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Case 29 (September 22 2011): [N Engl J Med. 365\(12\):1129-1138](#)

Demographic: Female, 66 yrs, North America

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

congestive heart failure
orthopnea
osteopenia
renal failure
increased serum free kappa light chains

Synonyms used by Isabel for the above query:

congestive heart failure
orthopnea
osteopenia
renal failure

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:

Plasma-cell myeloma with AL amyloidosis involving the heart and kidneys

Was the final diagnosis given by Isabel:

Yes, (i) Multiple myeloma under malignant bone tumors in Neoplastic
(ii) Cardiac amyloidosis

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:

congestive heart failure	✕
orthopnea	
osteopenia	
renal failure	
creased serum free kappa light chains	

+ add a clinical feature

get checklist >

[clear search](#)

Isabel is not meant to replace your clinical judgment.

diagnoses
drugs

Results

sort by: most relevant action: -select-

show: 10 / all

Glomerulonephritis				<input checked="" type="radio"/> NEPHRO
<input type="checkbox"/> Malignant Bone Tumors				<input type="radio"/> NEOPL
Multiple Myeloma				
Myeloma				
Why did this diagnosis come up ? ✕				
We matched the terms: chf chf congestive heart failure chains renal failure increased increas serum light free kappa chain				
Degree of match between query entered and Isabel database (Not clinical probability): 81%				
Light Chain / Heavy Chain Deletions				<input checked="" type="radio"/> IMMUNO
Heart Failure / CHF				<input checked="" type="radio"/> CARDIO
<input type="checkbox"/> Renal Failure				<input checked="" type="radio"/> NEPHRO
Acute Kidney Injury				
Chronic Renal Failure				
<input type="checkbox"/> Amyloidosis				<input type="radio"/> RHEUM
Light Chain Amyloidosis				
Why did this diagnosis come up ? ✕				
We matched the terms: chf chf congestive heart failure chains light kappa chain				

feedback: