

Case 27 (August 28 2008): [N Engl J Med. 359\(9\):951-960](#)

Demographic: Male, 64 yrs, America North, General speciality

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

abdominal pain
nausea
elevated serum creatinine
abdominal tenderness
anorexia
vomiting
hypertension
peripheral edema

Synonyms used by Isabel for the above query:

Abdominal pain
Elevated serum creatinine
Abdominal tenderness
Anorexia
Vomiting
Hypertension
Peripheral edema

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:

Nephrocalcinosis
Acute Tubular Necrosis (ARF)

Final Diagnosis of the case according to NEJM:

Acute phosphate nephropathy/Acute Nephrocalcinosis due to ingestion of oral sodium phosphate solution

Differential Diagnoses of the case as given by Isabel:

Nephrocalcinosis - under Nephrology heading
Acute Renal Failure - under Nephrology heading

Was the final diagnosis given by Isabel:

Yes, under Nephrology heading

Isabel Differential:

+ GASTROINTESTINAL DISORDERS << click to expand	- NEPHROLOGY >> click to collapse
<input type="checkbox"/> Acute Appendicitis ? RD	<input type="checkbox"/> Renal Failure ? RD
<input type="checkbox"/> Gastritis ? RD	<div style="border: 1px solid black; background-color: #ffffcc; padding: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: anorexia loss of appetite high bp hypertension htn high blood pressure vomiting high creatinine nausea</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 61%</p> </div>
+ LIVER DISORDERS << click to expand	<input checked="" type="checkbox"/> Acute Renal Failure
<input type="checkbox"/> Alcoholic Liver Disease ? RD	<input type="checkbox"/> Chronic Renal Failure
<input type="checkbox"/> Cholecystitis ? RD	<input type="checkbox"/> Diabetic Nephropathy ? RD
<input type="checkbox"/> Liver Abscess ? RD	<input type="checkbox"/> Urinary Tract Infection ? RD
<input type="checkbox"/> Budd-Chiari Syndrome ? RD	<input type="checkbox"/> Glomerulonephritis ? RD
SHOCK STATES	<input type="checkbox"/> Interstitial Nephritis ? RD
<input type="checkbox"/> Cardiogenic Shock ? RD	<input type="checkbox"/> Nephrocalcinosis ? RD
+ TOXICOLOGY << click to expand	<div style="border: 1px solid black; background-color: #ffffcc; padding: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: anorexia hypertension vomiting peripheral edema elevated creatinine nausea</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 70%</p> </div>
+ RHEUMATIC DISEASES << click to expand	+ NEOPLASTIC DISEASES << click to expand
+ ALLERGIC DISORDERS << click to expand	<input type="checkbox"/> Colorectal Cancer ? RD
	+ INFECTIOUS DISEASES << click to expand
	+ ENDOCRINE SYSTEM << click to expand
	+ CARDIAC DISORDERS << click to expand