



www.isabelhealthcare.com

Case 9 (March 25 2010): [N Engl J Med. 362\(12\):1129-1138](#)

Demographic: Female, 37 yrs, America North, General speciality

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

intermittent paresthesias
slurred speech
ataxia
nausea
daily headaches
photophobia
phonophobia
dizziness
loss of balance
vomiting
facial droop
visual hallucinations

Synonyms used by Isabel PRO for the above query:

slurred speech
ataxia
daily headaches
photophobia
phonophobia
dizziness
loss of balance
vomiting

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

Isabel Healthcare Inc

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

Tel: +1.703.289.8855

Differential Diagnoses considered by the MGH panel:

Multiple sclerosis
Lyme disease

Final Diagnosis of the case according to NEJM:

Intravascular large B cell lymphoma

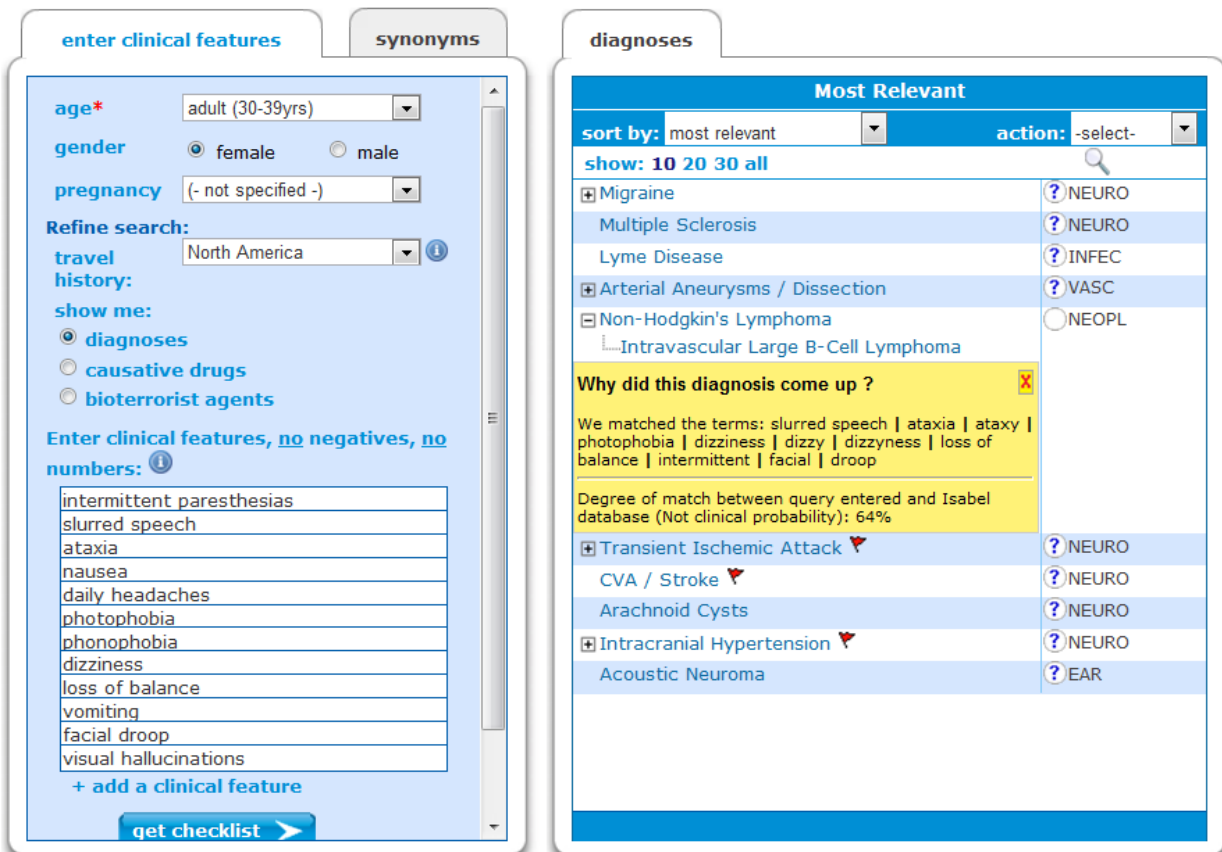
Differential Diagnoses of the case as given by Isabel:

Multiple sclerosis - Neurology
Lyme disease - Infectious diseases

Was the final diagnosis given by Isabel:

Yes, Intravascular large B cell lymphoma under Non-Hodgkin's lymphoma in Neoplastic diseases

Isabel Final Diagnosis:



The screenshot shows the Isabel healthcare interface. On the left, the 'enter clinical features' panel is active, showing a form with fields for age (adult 30-39yrs), gender (female selected), pregnancy (- not specified -), travel history (North America), and a list of clinical features including slurred speech, ataxia, nausea, daily headaches, photophobia, phonophobia, dizziness, loss of balance, vomiting, facial droop, and visual hallucinations. On the right, the 'diagnoses' panel is active, displaying a list of 'Most Relevant' diagnoses. The top diagnosis is Migraine, followed by Multiple Sclerosis, Lyme Disease, Arterial Aneurysms / Dissection, Non-Hodgkin's Lymphoma (with Intravascular Large B-Cell Lymphoma as a sub-diagnosis), Transient Ischemic Attack, CVA / Stroke, Arachnoid Cysts, Intracranial Hypertension, and Acoustic Neuroma. A yellow box highlights the match for Intravascular Large B-Cell Lymphoma, explaining the match based on terms like slurred speech, ataxia, and dizziness, with a 64% degree of match.