

**Case 36 (November 20 2008):** [N Engl J Med. 359\(21\):2267-2278](#)

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

***Clinical features extracted from the case and entered into the query box:***

chronic daily headache  
myalgia  
muscle spasms  
weakness  
fatigue  
difficulty sleeping  
anxiety  
daily fevers  
night sweats  
dry mouth at night  
polydipsia  
polyuria  
jaw claudication  
pitting edema of legs  
nausea

***Synonyms used by Isabel for the above query:***

chronic daily headache  
difficulty sleeping  
fatigue  
jaw claudication  
myalgia  
night sweats  
polydipsia  
muscle spasms  
dry mouth at night  
fevers  
anxiety  
polyuria

**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:***

Wegener's Granulomatosis  
Sjogren's Syndrome

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

Giant Cell Arteritis

***Differential Diagnoses of the case as given by Isabel:***

Wegener's Granulomatosis – under Rheumatic diseases heading  
Sjogren's Syndrome – under Rheumatic diseases heading

***Was the final diagnosis given by Isabel:***

Yes, Giant Cell Arteritis – under Rheumatic diseases heading

**Isabel Healthcare Inc**

3120 Fairview Park Drive, Suite 200, Falls Church, VA 22042  
Tel: +1.703.289.8855

**Isabel Differential:**

<p><b>+ INFECTIOUS DISEASES</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Influenza and Parainfluenza Viruses</a> ? RD</p>	<p><b>+ ENDOCRINE SYSTEM</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Diabetic Ketoacidosis</a> ? RD</p>
<p><b>+ CARDIAC DISORDERS</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Ischemic Heart Disease</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Endocarditis</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Heart Failure / CHF</a> ? RD</p>	<p><b>+ NEPHROLOGY</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Renal Failure</a> ? RD</p>
<p><b>+ RESPIRATORY DISORDERS</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Atypical Pneumonia</a> ? RD</p>	<p><b>+ NERVOUS SYSTEM DISORDERS</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Diabetic Neuropathy</a> ? RD</p>
<p><b>+ NEOPLASTIC DISEASES</b> &lt;&lt; click to expand</p> <p><input type="checkbox"/> <a href="#">Hodgkin's Disease</a> ? RD</p>	<p><b>NUTRITIONAL DISORDERS</b></p> <p><input type="checkbox"/> <a href="#">Vit C Deficiency</a> ? RD</p>
<p><b>- RHEUMATIC DISEASES</b> &gt;&gt; click to collapse</p> <p><input type="checkbox"/> <a href="#">SLE</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Giant Cell Arteritis</a> ? RD</p> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin: 5px 0;"> <p><b>Why did this diagnosis come up ?</b> <span style="float: right;">✕</span></p> <p><b>We matched the terms:</b> malaise   fatigue   muscle ache   muscle aches   daili   daily   fever   fevers   night   jaw   claudic   claudication</p> <hr/> <p><b>Degree of match between query entered and isabel database (Not clinical probability):</b> 41%</p> </div> <p><input type="checkbox"/> <a href="#">Wegener's Granulomatosis</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Systemic Sclerosis</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Sjogren's Syndrome</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Antiphospholipid Syndrome</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Cryoglobulinemia</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Fibromyalgia</a> ? RD</p> <p><input type="checkbox"/> <a href="#">Relapsing Polychondritis</a> ? RD</p>	<p><b>+ TOXICOLOGY</b> &lt;&lt; click to expand</p> <p><b>+ OPHTHALMOLOGY</b> &lt;&lt; click to expand</p> <p><b>+ ENVIRONMENTAL HEALTH HAZARDS</b> &lt;&lt; click to expand</p> <p><b>+ IATROGENIC DISORDERS</b> &lt;&lt; click to expand</p>
<p><b>+ DERMATOLOGY</b> &lt;&lt; click to expand</p>	
<p><b>+ ALLERGIC DISORDERS</b> &lt;&lt; click to expand</p>	