

Case 36 (November 24 2011): [N Engl J Med. 365\(21\):2021-2028](#)

Demographic: Female, 93 yrs, North America

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

stabbing substernal chest pain
shortness of breath
ST-segment elevation
sinus tachycardia

Synonyms used by Isabel for the above query:

shortness of breath
sinus tachycardia
ST-segment elevation

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:

Aortic dissection
Acute pericarditis
Pulmonary embolism
Myocarditis

Final Diagnosis of the case according to NEJM:

Apical ballooning syndrome (Takotsubo cardiomyopathy)

Differential Diagnoses of the case as given by Isabel:

Aortic dissection in Cardiac
Acute pericarditis in Cardiac
Pulmonary embolism in Respiratory
Myocarditis in Cardiac

Was the final diagnosis given by Isabel:

Yes, Takostubo cardiomyopathy under Cardiomyopathy in Cardiac

Isabel Checklist Differential:

enter clinical features | synonyms

age*

gender female male

Refine search:

travel

history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers: ⓘ

stabbing substernal chest pain	✕
shortness of breath	✕
st-segment elevation	✕
sinus tachycardia	✕

+ add a clinical feature

get checklist >

[clear search](#)

Isabel is not meant to replace your clinical judgment.

diagnoses | drugs

Results

sort by: most relevant | action: -select-

show: 10 / all ⓘ ⓘ

<input checked="" type="checkbox"/> Myocarditis	👍👎	? CARDIO
<input checked="" type="checkbox"/> Cardiomyopathy	👍👎	○ CARDIO
↳ Takostubo Cardiomyopathy	👍👎	

Why did this diagnosis come up ? ⓘ

We matched the terms: dyspnea | dyspneic | dib | difficulty in breathing | difficulty breathing | difficult breathing | stsegment elevation | sob | st | shortness of breath | short of breath | st segment elevation | st segment change | st segment changes | sinus tachycardia | sinus tach | sinus tachy | stabbing | substernal | shortness | segment | stab | substern | chest | pain

Degree of match between query entered and Isabel database (Not clinical probability): 96%

<input checked="" type="checkbox"/> Aortic Aneurysm / Dissection	👍👎	? VASC
<input checked="" type="checkbox"/> Pulmonary Thromboembolism	👍👎	? RESP
↳ Cardiogenic Shock	👍👎	? SHOCK
<input checked="" type="checkbox"/> Ischemic Heart Disease	👍👎	? CARDIO
<input checked="" type="checkbox"/> Pericarditis	👍👎	? CARDIO
↳ Iron Deficiency Anemia	👍👎	? HEMAT
↳ Interstitial Lung Disease	👍👎	? RESP
<input checked="" type="checkbox"/> Pericardial Effusion / Tamponade	👍👎	? CARDIO

feedback: submit