

Case 37 (November 30 2006): [N Engl J Med 2006;355:2349-57](#)

Demographic: Female, 19yrs, Not pregnant, America North, General speciality

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

rectal bleeding
iron-deficiency anemia

Synonyms used by Isabel for the above query:

Iron-deficiency anemia

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:

Non-neoplastic Disorders

Inflammatory bowel disease - Ulcerative colitis and Crohn's disease,
Infectious diseases: Enterohemorrhagic organism - *Escherichia coli*, Salmonella, Shigella, or
Campylobacter
Meckel's diverticulum
Diverticular disease
Multiple gastrointestinal telangiectasias
Solitary rectal ulcer syndrome

Neoplasms

Benign and malignant neoplasms = include juvenile polyps, adenomatous polyps, and colorectal cancer.

Thyroid Cancer

Cowden's disease and familial adenomatous polyposis

Final Diagnoses of the case according to NEJM:

Familial adenomatous polyposis with associated thyroid cancer in the absence of an apparent hereditary basis.

Differential Diagnoses of the case as given by Isabel:

Familial adenomatous polyposis – Isabel 1st page

Meckel's diverticulum – Isabel 1st page

Inflammatory bowel disease – Isabel 1st page

Colorectal neoplasm – Isabel 1st page

Diverticular disease - click on Gastrointestinal disorders heading

Solitary rectal ulcer syndrome - click on Gastrointestinal disorders heading

Was the final diagnosis given by Isabel:

Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:

None of the above

Isabel differential:

<p>NEOPLASTIC DISEASES << Click here</p> <p>↳ Familial Polyposis Syndrome RD</p> <p>Colorectal Cancer RD</p>	<p>GASTROINTESTINAL DISORDERS << Click here</p> <p>Irritable Bowel Syndrome RD</p> <p>↳ Diverticula of the Small Intestine RD</p> <p>↳ Intestinal Ischemia Syndromes RD</p> <p>Duplications of the Gastrointestinal Tract RD</p> <p>↳ Inflammatory Bowel Disease RD</p>
<p>HEMATOLOGY << Click here</p> <p>Iron Deficiency Anemia RD</p>	
<p>GYNECOLOGICAL DISORDERS << Click here</p> <p>Endometriosis ♀ RD</p>	<p>DERMATOLOGY << Click here</p>
<p>INFECTIOUS DISEASES << Click here</p> <p>Gonococcal Infection RD</p>	<p>NUTRITIONAL DISORDERS << Click here</p>
<p>VASCULAR DISORDERS << Click here</p>	<p>TOXICOLOGY << Click here</p>
<p>NEPHROLOGY << Click here</p>	