
**Demographic:** Male, 59 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
- fever
- thrombocytopenia
- progressive multiple cranial-nerve palsies
- motor weakness
- hyperreflexia
- respiratory failure
- lymphocytic pleocytosis
- neck stiffness and pain
- back pain
- ptosis
- diplopia
- dysmetria
- unsteady gait
- dyspnea
- dysarthria
- diminished gag reflex
- Babinski reflex positive

**Synonyms used by Isabel for the above query:**
- Fever
- Thrombocytopenia
- Respiratory failure
- Back pain
- Ptosis
- Diplopia
- Unsteady gait
- Dyspnea
- Dysarthria
- Dysmetria
- Babinski reflex positive
- Hyperreflexia
- Lymphocytic pleocytosis
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:**
Neuroborreliosis or Lyme disease
Leptomeningeal metastases
Lymphoma

**Final Diagnosis of the case according to NEJM:**
Neuroborreliosis / Lyme Disease

**Differential Diagnoses of the case as given by Isabel:**
Lyme disease – Isabel 1st page
Leptomeningeal metastases / Carcinomatous Meningitis – click on Neoplastic diseases heading

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

**Entire presentation cut and pasted into the Isabel query box:**
Lyme disease – click on Infectious diseases heading
Isabel differential:

<table>
<thead>
<tr>
<th>NERVOUS SYSTEM DISORDERS</th>
<th>NEUROMUSCULAR DISORDERS</th>
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</thead>
<tbody>
<tr>
<td>Cerebral Sinus Venous Thrombosis</td>
<td>Myasthenia Gravis</td>
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<tr>
<td>CVA / Stroke</td>
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<tr>
<td>Multiple Sclerosis</td>
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<tr>
<td>Cervical Spondylosis</td>
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<tr>
<td>Atlantoaxial Instability</td>
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<tr>
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<tbody>
<tr>
<td>Botulism</td>
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<tr>
<td>Lyme Disease</td>
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<td>Brucellosis</td>
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