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**Case 18 (June 14 2012):** [N Engl J Med. 366\(21\):2306-2313](#)

**Demographic:** Male, 35 years, North America

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

right sided neck pain  
dysphagia  
hoarseness  
teeth pain radiating to ear  
blurred vision  
unsteadiness  
difficulty moving tongue to the right  
right horner's syndrome

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

right sided neck pain  
dysphagia  
hoarseness  
blurred vision  
unsteadiness

**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:**

Transient ischemic attack

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

Villaret's syndrome (ipsilateral paralysis of the 9<sup>th</sup> through 12<sup>th</sup> cranial nerves and cervical sympathetic fibers) due to a carotid-artery dissection and an associated aneurysm.

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

Transient ischemic attack in Neuro

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

Yes, Carotid artery dissection under arterial aneurysms in Vascular

**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: ⓘ

right sided neck pain	✕
dysphagia	✕
hoarseness	✕
teeth pain radiating to ear	✕
blurred vision	✕
unsteadiness	✕
difficulty moving tongue to right	✕
right horner's syndrome	✕

+ add a clinical feature

**get checklist** ➔

[clear search](#)

Isabel is not meant to replace your clinical judgment.

**diagnoses**    drugs

show 10   show all   don't miss    action: -select-

Arterial Aneurysms / Dissection    ⓘ    ⓘ    VASC

    ↳ Carotid Artery Aneurysm / Dissection    ⓘ    ⓘ

**Why did this diagnosis come up ?** ⓘ

We matched the terms: neck pain | neck painful | neck pain problem | dysphagia | dysphagia to solids | difficulty swallowing | difficulty swallowing saliva | hoarseness | hoarseness of voice | hoarseness of the voice | hoarseness voice | hoarse | hoarse voice | vertigo | horner syndrome | horners | horners syndrome | horner | pain | pain in the neck | painful neck | painful cervical spine | pain over cervical spine | pain in neck | pain in cervical spine | pain neck | pains neck | pain cervical spine | syndrome | syndrom

Degree of match between query entered and Isabel database (Not clinical probability): 100%

<input checked="" type="checkbox"/> Aortic Aneurysm / Dissection	ⓘ	ⓘ	?	VASC
<input checked="" type="checkbox"/> Lung Neoplasms	ⓘ	ⓘ	?	RESP
<input checked="" type="checkbox"/> Transient Ischemic Attack	ⓘ	ⓘ	?	NEURO
Sjogren's Syndrome	ⓘ	ⓘ	?	RHEUM
Glossopharyngeal Neuralgia	ⓘ	ⓘ	?	NEURO
Chiari Malformation	ⓘ	ⓘ	?	NEURO
Sarcoidosis	ⓘ	ⓘ	?	RESP

**Click diagnosis for evidence-based content.**

feedback:     submit