
**Demographic:** Male, 68 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
- immunosuppressed
- persistent anorexia
- fatigue
- headaches
- scalp tenderness
- jaw claudication
- elevated CRP
- blurred vision
- hypertension
- hypertropia
- nystagmus
- facial nerve palsy
- unilateral vision loss

**Synonyms used by Isabel for the above query:**
- blurred vision
- hypertension
- fatigue
- facial nerve palsy
- headaches
- nystagmus

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:**
Giant Cell Arteritis
Anterior Ischemic Optic Neuropathy
Cryptococcal Infection
Aspergillus Infection

**Final Diagnosis of the case according to NEJM:**
Ischemic Optic Neuropathy resulting from Aspergillus Infection mimicking Giant Cell Arteritis

**Differential Diagnoses of the case as given by Isabel:**
Giant Cell Arteritis – under Rheumatic diseases heading
Anterior Ischemic Optic Neuropathy – under Ophthalmology heading
Cryptococcal Infection – under Infectious diseases heading
Aspergillus Infection – under Infectious diseases heading

**Was the final diagnosis given by Isabel:**
Yes, Ischemic Optic Neuropathy – under Ophthalmology heading
Aspergillus Infection – Under Infectious diseases heading
Giant Cell Arteritis – Under Rheumatic diseases heading
### Isabel Differential:

#### Infectious Diseases
- TUBERCULOSIS
- Fungal Meningitis
- Lyme Disease
- Rocky Mountain Spotted Fever
- CMV Infections
- Encephalitis
- Cryptococcus Neoforans
- Aspergillosis

**Why did this diagnosis come up?**
We matched the terms: fever | malaise | headache | headaches | immunosuppress | immunosuppressed | vision | loss

Degree of match between query entered and Isabel database (Not clinical probability): 62%

- Mumps Infection
- Toxoplasmosis
- Microsporidiosis
- Sarcoidosis
- Bartonella Infection

#### Rheumatic Diseases
- SLE
- Henoch-Schonlein Purpura
- Giant Cell Arteritis

**Why did this diagnosis come up?**
We matched the terms: fever | malaise | headache | headaches | scalp | tender | tenderness | jaw | classic | claudication | vision | loss

Degree of match between query entered and Isabel database (Not clinical probability): 61%

- Systemic Sclerosis
- Antiphospholipid Syndrome
- Arterial Occlusive Disease
- Relapsing Polychondritis
- Amyloidosis

#### Ophthalmology
- Ischemic Optic Neuropathy

**Why did this diagnosis come up?**
We matched the terms: fever | malaise | headache | headaches | scalp | tender | tenderness | jaw | classic | claudication | unilateral | vision | loss

Degree of match between query entered and Isabel database (Not clinical probability): 80%

- Acute Visual Loss

#### Cardiac Disorders
- Hypertension Disorders
- Hyperkinesia Disorders

#### Nephrology
- Hypertension Disorders

#### Hematology
- Hematologic Disorders

#### Trauma Injuries
- Acute Trauma Disorders

#### Environmental Health Hazards