

Case 37 (November 29 2007): [N Engl J Med. 357\(22\):2286-2297](#)

Demographic: Male, 47 years, America North, General speciality

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

rales
new third heart sound
high jugular venous pressure
peripheral edema
tachycardia
right bundle branch block
ST segment elevation
hypotensive
elevated troponin

Synonyms used by Isabel for the above query:

Rales
Peripheral edema
Tachycardia
Hypotension
Elevated troponin
Right bundle branch block

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:

Primary Cardiac Amyloidosis
Early Decline in Cardiac Function after Transplantation
Transplant Rejection - humoral
Myocardial Infarction

Final Diagnosis of the case according to NEJM:

Acute myocardial infarction of donor heart
Pericardial amyloid deposition

Mild acute cellular rejection – if you would like to read up on transplant complications, please consult our Search Knowledge component – under the Read up a textbook option.

Differential Diagnoses of the case as given by Isabel:

Myocardial infarction – under Cardiac disorders heading
Amyloidosis – under Rheumatic disorders heading

Was the final diagnosis given by Isabel:

Yes, under Cardiac disorders heading

Isabel Differential:



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INFECTIOUS DISEASES <input type="checkbox"/> Salmonella Infections <input type="button" value="Related Dx"/>	RESPIRATORY SYSTEM DISORDERS << click to expand <input type="checkbox"/> Lung Neoplasms <input type="button" value="Related Dx"/>
SHOCK STATES << click to expand <input type="checkbox"/> Hypovolemic Shock <input type="button" value="Related Dx"/>	RHEUMATIC DISEASES <input type="checkbox"/> Amyloidosis <input type="button" value="Related Dx"/>
VASCULAR DISORDERS <input type="checkbox"/> Aortic Aneurysm / Dissection <input type="button" value="Related Dx"/>	<div style="border: 1px solid black; background-color: yellow; padding: 5px;"> Why did this diagnosis come up ? We matched the terms: hypotension peripheral edema palpitation palpitations heart high elev elevated troponin elevation </div> <ul style="list-style-type: none"> ... Amyloid A Amyloidosis ... Familial Hereditary Amyloidosis ... Light Chain Amyloidosis ... Primary Amyloidosis
CARDIAC DISORDERS << click to expand <input type="checkbox"/> Ischemic Heart Disease <input type="button" value="Related Dx"/> <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin-top: 10px;"> Why did this diagnosis come up ? We matched the terms: hypotension rales rale new heart sound jugular venous st segment elev elevated troponin elevation </div> <ul style="list-style-type: none"> ... Angina ... Myocardial Infarction / Acute Coronary Syndrome ... Prinzmetal's Variant Angina ... Unstable Angina <input type="checkbox"/> Infective Endocarditis <input type="button" value="Related Dx"/> <input type="checkbox"/> Heart Failure / CHF <input type="button" value="Related Dx"/> <input type="checkbox"/> Cardiomyopathy <input type="button" value="Related Dx"/> <input type="checkbox"/> Cor Pulmonale <input type="button" value="Related Dx"/> <input type="checkbox"/> Pulmonary Hypertension Disorder <input type="button" value="Related Dx"/> <input type="checkbox"/> Myocarditis <input type="button" value="Related Dx"/> <input type="checkbox"/> Cardiac Disease in HIV <input type="button" value="Related Dx"/>	HEMATOLOGY << click to expand <input type="checkbox"/> Protein C Deficiency <input type="button" value="Related Dx"/>
ENDOCRINE SYSTEM << click to expand <input type="checkbox"/> Hypothyroidism <input type="button" value="Related Dx"/>	NERVOUS SYSTEM DISORDERS <input type="checkbox"/> Arteriovenous Fistulas <input type="button" value="Related Dx"/>
NUTRITIONAL DISORDERS <input type="checkbox"/> Thiamine Deficiency <input type="button" value="Related Dx"/>	NEPHROLOGY <input type="checkbox"/> Renal Failure <input type="button" value="Related Dx"/>
	TOXICOLOGY << click to expand <input type="checkbox"/> Drug Overdose/Poisoning <input type="button" value="Related Dx"/>