
Demographic: Female, 37 yrs, Pregnancy not specified, America North, General speciality

Clinical features extracted from the case and entered into the query box:
- seizure
- vertigo
- nausea
- vomiting
- tinnitus
- diminished hearing
- ear fullness
- difficulty walking
- facial weakness
- fatigue
- agitation
- confusion
- ear pain
- headache
- hypertonia

Synonyms used by Isabel for the above query:
- ear pain
- fatigue
- seizure
- vertigo
- vomiting
- facial weakness
- headache
difficulty walking
tinnitus
- confusion
- agitation
- ear fullness
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:**
Lymphoma
Tuberculosis
Neuroborreliosis/Lyme Disease

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

**Differential Diagnoses of the case as given by Isabel:**
Lymphoma – under Brain Neoplasms in Nervous system disorders
Tuberculosis – under Infectious diseases heading
Neuroborreliosis/Lyme Disease – under Infectious diseases heading

**Was the final diagnosis given by Isabel:**
Yes, Neurosarcoidosis – under Sarcoidosis in Respiratory disorders heading
Isabel Differential:

- INFECTIOUS DISEASES
  - Bacterial Meningitis
  - Viral Meningoencephalitis
  - Tuberculosis
  - Herpes Zoster
  - Toxic Shock Syndrome
  - Arterial Infections / Endocarditis
  - Fungal Meningitis
  - Lyme Disease
  - Rocky Mountain Spotted Fever
  - Cryptococcus Neoforans
  - Brucellosis
  - Primary Amebic Meningoencephalitis

- NERVOUS SYSTEM DISORDERS
  - Migraine
  - Transient Ischemic Attack
  - Intracranial Hemorrhage
  - Headache
  - Multiple Sclerosis
  - Acute Disorders
  - Cerebral Sinus Venous Thrombosis
  - Central Nervous Malformations
  - Brain Neoplasms
  - Basal Syndrome

- RESPIRATORY DISORDERS
  - Acute Pneumonia
  - Lungs Neoplasms
  - Sarcoidosis

Why did this diagnosis come up?
We matched the terms: malaise | fatigue | seizures | seizures | nasal | fever | headache | headache | headache | headache

Degree of match between query entered and Isabel database (Not clinical probability): 45%

- Lethargy Syndrome
  - Neuroacanthocytosis