

Case 15 (May 17 2012): [N Engl J Med. 366\(20\):1924-1934](#)

Demographic: Female, 48 years, North America

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

diplopia
headache
papilledema
sixth nerve palsy
intracranial hypertension
feet tingling
elevated ESR
low CSF glucose

Synonyms used by Isabel for the above query:

diplopia
headache
papilledema
sixth nerve palsy
intracranial hypertension
feet tingling
elevated ESR

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:

Hypertensive encephalopathy
TB meningitis
Fungal meningitis

Final Diagnosis of the case according to NEJM:

Neurocysticercosis

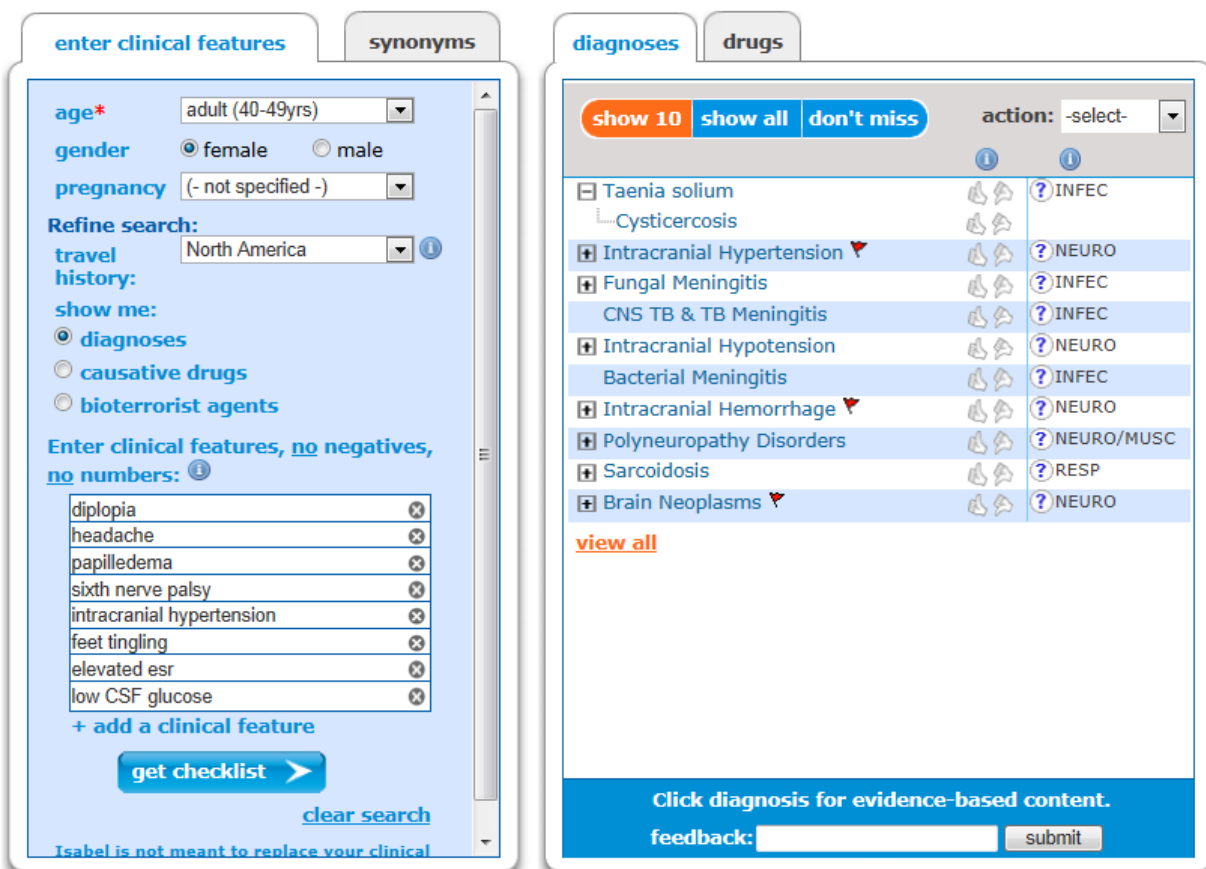
Differential Diagnoses of the case as given by Isabel:

Hypertensive encephalopathy in Neuro
 TB meningitis in Infectious
 Fungal meningitis in Infectious

Was the final diagnosis given by Isabel:

Yes, Cysticercosis under Taenia solium in Infectious

Isabel Checklist Differential:



The screenshot shows the Isabel Checklist Differential interface. On the left, the 'enter clinical features' tab is active, displaying search filters for age (adult 40-49yrs), gender (female), pregnancy (- not specified -), and travel history (North America). A list of clinical features includes diplopia, headache, papilledema, sixth nerve palsy, intracranial hypertension, feet tingling, elevated esr, and low CSF glucose. A 'get checklist' button is visible. On the right, the 'diagnoses' tab is active, showing a list of 10 differential diagnoses with their associated system categories. The diagnoses are: Taenia solium (Cysticercosis) - INFECC, Intracranial Hypertension - NEURO, Fungal Meningitis - INFECC, CNS TB & TB Meningitis - INFECC, Intracranial Hypotension - NEURO, Bacterial Meningitis - INFECC, Intracranial Hemorrhage - NEURO, Polyneuropathy Disorders - NEURO/MUSC, Sarcoidosis - RESP, and Brain Neoplasms - NEURO. A 'view all' link is present below the list. At the bottom, there is a feedback section with a 'submit' button.

Diagnosis	System Category
Taenia solium Cysticercosis	INFECC
Intracranial Hypertension	NEURO
Fungal Meningitis	INFECC
CNS TB & TB Meningitis	INFECC
Intracranial Hypotension	NEURO
Bacterial Meningitis	INFECC
Intracranial Hemorrhage	NEURO
Polyneuropathy Disorders	NEURO/MUSC
Sarcoidosis	RESP
Brain Neoplasms	NEURO