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Case 21 (July 11 2013): [N Engl J Med. 369\(2\):173-183](#)

Demographic: Male, 68 years, North America

Clinical features extracted from the case and entered into the query box:

right leg pain and leg swelling
right groin mass with erythema

Synonyms used by Isabel for the above query:

right leg pain
leg swelling

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:

Metastatic melanoma with a BRAFV600E mutation

Was the final diagnosis given by Isabel:

Yes, Malignant melanoma in Dermatology

Isabel Checklist Differential:

enter clinical features | synonyms

age*

gender female male

Refine search:

travel history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers:

right leg pain

leg swelling

right groin mass with erythema

+ add a clinical feature

get checklist ➔

[clear search](#)

Isabel is not meant to replace your clinical judgment.

diagnoses | drugs

show 10 | **show all** | **don't miss**

Malignant Melanoma DERM

Why did this diagnosis come up ?

We matched the terms: leg pain | leg painful | leg swelling | groin | mass | erythema

Degree of match between query entered and Isabel database (Not clinical probability): 100%

<input checked="" type="checkbox"/> Deep Vein Thrombosis	<input type="checkbox"/> HEMAT
<input checked="" type="checkbox"/> Benign Bone Tumors	<input type="checkbox"/> ORTHO
<input checked="" type="checkbox"/> Necrotizing Fasciitis	<input type="checkbox"/> INFE
<input checked="" type="checkbox"/> Femoral Fractures	<input type="checkbox"/> ORTHO
<input checked="" type="checkbox"/> Non-Hodgkin Lymphoma	<input type="checkbox"/> NEOPL
<input checked="" type="checkbox"/> Neutrophilic Dermatoses	<input type="checkbox"/> RHEUM
<input type="checkbox"/> Aortic Aneurysm / Dissection	<input type="checkbox"/> VASC
<input type="checkbox"/> Abdominal Aortic Aneurysm	
<input type="checkbox"/> Thoracic Aortic Aneurysm	
<input type="checkbox"/> Pulmonary Thromboembolism	<input type="checkbox"/> RESP
<input type="checkbox"/> Pulmonary Embolism and Infarction	
<input checked="" type="checkbox"/> Inflammatory Bowel Disease	<input type="checkbox"/> GASTRO

Click diagnosis for evidence-based content.

feedback: