



www.isabelhealthcare.com

Every Patient Tells A Story – Medical Mysteries and the Art of Diagnosis– Lisa Sanders

Chapter 4: The Language the Body Speaks Pages 58-64 – Gayle Delacroix

Demographic: Female, 58yrs, America North, General speciality

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

lower back pain
fever
chills
leg weakness
stomach ache
diarrhea
fasciculations

Synonyms used by Isabel PRO for the above query:

stomach ache
lower back pain
fever
diarrhea
rash
fasciculations
chills
weakness

STOP !

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

- Differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis considered by medical personnel involved in the patient's care
- The final diagnosis of the case
- Whether Isabel PRO suggested the final diagnosis



www.isabelhealthcare.com

Differential diagnoses considered by medical personnel:

- Lyme disease
- Food poisoning
- Rocky mountain spotted fever
- Eastern equine encephalitis
- Herpes simplex encephalitis
- Polio

Final diagnosis of the case:

West Nile Virus

Was the final diagnosis given by Isabel PRO:

Yes, West Nile Encephalitis – under Infectious diseases

Isabel PRO Final Diagnosis:

The screenshot displays the Isabel PRO interface, divided into two main sections: 'ENTER CLINICAL FEATURES' and 'DEGREE OF MATCH'.

ENTER CLINICAL FEATURES: This section includes dropdown menus for 'age' (adult (50 - 65 years)), 'gender' (female), 'pregnancy' (- not specified -), 'region' (America North), and 'speciality' (General). Below these is a text input area for 'ENTER QUERY TERMS ON SEPARATE LINES:' containing the following symptoms: lower back pain, fever, chills, leg weakness, stomach ache, diarrhea, rash, and fasciculations. There is a '+ Add a Clinical Feature' button and a 'Get Checklist »' button. At the bottom, there are 'Help' and 'Search Again' links, and a disclaimer: 'Isabel PRO is not meant to replace your clinical judgment.'

DEGREE OF MATCH: This section shows '56 DIAGNOSES- DEGREE OF MATCH'. The top results are:

- Sarcoidosis (with a question mark icon and 'RD' label)
- Arboviral Infections / Encephalitides (with a radio button and 'RD' label), which is expanded to show 'West Nile Encephalitis' (highlighted in green) and a '+ More' link.

A yellow box provides a summary: 'Why did this diagnosis come up ? We matched the terms: abdominal pain | abdominal pains | fever | febrile | fevers | diarrhea | rash | skin rash | weakness | chill'. Below this, it states: 'Degree of match between query entered and Isabel database (Not clinical probability): 51%'. The next result is 'Toxic Shock Syndrome' (with a question mark icon and 'RD' label).

At the bottom of the 'DEGREE OF MATCH' section, there is a '16 Body Systems' list:

- INFECTIOUS DISEASES
- RHEUMATIC DISEASES
- NEPHROLOGY DISORDERS
- NEUROMUSCULAR DISORDERS
- NERVOUS SYSTEM DISORDERS
- HEMATOLOGY DISORDERS
- GASTROINTESTINAL DISORDERS
- DERMATOLOGY DISORDERS
- CARDIAC DISORDERS
- RESPIRATORY DISORDERS
- TOXICOLOGY DISORDERS
- NEOPLASTIC DISEASES

Isabel Healthcare Inc

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

Tel: +1.703.289.8855