

Case 28 (September 13 2007): [N Engl J Med. 357\(11\):1137-1145](#)

Demographic: Male, 68yrs, America North, General speciality

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

syncope
hemiparesis
altered mental status
lethargic
proteinuria
ketonuria
sinus tachycardia with ST elevation
holosystolic murmur
abnormal clotting
elevated aspartate aminotransferase
elevated cardiac enzymes

Synonyms used by Isabel for the above query:

syncope
holosystolic murmur
hemiparesis
altered mental status
lethargic
proteinuria
ketonuria

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:

Embolization of the cerebral, coronary, renal, and mesenteric vasculature
Cardiac neoplasm - Myxoma

Final Diagnosis of the case according to NEJM:

Left atrial cardiac myxoma with systemic embolization.

Differential Diagnoses of the case as given by Isabel:

Myocardial infarction – Isabel top 10
Cardiac Myxoma – click on Cardiac disorders heading, under Cardiac neoplasms
Renal failure – Isabel top 10

Was the final diagnosis given by Isabel:

Yes, click on Cardiac disorders heading, under Cardiac neoplasms

Isabel differential:

CARDIAC DISORDERS << Click here	NEUROMUSCULAR DISORDERS << Click here
<ul style="list-style-type: none"> Ischemic Heart Disease / Acute Coronary Syndrome ? Related Dx Heart Failure / CHF ? Related Dx Cor Pulmonale ? Related Dx 	HEMATOLOGY << Click here
<ul style="list-style-type: none"> Conduction Defects ? Related Dx Sick Sinus Syndrome ? Related Dx Extrasystoles ? Related Dx 	LIVER DISORDERS << Click here
<ul style="list-style-type: none"> Myocarditis ? Related Dx Cardiomyopathy ? Related Dx Pericarditis ? Related Dx Pericardial Effusion / Tamponade ? Related Dx Long QT Syndrome ? Related Dx 	VASCULAR DISORDERS << Click here
<ul style="list-style-type: none"> Cardiac Neoplasms ? Related Dx <ul style="list-style-type: none"> Benign Cardiac Mesothelioma Cardiac Myxoma Carotid Body Tumor Elastofibroma Papillary Fibroelastoma Pericardial Mesothelioma 	ALLERGIC DISORDERS << Click here
<ul style="list-style-type: none"> Aortic Stenosis ? Related Dx Mitral Insufficiency / Regurgitation ? Related Dx Aortic Insufficiency / Regurgitation ? Related Dx 	NEOPLASTIC DISEASES << Click here
RESPIRATORY SYSTEM DISORDERS	RHEUMATIC DISEASES << Click here
<ul style="list-style-type: none"> Lung Neoplasms ? Related Dx Sarcoidosis ? Related Dx 	TOXICOLOGY << Click here
SHOCK STATES	METABOLIC DISEASES << Click here
Cardiogenic Shock ? Related Dx	
ENDOCRINE SYSTEM << Click here	
Diabetic Ketoacidosis ? Related Dx	
NEPHROLOGY << Click here	
Renal Failure ? Related Dx	
INFECTIOUS DISEASES << Click here	
Meningococcal Disease ? Related Dx	
NERVOUS SYSTEM DISORDERS	
CVA / Stroke ? Related Dx	