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Case 5 (February 18 2010): [N Engl J Med. 362\(7\):636-646](#)

Demographic: Male, 51 yrs, America North, General speciality

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

hepatitis C infection
proteinuria
edema
hypertension
headache
nasal congestion
ocular pressure
intermittent blurred vision
increased urinary frequency
foamy urine
night sweats
joint stiffness

Synonyms used by Isabel PRO for the above query:

proteinuria
edema
hypertension
headache
nasal congestion
hepatitis c infection
night sweats
joint stiffness
foamy urine
increased urinary frequency

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 PRO contain
- Did Isabel PRO suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:

Systemic lupus erythematosus

Final Diagnosis of the case according to NEJM:

Fibrillary glomerulonephritis associated with hepatitis C virus infection

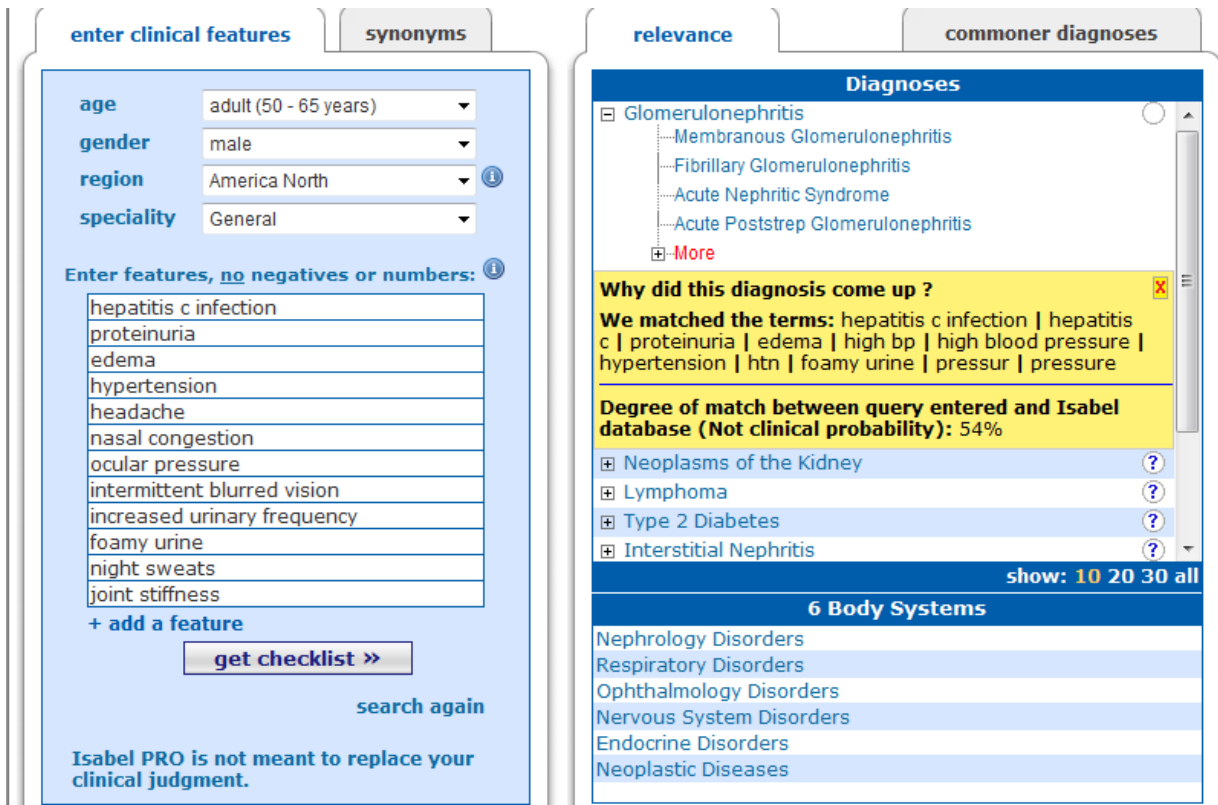
Differential Diagnoses of the case as given by Isabel PRO:

Systemic lupus erythematosus – in Rheumatic diseases

Was the final diagnosis given by Isabel PRO:

Yes, Fibrillary glomerulonephritis in Nephrology disorders

Isabel PRO Final Diagnosis:



The screenshot displays the Isabel PRO interface with two main panels. The left panel, titled 'enter clinical features', includes dropdown menus for age (adult 50-65 years), gender (male), region (America North), and speciality (General). Below these is a text input area for features, containing terms like 'hepatitis c infection', 'proteinuria', 'edema', 'hypertension', 'headache', 'nasal congestion', 'ocular pressure', 'intermittent blurred vision', 'increased urinary frequency', 'foamy urine', 'night sweats', and 'joint stiffness'. A 'get checklist >>' button and a 'search again' link are also present. The right panel, titled 'Diagnoses', shows a list of conditions: Glomerulonephritis (with sub-items: Membranous Glomerulonephritis, Fibrillary Glomerulonephritis, Acute Nephritic Syndrome, Acute Poststrep Glomerulonephritis), Neoplasms of the Kidney, Lymphoma, Type 2 Diabetes, and Interstitial Nephritis. A yellow box explains the match: 'Why did this diagnosis come up? We matched the terms: hepatitis c infection | hepatitis c | proteinuria | edema | high bp | high blood pressure | hypertension | htn | foamy urine | pressur | pressure'. It also shows a 'Degree of match between query entered and Isabel database (Not clinical probability): 54%'. At the bottom, it lists '6 Body Systems' including Nephrology Disorders, Respiratory Disorders, Ophthalmology Disorders, Nervous System Disorders, Endocrine Disorders, and Neoplastic Diseases.