

Case 15 (May 15 2008): [N Engl J Med. 358\(20\):2161-2168](#)

Demographic: Male, 55 years, America North, General speciality

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

elevated PSA
decreasing force of urinary stream
increasing urinary urgency
nocturia
enlarged prostate

Synonyms used by Isabel for the above query:

elevated PSA
increasing urinary urgency
nocturia
enlarged prostate

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

Final Diagnosis of the case according to NEJM:

Adenocarcinoma of the prostate.

Was the final diagnosis given by Isabel:

Yes, under Neoplastic diseases heading

Isabel Differential:

<p>UROLOGIC DISORDERS << click to expand</p> <ul style="list-style-type: none"> Cystitis / Urethritis <input type="checkbox"/> Related Dx Prostatic Hyperplasia <input checked="" type="checkbox"/> Related Dx Lower Urinary Tract Obstruction <input type="checkbox"/> Related Dx Prostatitis <input checked="" type="checkbox"/> Related Dx 	<p>NEPHROLOGY << click to expand</p> <ul style="list-style-type: none"> Renal Failure <input type="checkbox"/> Related Dx Urinary Tract Infection <input type="checkbox"/> Related Dx
<p>ENDOCRINE SYSTEM << click to expand</p> <ul style="list-style-type: none"> Diabetic Ketoacidosis <input type="checkbox"/> Related Dx 	<p>RESPIRATORY DISORDERS << click to expand</p> <ul style="list-style-type: none"> Bacterial Pneumonia <input type="checkbox"/> Related Dx
<p>CARDIAC DISORDERS << click to expand</p> <ul style="list-style-type: none"> Heart Failure / CHF <input type="checkbox"/> Related Dx 	<p>NERVOUS SYSTEM DISORDERS << click to expand</p> <ul style="list-style-type: none"> Dystonia Disorders <input type="checkbox"/> Related Dx
<p>NEUROMUSCULAR DISORDERS << click to expand</p> <ul style="list-style-type: none"> Chronic Autonomic Failure <input type="checkbox"/> Related Dx 	<p>NEOPLASTIC DISEASES</p> <ul style="list-style-type: none"> Prostate Cancer <input checked="" type="checkbox"/> Related Dx <div style="border: 1px solid black; background-color: yellow; padding: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: nocturia elevated psa urinari urinary urgency urinary</p> <p>Degree of match between query entered and isabel database (Not clinical probability): 49%</p> </div>
<p>PSYCHOLOGIC DISORDERS</p> <ul style="list-style-type: none"> PTSD <input type="checkbox"/> Related Dx 	<p>INFECTIOUS DISEASES</p> <ul style="list-style-type: none"> Lyme Disease <input type="checkbox"/> Related Dx
<p>SHOCK STATES</p> <ul style="list-style-type: none"> Cardiogenic Shock <input type="checkbox"/> Related Dx 	<p>LIVER DISORDERS</p> <ul style="list-style-type: none"> Hepatocellular Failure <input type="checkbox"/> Related Dx
<p>GASTROINTESTINAL DISORDERS</p> <ul style="list-style-type: none"> Malocclusion <input type="checkbox"/> Related Dx 	<p>HEMATOLOGY</p> <ul style="list-style-type: none"> Hemolysis due to Trauma <input type="checkbox"/> Related Dx
<p>ORTHOPEDIC DISORDERS</p> <ul style="list-style-type: none"> Foot Fractures <input type="checkbox"/> Related Dx 	<p>ENVIRONMENTAL HEALTH HAZARDS</p> <ul style="list-style-type: none"> Internal Radiation Contamination <input type="checkbox"/> Related Dx