

Case 4 (February 8 2007): [N Engl J Med 2007;356:612-20](#)

Demographic: Female, 56yrs, Not Pregnant, America North, General speciality

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

dysarthria
dizziness
vertigo
nausea
vomiting
ataxia
oscillopsia
blurred vision
diplopia
nystagmus
tremor
dysphagia
memory and cognitive deficits
proximal leg weakness
dysmetria
dysdiadochokinesia

Synonyms used by Isabel for the above query:

dysarthria
dizziness
vertigo
vomiting
blurred vision
diplopia
dysphagia
dysmetria
ataxia

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:

Paraneoplastic Syndromes Affecting the Central Nervous System
Neoplasm - Breast cancer
Sarcoidosis

Final Diagnosis of the case according to NEJM:

Paraneoplastic syndrome with paraneoplastic cerebellar degeneration, probably associated with anti-Yo antibodies and a primary breast cancer.

Differential Diagnoses of the case as given by Isabel:

Paraneoplastic Neurologic Syndromes – Isabel 1st page

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>NERVOUS SYSTEM DISORDERS << Click here</p> <p>Multiple Sclerosis RD</p> <p>Paraneoplastic Neurologic Syndrome RD</p> <p>CVA / Stroke RD</p> <p>+ Ataxic Disorders RD</p> <p>+ Transient Ischemic Attack RD</p> <p>+ Migraine RD</p> <p>+ Intracranial Hypertension RD</p> <p>Intracranial Hemorrhage RD</p>	<p>NEUROMUSCULAR DISORDERS << Click here</p> <p>TOXICOLOGY << Click here</p> <p>+ Radioactive Isotopes RD</p> <p>INFECTIOUS DISEASES << Click here</p> <p>+ Botulism RD</p> <p>LIVER DISORDERS << Click here</p> <p>TRAUMA INJURIES << Click here</p>
<p>RHEUMATIC DISEASES << Click here</p>	
<p>NEOPLASTIC DISEASES << Click here</p>	
<p>GASTROINTESTINAL DISORDERS << Click here</p>	
<p>ENVIRONMENTAL HEALTH HAZARDS << Click here</p>	