

**Case 5 (February 16 2012):** [N Engl J Med. 366\(7\):648-657](#)

**Demographic:** Male, 39 yrs, Carribean

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

HIV infection  
fever  
night sweats  
psychosis  
disorganized and guarded behaviour  
flat affect  
thought blocking  
nihilistic delusions  
attention deficit  
visuospatial task deficit  
elevated aspartate aminotransferase level  
non-productive cough

***Synonyms used by Isabel for the above query:***

HIV infection  
night sweats  
psychosis  
flat affect  
fever  
visuospatial task deficit  
elevated aspartate aminotransferase  
non-productive cough

**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:**

Schizophrenia  
Cytomegalovirus

**Final Diagnosis of the case according to NEJM:**

- (i) Disseminated tuberculosis
- (ii) HIV-associated dementia

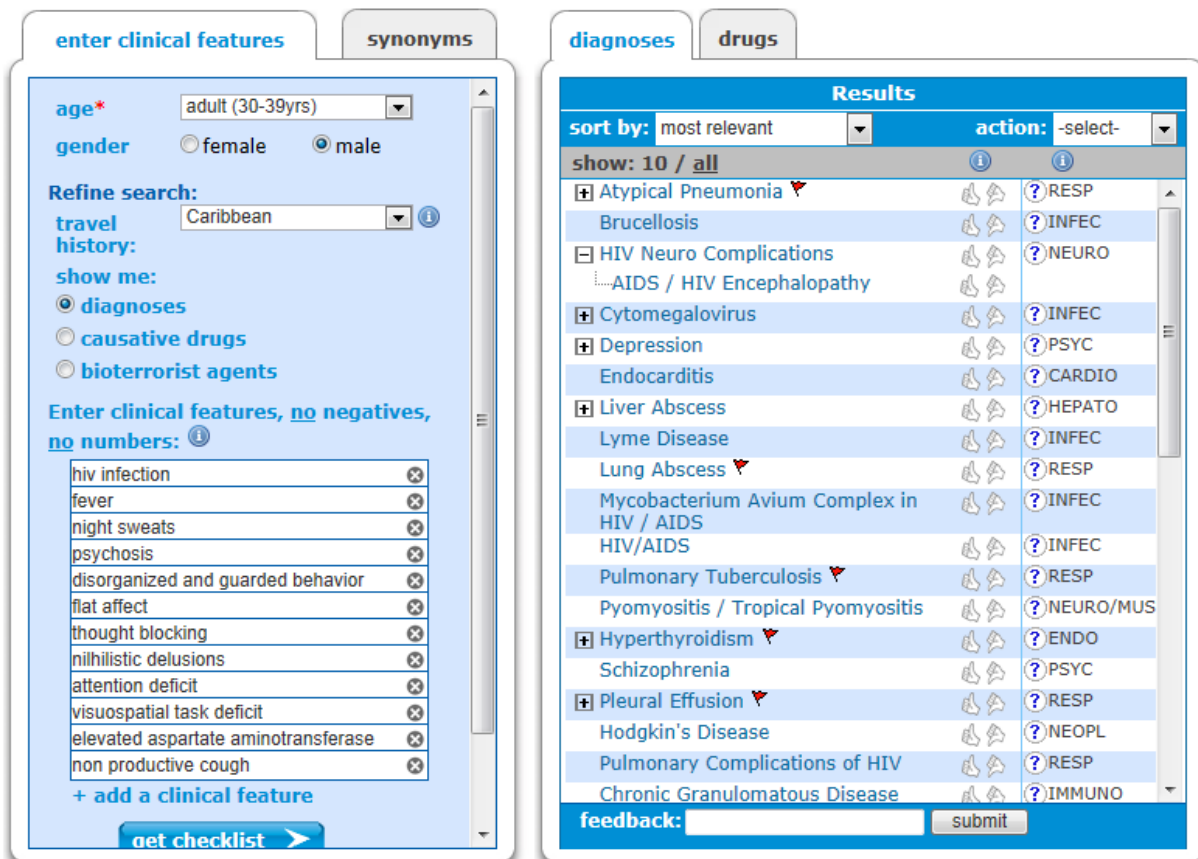
**Differential Diagnoses of the case as given by Isabel:**

Schizophrenia in Psychiatric  
Cytomegalovirus in Infectious

**Was the final diagnosis given by Isabel:**

Yes, (i) Disseminated tuberculosis in Infectious  
(ii) HIV-associated dementia under HIV neuro complications in Neuro

**Isabel Checklist Differential:**



The screenshot shows the Isabel Checklist Differential interface, divided into two main panels: 'enter clinical features' and 'diagnoses'.

**enter clinical features panel:**

- age\*:** adult (30-39yrs)
- gender:** female (radio button), male (radio button, selected)
- Refine search:**
  - travel history:** Caribbean
  - show me:**
    - diagnoses
    - causative drugs
    - bioterrorist agents
- Enter clinical features, no negatives, no numbers:**
  - hiv infection
  - fever
  - night sweats
  - psychosis
  - disorganized and guarded behavior
  - flat affect
  - thought blocking
  - nihilistic delusions
  - attention deficit
  - visuospatial task deficit
  - elevated aspartate aminotransferase
  - non productive cough
- + add a clinical feature**
- get checklist** (button)

**diagnoses panel:**

- Results** (header)
- sort by:** most relevant
- action:** -select-
- show:** 10 / all
- Diagnosis List:**

Diagnosis	Icons	Category
Atypical Pneumonia	👤👤👤	?RESP
Brucellosis	👤👤👤	?INFEC
HIV Neuro Complications	👤👤👤	?NEURO
AIDS / HIV Encephalopathy	👤👤👤	
Cytomegalovirus	👤👤👤	?INFEC
Depression	👤👤👤	?PSYC
Endocarditis	👤👤👤	?CARDIO
Liver Abscess	👤👤👤	?HEPATO
Lyme Disease	👤👤👤	?INFEC
Lung Abscess	👤👤👤	?RESP
Mycobacterium Avium Complex in HIV / AIDS	👤👤👤	?INFEC
HIV/AIDS	👤👤👤	?INFEC
Pulmonary Tuberculosis	👤👤👤	?RESP
Pyomyositis / Tropical Pyomyositis	👤👤👤	?NEURO/MUS
Hyperthyroidism	👤👤👤	?ENDO
Schizophrenia	👤👤👤	?PSYC
Pleural Effusion	👤👤👤	?RESP
Hodgkin's Disease	👤👤👤	?NEOPL
Pulmonary Complications of HIV	👤👤👤	?RESP
Chronic Granulomatous Disease	👤👤👤	?IMMUNO
- feedback:** (text input field)
- submit** (button)