

**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