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Case 26 (August 20 2009): [N Engl J Med. 361\(8\):737-833](#)

Demographic: Male, 34yrs, America North, General speciality

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

fever
abdominal pain
abdominal distension
persistent cough
dyspnea
decreased oxygen saturations
nausea
vomiting
hypotension
elevated white cell count

Synonyms used by Isabel PRO for the above query:

elevated white cell count
dyspnea
abdominal pain
persistent cough
hypotension
fever
abdominal distension
vomiting

STOP !

Before you read further you might want to construct your own:

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:

Inflammatory bowel disease
Salmonella infections



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Final Diagnosis of the case according to NEJM:

Pseudomembranous enterocolitis with septicemia

Differential Diagnoses of the case as given by Isabel PRO:

Inflammatory bowel disease – under Gastrointestinal disorders

Salmonella infections – under Infectious diseases

Was the final diagnosis given by Isabel PRO:

Yes, Pseudomembranous enterocolitis under Gastrointestinal disorders

Septicemia under Shock states

Isabel PRO Final Diagnosis:

Pseudomembranous enterocolitis:

The screenshot shows the Isabel PRO interface with two main panels. The left panel, titled 'ENTER CLINICAL FEATURES', includes dropdown menus for age (adult (30 - 40 years)), gender (male), pregnancy (- not specified -), region (America North), and speciality (General). Below these are text input fields for query terms: fever, abdominal pain, abdominal distension, persistent cough, dyspnea, decreased oxygen saturations, nausea, vomiting, hypotension, and elevated white cell count. A 'Get Checklist' button and a 'Search Again' button are also visible. The right panel, titled 'DEGREE OF MATCH', shows search results under '12 GASTROINTESTINAL DISORDERS'. The top result is 'Pseudomembranous / Drug-Induced Colitis' with a 48% match probability. A yellow callout box explains the match: 'We matched the terms: leukocytosis | sob | dib | abdominal pain | abdominal pains | fever | fevers | vomiting | nausea'. Below this, a list of '15 Body Systems' is shown, with 'GASTROINTESTINAL DISORDERS' highlighted.

Septicemia:

The screenshot shows the Isabel PRO interface with search results for 'Sepsis and Shock'. The top result is '1 SHOCK STATES' with a 28% match probability. A yellow callout box explains the match: 'We matched the terms: sob | dib | hypotension | fever | fevers | vomiting | oxygen | satur | saturations | nausea'. Below this, a list of '15 Body Systems' is shown, with 'SHOCK STATES' highlighted.

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