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Case 1 (January 14 2010): [N Engl J Med. 362\(2\):156-166](#)

Demographic: Male, 75 yrs, America North, General speciality

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

hypertension
hyperglycemia
weight gain
hematuria
pedal edema
jugular vein distension
elevated PSA

Synonyms used by Isabel PRO for the above query:

hypertension
hyperglycemia
weight gain
calf pain
pedal edema
hematuria
elevated PSA
jugular vein distension

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
- Which of the MGH panel differential diagnoses did Isabel PRO contain
- Did Isabel PRO suggest the Final diagnosis

Final Diagnosis of the case according to NEJM:

Secondary Cushing's syndrome due to metastatic small-cell carcinoma of prostatic origin.

Differential Diagnoses of the case as given by Isabel PRO:

Adrenal tumors – under Endocrine disorders

Ectopic corticotropin syndrome – under Endocrine disorders

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Was the final diagnosis given by Isabel PRO:

Yes,

- (i) Cushing's syndrome – under Endocrine disorders
- (ii) Prostate cancer – under Neoplastic disorders

Isabel PRO Final Diagnosis:

- (i) Cushing's Syndrome:

enter clinical features | synonyms

age: geriatric (65 years - onwards)

gender: male

region: America North

speciality: General

Enter features, no negatives or numbers:

hypertension

hyperglycemia

weight gain

hematuria

pedal edema

jugular vein distension

elevated psa

+ add a feature

get checklist >>

search again

Isabel PRO is not meant to replace your clinical judgment.

relevance | **commoner diagnoses**

Diagnoses

Cor Pulmonale	? RD
Pulmonary Edema	? RD
Mitral Stenosis	? RD
SLE	? RD
Cushing's Syndrome	○ RD

Why did this diagnosis come up ?

We matched the terms: hypertension | hyperglycemia | weight gain

Degree of match between query entered and Isabel database (Not clinical probability): 32%

Mitral Insufficiency / Regurgitation	? RD
Polyarteritis Nodosa	? RD
Pulmonary Hypertension Disorder	? RD
Antiphospholipid Syndrome	? RD
Prostatic Hyperplasia	? RD

show: 10 20 30 all

12 Body Systems

- Cardiac Disorders
- Vascular Disorders
- Nephrology Disorders
- Respiratory Disorders
- Rheumatic Diseases
- Liver Disorders
- Urologic Disorders

(ii) Prostate Cancer:

enter clinical features | synonyms

age: geriatric (65 years - onwards)

gender: male

region: America North

speciality: General

Enter features, no negatives or numbers:

hypertension

hyperglycemia

weight gain

hematuria

pedal edema

jugular vein distension

elevated psa

+ add a feature

get checklist >>

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relevance | **commoner diagnoses**

Diagnoses

Tricuspid Stenosis	? RD
Portal Hypertension / Varices	? RD
Chronic Venous Insufficiency	? RD
Pericarditis	? RD
Superior Vena Cava Syndrome	? RD
COPD	? RD
Heart Failure / CHF	? RD
Aortic Aneurysm / Dissection	? RD
Prostate Cancer	RD

Why did this diagnosis come up ?

We matched the terms: hematuria | elevated prostatespecific antigen | elevated psa

Degree of match between query entered and Isabel database (Not clinical probability): 42%

Cardiac Neoplasms ? RD

show: 10 20 30 all

12 Body Systems

- Cardiac Disorders
- Vascular Disorders
- Nephrology Disorders
- Respiratory Disorders
- Rheumatic Diseases
- Liver Disorders
- Urologic Disorders