



www.isabelhealthcare.com

Case 31 (October 11 2012): [N Engl J Med. 367\(15\):1450-1460](#)

Demographic: Male, 18 years, North America

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

blurred vision
dysarthria
ataxia
abrupt weakness
slurred speech
seizures

Synonyms used by Isabel for the above query:

blurred vision
dysarthria
ataxia
slurred speech
seizures

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:

Cerebellar abscess

Final Diagnosis of the case according to NEJM:

Acute ischemic stroke due to basilar-artery embolism. Patent foramen ovale.

Differential Diagnoses of the case as given by Isabel:

Intracranial abscess in Neuro

Was the final diagnosis given by Isabel:

Yes, Ischemic stroke under CVA / Stroke in Neuro

Isabel Checklist Differential:

enter clinical features | synonyms

age*

gender female male

Refine search:

travel history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers:

blurred vision	<input type="button" value="x"/>
dysarthria	<input type="button" value="x"/>
ataxia	<input type="button" value="x"/>
abrupt weakness	<input type="button" value="x"/>
slurred speech	<input type="button" value="x"/>
seizures	<input type="button" value="x"/>

+ add a clinical feature

[clear search](#)

Isabel is not meant to replace your clinical judgment.

diagnoses | drugs

action:

Intracranial Abscess	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
Cerebral Palsy	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
<input checked="" type="checkbox"/> Intracranial Hematoma	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
<input checked="" type="checkbox"/> CVA / Stroke	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
↳ Ischemic Stroke	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	
Why did this diagnosis come up ? <input type="button" value="x"/>		
We matched the terms: blurred vision vision blurry vision blurred slurred speech loss of coordination seizures seizure epilepsy weakness weak		
Degree of match between query entered and Isabel database (Not clinical probability): 63%		
Intracranial Hemorrhage	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
Paraneoplastic Neurologic Syndrome	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
<input checked="" type="checkbox"/> Environmental / Work Exposure	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? TOX
Toxoplasmosis	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? INFEC
<input checked="" type="checkbox"/> GM2 Gangliosidosis	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO
Multiple Sclerosis	<input type="button" value="thumbs up"/> <input type="button" value="thumbs down"/>	<input type="button" value="i"/> ? NEURO

[view all](#)

Click diagnosis for evidence-based content.

feedback: