

## An interesting diastolic jet in left ventricle

### *Sol ventrikülde ilginç bir diyastolik jet*

A 34-year-old man presented with palpitation, NYHA class II symptoms for 6 months. His past medical history includes hypertriglyceridemia and hepatosteatosi for 3 years. On physical examination, blood pressure was 135/60 mmHg and there was a grade 3/6 diastolic murmur radiating apex. Electrocardiography showed left axis deviation. Routine laboratory revealed hypertriglyceridemia. Transthoracic echocardiography (TTE) demonstrated aortic stenosis (max/mean gradient: 41/24mmHg), mild- to- moderate aortic regurgitation and diastolic turbulent flow at the site of the lateral mitral annulus (Fig. 1A, B, Video 1. See corresponding video/movie images at [www.anakarder.com](http://www.anakarder.com)). Transesophageal short- axis echocardiography view demonstrated bicuspid aortic valve and long-axis view showed mild -to -moderate aortic regurgitation (Fig. 1C, D,

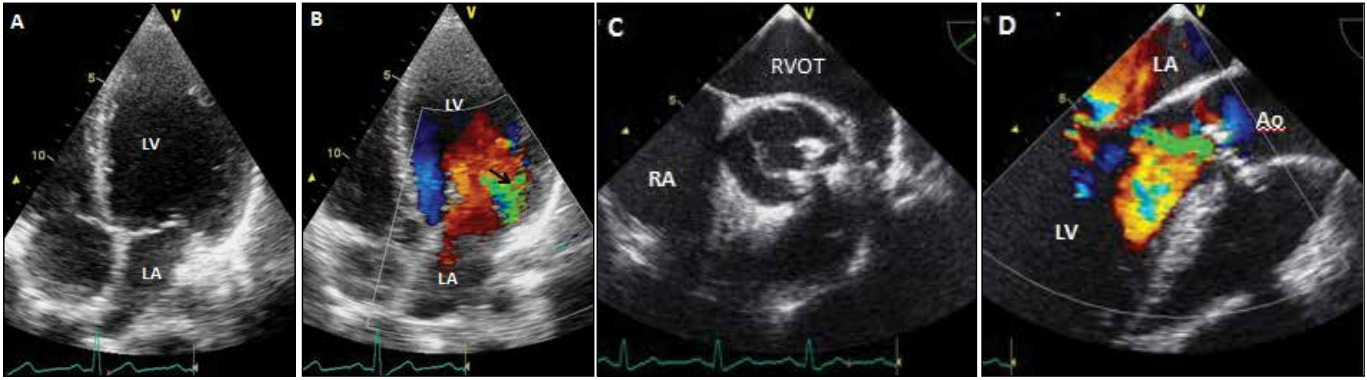
Video 2. See corresponding video/movie images at [www.anakarder.com](http://www.anakarder.com)).

#### What is your diagnosis?

1. Mitral posterior leaflet perforation
2. Eccentric aortic regurgitation
3. Coronary cameral fistula
4. Atrioventricular tunnel

**Video 1.** Transthoracic echocardiographic apical 4-chamber views of a diastolic turbulent flow at the site of the lateral mitral annulus (black arrow)

**Video 2.** Transesophageal long-axis view of aortic regurgitation



**Figure 1.** A, B) Transthoracic echocardiographic apical 4-chamber views of diastolic turbulent flow at the site of the lateral mitral annulus (black arrow), C) Transesophageal short-axis view of bicuspid aortic valve, D) Transesophageal long-axis view of aortic regurgitation

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**Available Online Date/Çevrimiçi Yayın Tarihi:** 22.04.2013

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doi:10.5152/akd.2013.133

