

**Case 36 (November 22 2007):** [N Engl J Med. 357\(21\):2167-2178](#)

**Demographic:** Female, 31 yrs, Not pregnant, America North, General speciality

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

facial swelling  
fever  
hypotension  
fatigue  
periorbital erythema  
conjunctival discharge  
raised erythematous pruritic rash  
cervical lymphadenopathy  
blurred vision  
pelvic pain  
dysuria  
lightheadedness  
chest tightness  
ST segment elevation on ECG

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

Blurred vision  
Hypotension  
Fatigue  
Fever  
Dysuria  
Lightedheadedness  
Facial swelling  
Pelvic pain  
Cervical lymphadenopathy

**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:***

Fulminant viral myocarditis  
Idiopathic giant-cell myocarditis  
Acute necrotizing eosinophilic myocarditis

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

Acute necrotizing eosinophilic myocarditis due to a hypersensitivity reaction.

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

Acute necrotizing eosinophilic myocarditis – under Myocarditis in Cardiac Disorders

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

Yes, under Myocarditis in Cardiac Disorders

***Isabel Differential:***



# isabel

knowledge.diagnosis.treatment

www.isabelhealthcare.com

<b>INFECTIOUS DISEASES</b> << click to expand <input type="checkbox"/> <a href="#">Viral Meningoencephalitis</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/> <input type="checkbox"/> <a href="#">Toxic Shock Syndrome</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/> <input type="checkbox"/> <a href="#">Lyme Disease</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>RESPIRATORY SYSTEM DISORDERS</b> << click to expand <input type="checkbox"/> <a href="#">Lung Neoplasms</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/> <input type="checkbox"/> <a href="#">Pulmonary Thromboembolism</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>GASTROINTESTINAL DISORDERS</b> <input type="checkbox"/> <a href="#">Food Poisoning</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>RHEUMATIC DISEASES</b> << click to expand <input type="checkbox"/> <a href="#">SLE</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>VASCULAR DISORDERS</b> <input type="checkbox"/> <a href="#">Aortic Aneurysm / Dissection</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>HEMATOLOGY</b> <input type="checkbox"/> <a href="#">Iron Deficiency Anemia</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>CARDIAC DISORDERS</b> << click to expand <input type="checkbox"/> <a href="#">Ischemic Heart Disease</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/> <input type="checkbox"/> <a href="#">Myocarditis</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/> <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; margin-top: 5px;"> <p><b>Why did this diagnosis come up ?</b> <input type="button" value="x"/></p> <p><b>We matched the terms:</b> hypotension   malaise   fatigue   faint   fever   fevers   rash   chest   elev   elevation   ecg</p> <ul style="list-style-type: none"> <li><a href="#">Acute Necrotizing Eosinophilic Myocarditis</a></li> <li><a href="#">Coxsackievirus Myocarditis</a></li> <li><a href="#">Giant Cell Myocarditis</a></li> <li><a href="#">Nonviral Causes of Myocarditis</a></li> <li><a href="#">Post Viral Myocarditis</a></li> </ul> </div>	<b>NEUROMUSCULAR DISORDERS</b> <input type="checkbox"/> <a href="#">Dermatomyositis / Polymyositis</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>NEOPLASTIC DISEASES</b> << click to expand <input type="checkbox"/> <a href="#">Carcinoid Syndrome</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>NEPHROLOGY</b> << click to expand <input type="checkbox"/> <a href="#">Renal Failure</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>DERMATOLOGY</b> << click to expand <input type="checkbox"/> <a href="#">Dermatophyte Infections</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>ALLERGIC DISORDERS</b> << click to expand <input type="checkbox"/> <a href="#">Anaphylaxis</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>GYNECOLOGICAL DISORDERS</b> <input type="checkbox"/> <a href="#">Pelvic Inflammatory Disease</a> <input type="button" value="♀"/> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>NUTRITIONAL DISORDERS</b> <input type="checkbox"/> <a href="#">Vit C Deficiency</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>OPHTHALMOLOGY</b> <input type="checkbox"/> <a href="#">Conjunctivitis Disorders</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	<b>TOXICOLOGY</b> << click to expand <input type="checkbox"/> <a href="#">Substance Abuse</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>
<b>IMMUNOLOGIC SYSTEM</b> <input type="checkbox"/> <a href="#">Eosinophilia-Myalgia Syndrome</a> <input type="button" value="?"/> <input type="button" value="Related Dx"/>	