

**Case 14 (May 10 2007):** [356\(17\):1760-1769](#)

**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:***

polychondritis

Relapsing

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

Relapsing polychondritis – Isabel 1<sup>st</sup> page  
Sinusitis – Isabel 1<sup>st</sup> page  
Orbital Cellulitis – Isabel 1<sup>st</sup> page  
Cerebral Sinus Venous Thrombosis – Isabel 1<sup>st</sup> page  
Sarcoidosis – Isabel 1<sup>st</sup> page  
Wegener's granulomatosis – click on Rheumatic diseases heading

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

Yes, Isabel 1<sup>st</sup> 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:**

**RESPIRATORY SYSTEM DISORDERS** << [Click here](#)

- [Sarcoidosis](#) **RD**
- + [Sinusitis](#) **RD**
- + [Lung Neoplasms](#) **RD**

**ENDOCRINE SYSTEM** << [Click here](#)

- + [Hyperthyroidism](#) **RD**

**OPHTHALMOLOGY** << [Click here](#)

- + [Strabismus Disorders](#) **RD**
- [Orbital Cellulitis](#) **RD**
- + [Neoplasms of the Eye](#) **RD**

**INFECTIOUS DISEASES** << [Click here](#)

**GASTROINTESTINAL DISORDERS** << [Click here](#)

**NERVOUS SYSTEM DISORDERS** << [Click here](#)

- + [Cerebral Sinus Venous Thrombosis](#) **RD**

**CARDIAC DISORDERS** << [Click here](#)

- + [Cardiac Neoplasms](#) **RD**

**RHEUMATIC DISEASES** << [Click here](#)

- [Relapsing Polychondritis](#) **RD**

**NEOPLASTIC DISEASES** << [Click here](#)

**DERMATOLOGY** << [Click here](#)