

**Case 17 (May 28 2009):** [N Engl J Med. 360\(22\):2341-2351](#)

**Demographic:** Male, 30yrs, America North, General speciality

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

***box:***

fever  
fatigue  
oral and genital ulcers  
intermittent headaches  
word finding difficulty  
tonic clonic seizure  
right hemiparesis  
hypokinesia  
spastic gait

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

spastic gait  
fatigue  
seizure  
word finding difficulty  
fever  
headache  
hemiparesis

**STOP !**

**Before you read further you might want to construct your own:**

- Final diagnosis

**In the following section you will find:**

- The final diagnosis of the case
- Did Isabel suggest the Final diagnosis

**Differential Diagnoses considered by the MGH panel:**

Herpes simplex virus infection  
Tuberculosis  
Multiple sclerosis  
SLE  
Sarcoidosis

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

Neuro-Behçet's disease

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

Herpes simplex virus infection – under Infectious diseases  
Tuberculosis – under Infectious diseases  
Multiple sclerosis – under Nervous system  
SLE – under Rheumatic diseases  
Sarcoidosis – under Respiratory disorders

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

Yes, Behçet's disease under Rheumatic diseases

**Isabel Differential:**

<p><b>+ INFECTIOUS DISEASES</b> &lt;&lt; click to expand</p> <ul style="list-style-type: none"> <li><a href="#">Bacterial Meningitis</a> ? RD</li> <li><a href="#">Viral Meningoencephalitis</a> ? RD</li> <li><a href="#">Tuberculosis</a> ? RD</li> </ul>	<p><b>+ NERVOUS SYSTEM DISORDERS</b> &lt;&lt; click to expand</p> <ul style="list-style-type: none"> <li><a href="#">Intracranial Abscess</a> ? RD</li> <li><a href="#">Epilepsy &amp; Seizure Disorders</a> ? RD</li> <li><a href="#">Multiple Sclerosis</a> ? RD</li> <li><a href="#">Cerebral Sinus Venous Thrombosis</a> ? RD</li> </ul>
<p><b>+ DERMATOLOGY DISORDERS</b> &lt;&lt; click to expand</p> <ul style="list-style-type: none"> <li><a href="#">Steven-Johnson Syndrome</a> ? RD</li> <li><a href="#">Toxic Epidermal Necrolysis</a> ? RD</li> </ul>	<p><b>METABOLIC DISEASES</b></p> <ul style="list-style-type: none"> <li><a href="#">Acute Porphyrria</a> ? RD</li> </ul>
<p><b>- RHEUMATIC DISEASES</b> &gt;&gt; click to collapse</p> <ul style="list-style-type: none"> <li><a href="#">SLE</a> ? RD</li> <li><a href="#">Lymphomatoid Granulomatosis</a> ? RD</li> <li><a href="#">Behcet's Syndrome</a> ○ RD</li> </ul> <div style="border: 1px solid black; background-color: #ffffcc; padding: 5px; margin: 5px 0;"> <p><b>Why did this diagnosis come up ?</b></p> <p>We matched the terms: malaise   fever   fevers   oral   genit   genital   ulcer   ulcers</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 34%</p> </div> <ul style="list-style-type: none"> <li><a href="#">Aortic Arch Syndrome</a> ? RD</li> <li><a href="#">Relapsing Polychondritis</a> ? RD</li> <li><a href="#">Microscopic Polyangiitis</a> ? RD</li> </ul>	<p><b>+ RESPIRATORY DISORDERS</b> &lt;&lt; click to expand</p> <p><b>+ UROLOGIC DISORDERS</b> &lt;&lt; click to expand</p> <p><b>+ CARDIAC DISORDERS</b> &lt;&lt; click to expand</p> <p><b>+ GENETIC DISORDERS</b> &lt;&lt; click to expand</p> <p><b>+ LIVER DISORDERS</b> &lt;&lt; click to expand</p>
<p><b>+ NEOPLASTIC DISEASES</b> &lt;&lt; click to expand</p>	
<p><b>+ HEMATOLOGY DISORDERS</b> &lt;&lt; click to expand</p>	
<p><b>+ GASTROINTESTINAL DISORDERS</b> &lt;&lt; click to expand</p>	
<p><b>+ ENVIRONMENTAL HEALTH DISORDERS</b> &lt;&lt; click to expand</p>	