
**Demographic:** Female 59 yrs, Not pregnant, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
- obese
- lethargic
- hip ulcer
- painful, tender and violaceous necrotic area over thigh
- erythema
- heel ulcer with foul-smelling purulent discharge
- leucocytosis
- thrombocytosis
- anemic
- high creatinine
- low albumin
- lower limb pain

**Synonyms used by Isabel for the above query:**
- Leucocytosis
- Thrombocytosis
- Anemic
- High creatinine
- Low albumin
- Lethargic
- Obese

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:**
Vascular and thrombotic diseases
Neuropathic ulcers
Infections - Osteomyelitis
Erythema nodosum
Pyoderma gangrenosum
Calciphylaxis

**Final Diagnosis of the case according to NEJM:**
Calciphylaxis, extensive, involving the right leg. Atherosclerotic vascular disease with ischemic ulcer on the heel and osteomyelitis

**Differential Diagnoses of the case as given by Isabel:**
Calciphylaxis in CRF – Isabel 1st page
Osteomyelitis & Septic arthritis – click on Infectious diseases heading
Pyoderma gangrenosum – click on Rheumatic diseases heading
Erythema nodosum – click on Rheumatic diseases heading

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

**Entire presentation cut and pasted into the Isabel query box:**
Osteomyelitis & Septic arthritis – click on Infectious disease heading
Chronic Venous Insufficiency – click on Vascular disorder heading
Isabel differential:

<table>
<thead>
<tr>
<th>INFECTIOUS DISEASES</th>
<th>RESPIRATORY SYSTEM DISORDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clostridial Infections</td>
<td>Lung Abscess</td>
</tr>
<tr>
<td>Brucellosis</td>
<td>Sarcoidosis</td>
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<tr>
<td>Tularemia</td>
<td></td>
</tr>
<tr>
<td>Lyme Disease</td>
<td>Diabetic Lower Limb Disease</td>
</tr>
<tr>
<td>Amoebiasis</td>
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<tr>
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<th>DERMATOLOGY</th>
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<th>GYNECOLOGICAL DISORDERS</th>
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