
**Demographic:** Female, 52 years, Not Pregnant, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
- fever
- confusion
- fatigue
- mastoid tenderness
- tongue numbness
- leg myalgias
- headache
- tachypneic
- sinus tachycardia
- seizure
- insect bites
- positive babinski sign

**Synonyms used by Isabel for the above query:**
- fatigue
- seizure
- sinus tachycardia
- fever
- headache
- confusion

**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:**
Bacterial Meningitis
Lyme Disease
Aseptic Meningitis
Herpes Simplex Virus
West Nile Virus

**Final Diagnosis of the case according to NEJM:**
Eastern Equine Encephalitis

**Differential Diagnoses of the case as given by Isabel:**
Bacterial Meningitis – under Infectious diseases heading
Lyme Disease – under Infectious diseases heading
Aseptic Meningitis – under Infectious diseases heading
Herpes Simplex Virus – under Infectious diseases heading
West Nile Virus – under Infectious diseases heading

**Was the final diagnosis given by Isabel:**
Yes, Eastern Equine Encephalitis under Viral Meningoencephalitis – under Infectious diseases heading
### Infectious Diseases

- Influenza and Parainfluenza Viruses
- Bacterial Meningitis
- Viral Meningoencephalitis

#### Why did this diagnosis come up?

We matched the terms: lethargy | tired | convulsions | seizures | seizure | st | sinus tachycardia | sign | fever | fevers | headache | headaches | confusion | bile | bites | babinski

Degree of match between query entered and Isabel database (Not clinical probability): 54%

- Aseptic Meningitis
- California / La Crosse Encephalitis
- Eastern Equine Encephalitis
- HSV Encephalitis
- Measles Encephalitis
- Mumps Meningitis / Encephalitis
- Varicella Encephalitis
- Vogt-Koyanagi-Harada Syndrome
- Western Equine Encephalitis
- Tuberculosis
- Meningococcal Disease
- Yersinia Infection
- Toxic Shock Syndrome
- Arboviral Infections / Encephalitides
  - Colorado Tick Fever
  - Oklahoma Tick Fever
  - Powassan Encephalitis
  - St Louis Encephalitis
  - West Nile Encephalitis
- Lyme Disease
- Rocky Mountain Spotted Fever
- Brucellosis

### Nervous System Disorders

- Cerebral Sinus Venous Thrombosis

### Neuromuscular Disorder

- Polynephropathy Disorders

### Toxicology

- Radioactive Isotopes

### Respiratory Disorders

### Cardiac Disorders

### Gynecological Disorders

### Immunologic System