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

**Clinical features extracted from the case and entered into the query box:**
- fatigue
- cough
- peripheral blood monocytosis
- burning on urination
- suprapubic discomfort
- anemia
- leukocytosis

**Synonyms used by Isabel PRO for the above query:**
- anemia
- elevated white cell count
- burning on urination
- pelvic tenderness
- fatigue
- monocytosis
- cough

STOP!

Before you read further you might want to construct your own:

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the Final diagnosis

**Final Diagnosis of the case according to NEJM:**
Acute Myeloid Leukemia

**Was the final diagnosis given by Isabel PRO:**
Yes, Acute Myeloid Leukemia – Leukemia under Neoplastic Diseases
**Isabel PRO Final Diagnosis:**

**ENTER CLINICAL FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>Geriatric (65 years - onwards)</td>
</tr>
<tr>
<td>Gender</td>
<td>Male</td>
</tr>
<tr>
<td>Pregnancy</td>
<td>Not specified</td>
</tr>
<tr>
<td>Region</td>
<td>America North</td>
</tr>
<tr>
<td>Specialty</td>
<td>General</td>
</tr>
</tbody>
</table>

**ENTER QUERY TERMS ON SEPARATE LINES:**

- Fatigue
- Cough
- Peripheral blood monocytes
- Burning on urination
- Suprapubic tenderness
- Anemia
- Leukocytosis

**DEGREE OF MATCH**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Degree of Match</th>
<th>Why did this diagnosis come up?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prostate Cancer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Hodgkin's Lymphoma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leukemia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Myeloblastic Leukemia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Myelogenous Leukemia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Why did this diagnosis come up?**

We matched the terms: anemia | anemic | leukocytosis | fatigue

Degree of match between query entered and Isabel database

(Not clinical probability): 40%

**13 Body Systems**

- Infectious Diseases
- Respiratory Disorders
- Gastrointestinal Disorders
- Nephrology Disorders
- Hematology Disorders
- Rheumatic Diseases
- Urologic Disorders
- Cardiac Disorders
- Liver Disorders
- Dermatology Disorders
- Shock States
- Neoplastic Diseases