
Demographic: Male, 39 yrs, America North, General speciality

Clinical features extracted from the case and entered into the query box:
- chest pain
- arthralgias
- morning stiffness
- mediastinal mass
- hematuria
- fatigue
- axillary lymphadenopathy
- shortness of breath
- oropharyngeal erythema
- night sweats
- peripheral neuropathy
- myalgias
- anemia
- thrombocytosis
- elevated ESR
- positive ANCA test

Synonyms used by Isabel for the above query:
- Chest pain
- Arthralgias
- Morning stiffness
- Mediastinal mass
- Hematuria
- Fatigue
- Shortness of breath
- Night sweats
- Peripheral neuropathy
- Myalgias
- Anemia
- Thrombocytosis
- Elevated ESR
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
Sarcoidosis
Lung neoplasms
Arthritis
Tuberculosis
SLE

Final Diagnosis of the case according to NEJM:
Wegener's granulomatosis

Differential Diagnoses of the case as given by Isabel:
Wegener's granulomatosis - under Rheumatic diseases heading
Sarcoidosis – under Respiratory disorders heading
Lung neoplasms - under Respiratory disorders heading
Arthritis - under Rheumatic diseases heading
Tuberculosis – under Infectious diseases heading
SLE - under Rheumatic diseases heading

Was the final diagnosis given by Isabel:
Yes, under Rheumatic diseases heading
Isabel Differential:

### RHEUMATIC DISEASES
- SLE
  - Henoch-Schönlein Purpura
  - Giant Cell Arteritis
  - Wegener's Granulomatosis

**Why did this diagnosis come up?**
We matched the terms: chest pain | elevated esr | hematuria | malaise | fatigue | myalgia | muscle pain | myalgias | muscle pains | night sweats | sob | shortness of breath | dyspnea | dlb | arthralgias | joint pains | arthralgia | joint pain | pos | positive anca test

Degree of match between query entered and Isabel database (Not clinical probability): 64%

### INFECTIOUS DISEASES
- EBV Infection
- Tuberculosis
- Yersinia Infection
- Toxic Shock Syndrome
- Lyme Disease

### NEOPLASTIC DISEASES
- Non-Hodgkin's Lymphoma
- Hodgkin's Disease

### CARDIAC DISORDERS

### ENDOCRINE SYSTEM

### TOXICOLOGY

### RESPIRATORY DISORDERS
- Atypical Pneumonia
- Lung Neoplasms
- Pulmonary TB
- Sarcoidosis