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

**Clinical features extracted from the case and entered into the query box:**
periorbital edema
mild crusting of the skin and malar erythema
tender, erythematous macular areas on the scalp
brightly erythematous, excoriated, morbilliform papular eruption over the midsternal region, the upper arm, neck and upper back.
ill-defined areas of erythema over the proximal and distal interphalangeal joints
plantar responses flexor
hypophonia
dysphagia
muscle tenderness
heliotropic rash
proximal muscle weakness, with truncal instability
elevated creatine kinase

**Synonyms used by Isabel for the above query:**
Hypophonia
dysphagia
Muscle tenderness
Elevated creatine kinase

**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:**
Contact dermatitis  
SLE (malar erythema and possible photosensitivity)  
Drug-induced exanthem  
Seborrheic dermatitis  
Dermatomyositis  
Polymyositis  
Vasculitis (such as lupus vasculitis or polyarteritis nodosa),  
Polymyalgia rheumatica  
Myasthenia gravis  
Other metabolic myopathies and infection.

**Final Diagnoses of the case according to NEJM:**
Dermatomyositis, due to a malignant tumor in the abdomen

**Differential Diagnoses of the case as given by Isabel:**
Dermatomyositis – Isabel 1st page  
Allergic drug reactions – Isabel 1st page  
SLE – click on Rheumatic diseases heading  
Rheumatoid arthritis – click on Rheumatic diseases heading  
Epstein–Barr virus – click on Infectious diseases heading  
Systemic sclerosis – click on Rheumatic diseases heading  
Seborrheic dermatitis – click on Allergic disorders heading

**Was the final diagnosis given by Isabel:**
Yes, Isabel 1st page

**Entire presentation cut and pasted into the Isabel query box:**
Dermatomyositis – Isabel 1st page  
SLE – click on Rheumatic diseases heading  
Epstein–Barr virus – click on Infectious diseases heading  
Systemic sclerosis – click on Rheumatic diseases heading
### Isabel differential:

<table>
<thead>
<tr>
<th>NEUROMUSCULAR DISORDERS</th>
<th>DERMATOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermatomyositis / Polymyositis</td>
<td>Dermatophyte Infections</td>
</tr>
<tr>
<td></td>
<td>Toxin Epidermal Necrolysis</td>
</tr>
<tr>
<td></td>
<td>Pityriasis Lichenoides</td>
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<td></td>
<td>Miliaris</td>
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<thead>
<tr>
<th>INFECTIOUS DISEASES</th>
<th>RESPIRATORY SYSTEM DISORDERS</th>
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<tbody>
<tr>
<td>Lyme Disease</td>
<td>Lung Neoplasms</td>
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<th>IMMUNOLOGIC SYSTEM</th>
<th>ALLERGIC DISORDERS</th>
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<tbody>
<tr>
<td>Eosinophilia-Myalgia Syndrome</td>
<td>Urticaria / Angioedema</td>
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<thead>
<tr>
<th>RHEUMATIC DISEASES</th>
<th>DISORDERS OF THE EAR</th>
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