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Case 11 (April 15 2010): [N Engl J Med. 362\(15\):1431-1437](#)

Demographic: Female, 69 yrs, America North

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

lethargy
confusion
apathy
social withdrawal
visual and tactile hallucinations
sadness
sixth nerve palsy
increased deep tendon reflexes
motor weakness

Synonyms used by Isabel PRO for the above query:

lethargy
confusion
apathy
decreased appetite
increased deep tendon reflexes

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 PRO contain
- Did Isabel PRO suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:

Wernicke's encephalopathy
Depression

Final Diagnosis of the case according to NEJM:

Progressive multifocal leukoencephaly

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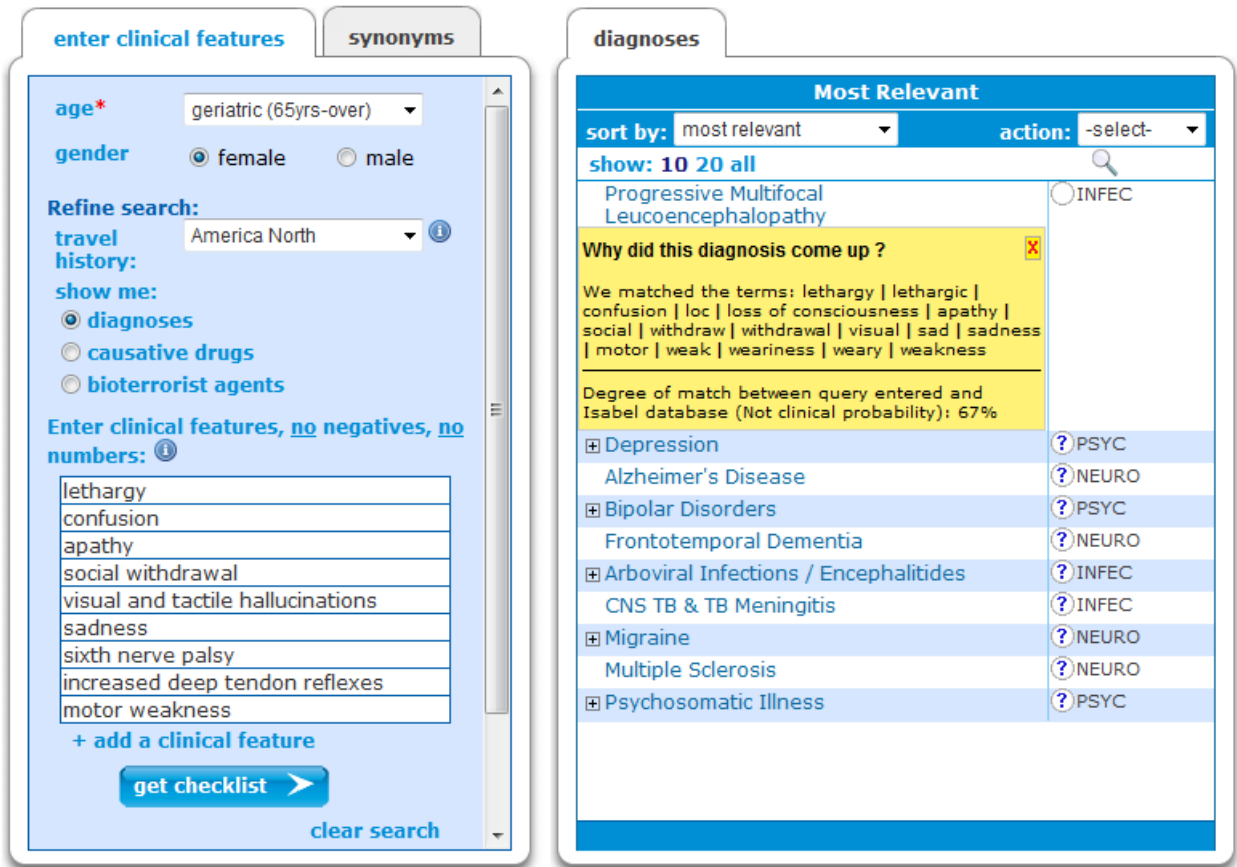
Differential Diagnoses of the case as given by Isabel PRO:

Wernicke's encephalopathy in Nutritional
 Depression in Psychological

Was the final diagnosis given by Isabel PRO:

Yes, Progressive multifocal leukoencephalopathy in Infectious

Isabel PRO Final Diagnosis:



The screenshot shows the Isabel PRO interface with two main panels: 'enter clinical features' and 'diagnoses'.

enter clinical features

- age*: geriatric (65yrs-over)
- gender: female male
- Refine search: travel history: America North
- show me: diagnoses, causative drugs, bioterrorist agents
- Enter clinical features, no negatives, no numbers:
- lethargy
- confusion
- apathy
- social withdrawal
- visual and tactile hallucinations
- sadness
- sixth nerve palsy
- increased deep tendon reflexes
- motor weakness
- + add a clinical feature
- get checklist
- clear search

diagnoses

Most Relevant

sort by: most relevant action: -select-

show: 10 20 all

Progressive Multifocal Leucoencephalopathy INFEC

Why did this diagnosis come up ?

We matched the terms: lethargy | lethargic | confusion | loc | loss of consciousness | apathy | social | withdraw | withdrawal | visual | sad | sadness | motor | weak | weariness | weary | weakness

Degree of match between query entered and Isabel database (Not clinical probability): 67%

Depression	? PSYC
Alzheimer's Disease	? NEURO
Bipolar Disorders	? PSYC
Frontotemporal Dementia	? NEURO
Arboviral Infections / Encephalitides	? INFEC
CNS TB & TB Meningitis	? INFEC
Migraine	? NEURO
Multiple Sclerosis	? NEURO
Psychosomatic Illness	? PSYC