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Case 23 (July 29 2010): [N Engl J Med. 363\(5\):463-475](#)

Demographic: Male, 49 yrs, North America

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

acute renal failure
perinephric fluid collections
dyspnea
bilateral pleural effusions
ascites
flank pain
secondary polycythemia
telangiectasias
monoclonal gammopathy

Synonyms used by Isabel for the above query:

acute renal failure
dyspnea
bilateral pleural effusions
ascites
flank pain
secondary polycythemia
telangiectasias
monoclonal gammopathy

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:

POEMS Syndrome

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Final Diagnosis of the case according to NEJM:

Renal lymphangiectasis
 Monoclonal gammopathy of undetermined significance

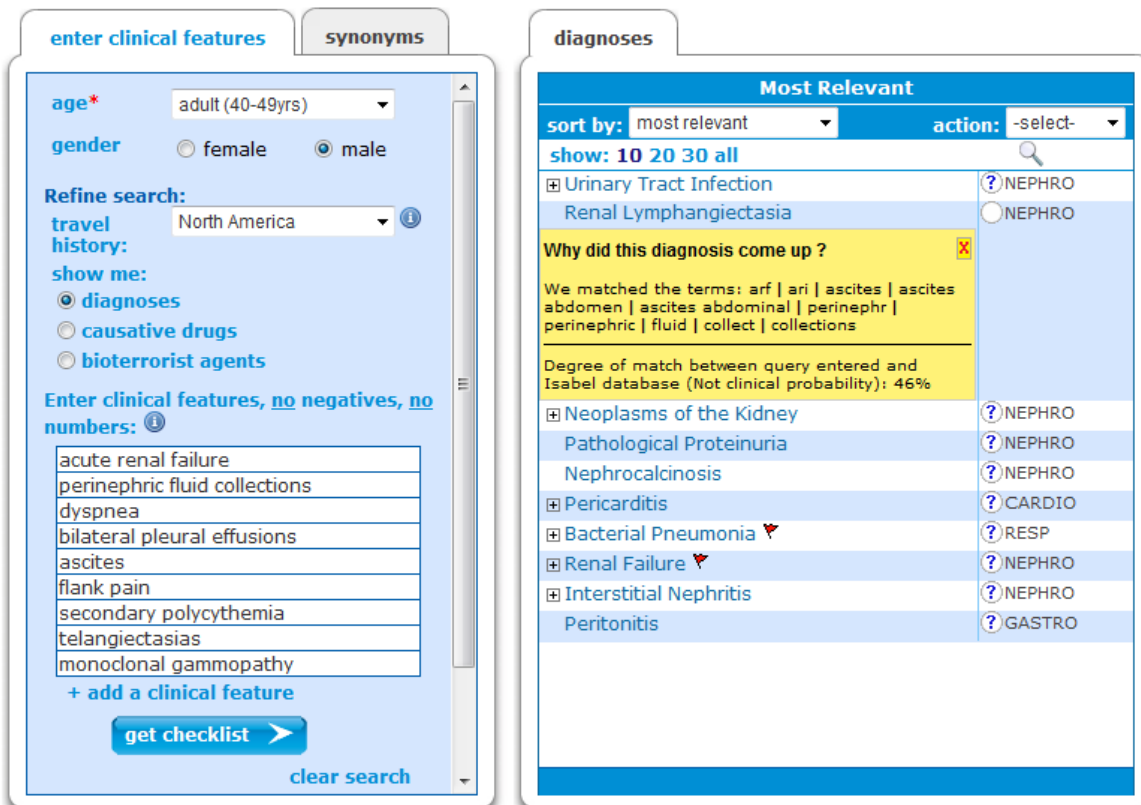
Differential Diagnoses of the case as given by Isabel:

POEMS syndrome in Rheumatology

Was the final diagnosis given by Isabel:

Yes, Renal lymphangiectasis in Nephrology

Isabel Differential:



The screenshot displays the Isabel healthcare interface. On the left, the 'enter clinical features' tab is active, showing a form with fields for age (adult (40-49yrs)), gender (male selected), travel history (North America), and a list of clinical features including acute renal failure, perinephric fluid collections, dyspnea, bilateral pleural effusions, ascites, flank pain, secondary polycythemia, telangiectasias, and monoclonal gammopathy. A 'get checklist' button is visible. On the right, the 'diagnoses' tab is active, showing a list of 'Most Relevant' diagnoses. The top diagnosis is 'Renal Lymphangiectasia' with a 46% match degree. Other diagnoses include Urinary Tract Infection, Neoplasms of the Kidney, Pathological Proteinuria, Nephrocalcinosis, Pericarditis, Bacterial Pneumonia, Renal Failure, Interstitial Nephritis, and Peritonitis. Each diagnosis is associated with a category (e.g., NEPHRO, CARDIO, RESP, GASTRO).