
**Demographic:** Female, 26 years, Not Pregnant, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
diffuse headache
visual hallucinations
incoherent speech
tonic clonic seizure
febrile
elevated creatine kinase
diarrhea
agitated
autonomic disequilibrium
oromotor dyskinesias
dermoid cyst
somnolence

**Synonyms used by Isabel for the above query:**
elevated creatine kinase
diarrhoea
febrile
agitated
somnolence

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:**
Acute Limbic Encephalitis  
SLE  
Neuroleptic Malignant Syndrome

**Final Diagnosis of the case according to NEJM:**
Paraneoplastic Limbic Encephalitis

**Differential Diagnoses of the case as given by Isabel:**
**Was the final diagnosis given by Isabel:**
SLE – under Rheumatic diseases Heading  
Neuroleptic Malignant Syndrome – under Nervous system heading

**Was the final diagnosis given by Isabel:**
Yes, Limbic Encephalitis – under Infectious diseases heading
### Isabel Differential:

<table>
<thead>
<tr>
<th>INFECTIONAL DISEASES</th>
<th>NERVOUS SYSTEM DISORDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial Meningitis</td>
<td>Migraine</td>
</tr>
<tr>
<td>Viral Meningoencephalitis</td>
<td>Intracranial Abscess</td>
</tr>
<tr>
<td>Salmonella Infections</td>
<td>Multiple Sclerosis</td>
</tr>
<tr>
<td>Tuberculosis</td>
<td></td>
</tr>
<tr>
<td>Taenia solium</td>
<td></td>
</tr>
<tr>
<td>Toxic Shock Syndrome</td>
<td></td>
</tr>
<tr>
<td>Arboviral Infections / Encephalides</td>
<td></td>
</tr>
<tr>
<td>Fungal Meningitis</td>
<td></td>
</tr>
<tr>
<td>Amoebiasis</td>
<td></td>
</tr>
<tr>
<td>Limbic Encephalitis</td>
<td></td>
</tr>
</tbody>
</table>

**Why did this diagnosis come up?**

*We matched the terms: diffus | diffuse | seizure | seizure | autonomic | autonomic | dyskinesia | dyskinesias | dermoid | cyst*

**Degree of match between query entered and Isabel database (Not clinical probability):** 49%

<table>
<thead>
<tr>
<th>PRIMARY AMEBOIC Meningoencephalitis</th>
<th>RD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typhemia</td>
<td>RD</td>
</tr>
<tr>
<td>Psittacosis</td>
<td>RD</td>
</tr>
<tr>
<td>Tetanus</td>
<td>RD</td>
</tr>
<tr>
<td>Bartonella Infection</td>
<td>RD</td>
</tr>
</tbody>
</table>

**TOXICOLOGY**

| Radioactive isotopes | RD |

**NEPHROLOGY**

| Renal Failure | RD |

**RESPIRATORY DISORDERS**

| GASTROINTESTINAL DISORDERS | RD |

**LIVER DISORDERS**

| TRAUMA INJURIES | RD |

**METABOLIC DISORDERS**

| Acute Porphyria | RD |

**PSYCHOLOGIC DISORDERS**

**RHEUMATIC DISORDERS**

**OPHTHALMOLOGY**

**ENVIRONMENTAL HEALTH**