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

Clinical features extracted from the case and entered into the query box:
fever
erythema, pain and swelling of eyes and ear
headache
neck pain
sinus pressure and congestion
horizontal diplopia
chemosis
weight loss
anemia
elevated ESR

Synonyms used by Isabel for the above query:
Fever
Headache
Neck pain
Weight loss
Anemia
Elevated ESR
Chemosis

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:**
- Sinusitis
- Orbital cellulitis
- Cerebral Sinus Venous Thrombosis
- Sarcoidosis
- Wegener's granulomatosis
- Polychondritis

**Final Diagnosis of the case according to NEJM:**
Relapsing polychondritis

**Differential Diagnoses of the case as given by Isabel:**
- Relapsing polychondritis – Isabel 1st page
- Sinusitis – Isabel 1st page
- Orbital Cellulitis – Isabel 1st page
- Cerebral Sinus Venous Thrombosis – Isabel 1st page
- Sarcoidosis – Isabel 1st page
- Wegener's granulomatosis – click on Rheumatic diseases heading

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

**Entire presentation cut and pasted into the Isabel query box:**
- Sinusitis– click on Respiratory systems disorder heading
- Sarcoidosis– click on Respiratory systems disorder heading
- Relapsing polychondritis– click on Rheumatic diseases heading
- Wegener's granulomatosis – click on Rheumatic diseases heading
**Isabel differential:**

<table>
<thead>
<tr>
<th>RESPIRATORY SYSTEM DISORDERS</th>
<th>NERVOUS SYSTEM DISORDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarcoidosis</td>
<td>Cerebral Sinus Venous Thrombosis</td>
</tr>
<tr>
<td>Sinusitis</td>
<td>Cardiovascular Neoplasms</td>
</tr>
<tr>
<td>Lung Neoplasms</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENDOCRINE SYSTEM</th>
<th>RHEUMATIC DISEASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyperthyroidism</td>
<td>Relapsing Polyarthritis</td>
</tr>
</tbody>
</table>

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<tr>
<th>OPHTHALMOLOGY</th>
<th>NEOPLASTIC DISEASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strabismus Disorders</td>
<td>Tumors of the Eye</td>
</tr>
<tr>
<td>Orbital Cellulitis</td>
<td></td>
</tr>
<tr>
<td>Neoplasms of the Eye</td>
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<thead>
<tr>
<th>INFECTIOUS DISEASES</th>
<th>GASTROINTESTINAL DISORDERS</th>
</tr>
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</table>

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