
Demographic: Female, 24 yrs, Not pregnant, America North, General speciality

Clinical features extracted from the case and entered into the query box:
fever
seizures
weakness
brain lesion
slurred speech
intermittent numbness of tongue
joint pain
hemiparesis
headaches
loss of balance
altered mental status

Synonyms used by Isabel for the above query:
Altered mental status
Joint pain
Seizures
Fever
Slurred speech

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:**
SLE Activity
Progressive multifocal leukoencephalopathy
Primary CNS Lymphoma

**Final Diagnoses of the case according to NEJM:**
Granulomatous Amebic Encephalitis due to Acanthamoeba

**Differential Diagnoses of the case as given by Isabel:**
SLE Activity – Isabel 1st page
Progressive multifocal leukoencephalopathy – Isabel 1st page
Primary CNS Lymphoma – Isabel 1st page

**Was the final diagnosis given by Isabel:**
Yes, Isabel 1st page

**Entire presentation cut and pasted into the Isabel query box:**
Granulomatous Amebic Encephalitis due to Acanthamoeba - No
SLE Activity – Click on Rheumatic diseases heading
Progressive multifocal leukoencephalopathy – No
Primary CNS Lymphoma – No
Isabel differential for extracted features:

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<th>NERVOUS SYSTEM DISORDERS</th>
<th>INFECTIOUS DISEASES</th>
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<td>Brain Neoplasms</td>
<td>Toxoplasmosis</td>
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<tr>
<td>Multiple Sclerosis</td>
<td>Primary Amoebic</td>
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<tr>
<td>Syringomyelia</td>
<td>Meningoencephalitis</td>
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<tr>
<td>Progressive Multifocal</td>
<td>Arboviral Infections / Encephalides</td>
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<tr>
<td>Leucoencephalopathy</td>
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<tr>
<td>CVA / Stroke</td>
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<tr>
<th>IMMUNOLOGIC SYSTEM</th>
<th>RHEUMATIC DISEASES</th>
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<tbody>
<tr>
<td></td>
<td>SLE</td>
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<td>Malignant Atrophic Papulosis / Pego's Disease</td>
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<th>RESPIRATORY SYSTEM DISORDERS</th>
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<th>NEUROMUSCULAR DISORDERS</th>
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