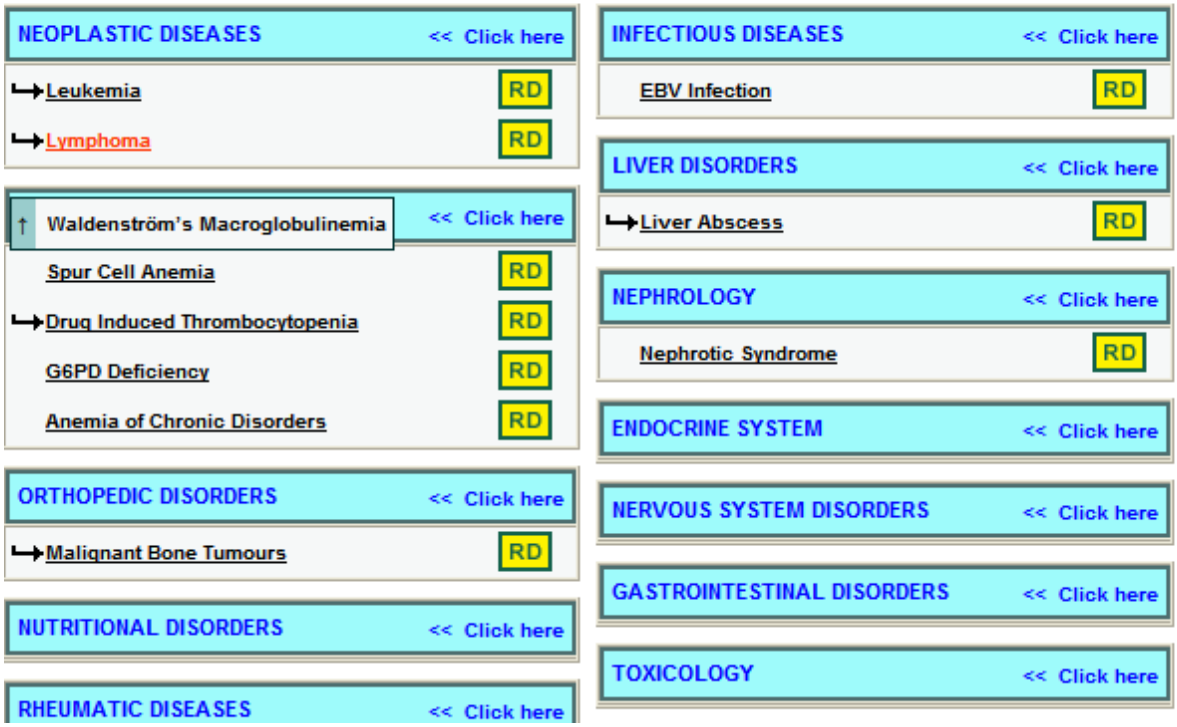
Final Diagnoses of the case according to NEJM:
Lymphoplasmacytic Lymphoma with Waldenstrom's Macroglobulinemia. Falsely low serum HDL cholesterol test result due to presence of the paraprotein.

Was the final diagnosis given by Isabel:
Yes, Isabel 1st page

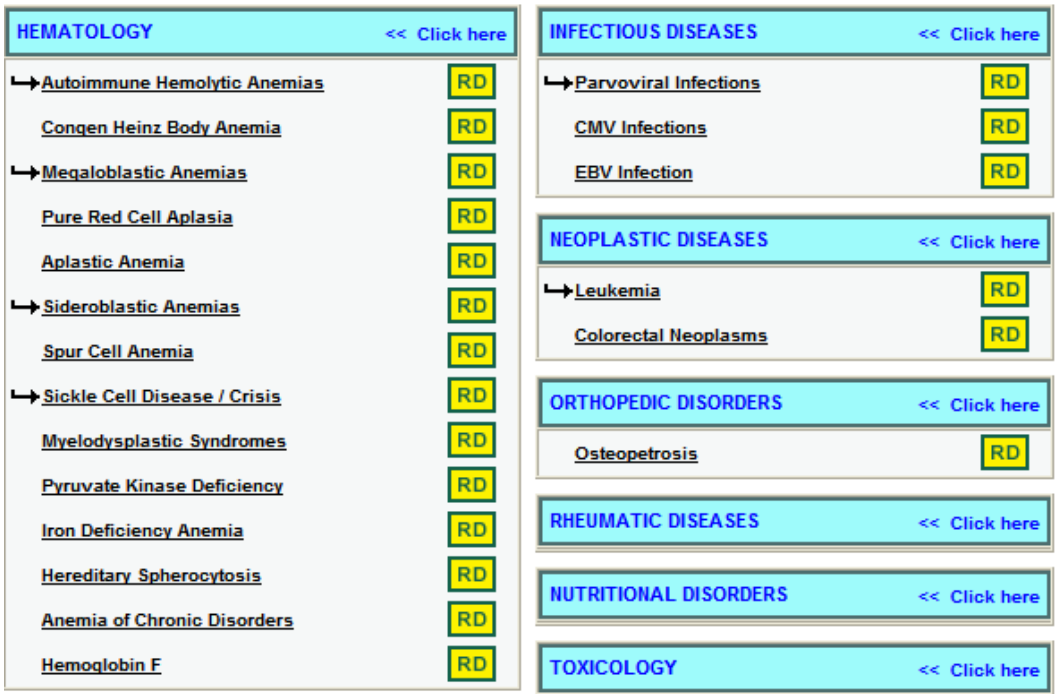
Differential Diagnoses of Anemia considered by the MGH panel:
Nutritional Deficiencies: Iron Deficiency Anemia – Click on Hematology heading
Vitamin B12 Deficiency: 1st page
Folate Deficiency: Click on Nutritional Disorders heading
Anemia of Chronic Inflammation – Click on Hematology heading
Neoplasms – 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:


HEMATOLOGY << Click here
Autoimmune Hemolytic Anemias RD
Congen Heinz Body Anemia RD
Megaloblastic Anemias RD
Pure Red Cell Aplasia RD
Aplastic Anemia RD
Sideroblastic Anemias RD
Spur Cell Anemia RD
Sickle Cell Disease / Crisis RD
Myelodysplastic Syndromes RD
Pyruvate Kinase Deficiency RD
Iron Deficiency Anemia RD
Hereditary Spherocytosis RD
Anemia of Chronic Disorders RD
Hemoglobin F RD
INFECTIOUS DISEASES << Click here
Parvoviral Infections RD
CMV Infections RD
EBV Infection RD
NEOPLASTIC DISEASES << Click here
Leukemia RD
Colorectal Neoplasms RD
ORTHOPEDIC DISORDERS << Click here
Osteopetrosis RD
RHEUMATIC DISEASES << Click here
NUTRITIONAL DISORDERS << Click here
TOXICOLOGY << Click here