



www.isabelhealthcare.com

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



www.isabelhealthcare.com

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 at the bottom. The right panel, titled 'DEGREE OF MATCH', shows search results for '12 GASTROINTESTINAL DISORDERS'. A yellow box highlights the top result: 'Pseudomembranous / Drug-Induced Colitis' with a 48% match probability. Below this is a list of '15 Body Systems' including Infectious Diseases, Gastrointestinal Disorders, Respiratory Disorders, Endocrine Disorders, Liver Disorders, Rheumatic Diseases, Cardiac Disorders, Vascular Disorders, Allergic Disorders, Nervous System Disorders, Shock States, and Dermatology Disorders.

Septicemia:

The screenshot shows the Isabel PRO interface with search results for '1 SHOCK STATES'. A yellow box highlights the top result: 'Sepsis and Shock' with a 28% match probability. Below this is a list of '15 Body Systems' including Infectious Diseases, Gastrointestinal Disorders, Respiratory Disorders, Endocrine Disorders, Liver Disorders, Rheumatic Diseases, Cardiac Disorders, Vascular Disorders, Allergic Disorders, Nervous System Disorders, Shock States, and Dermatology Disorders.

Isabel Healthcare Inc

3120 Fairview Park Drive, Suite 200, Falls Church, VA 22042

Tel: +1.703.289.8855