An adult patient with the ruptured aneurysm of mitral valve posterior leaflet

A 34-year-old man was admitted to our hospital with exertional dyspnea. Past medical history was significant for asymptomatic mitral valve prolapse, moderate mitral regurgitation and chordae tendineae rupture diagnosed two years previously. He had no history of palpitation or fever. Physical examination revealed apical 3/6 grade systolic murmur. Electrocardiography was in normal sinus rhythm. 2D and 3D transthoracic echocardiography (TTE) showed that left ventricular ejection fraction was 67%, left heart chambers were dilated and a saccular aneurysm bulging towards the left atrium at the posterior mitral leaflet. In color Doppler examination, there was a regurgitant flow across the aneurysm, suggesting rupture. (Fig. 1A and Video 1. See corresponding video/movie images at www.anakarder.com) There was no evidence of infective endocarditis. Real-time three-dimensional transesophageal echocardiography (RT3D TEE) confirmed the TTE findings. In addition, it revealed the bulging into the left atrium was in both systole and diastole, confirming the diagnosis of aneurysm instead of prolapse. (Fig. 1B, C, 2A, B, 3A, B and Video 2, 3, 4. See corresponding video/movie images at www.anakarder.com). The patient was scheduled to elective surgical operation.

Zafer Işılak, Mehmet Uzun, Murat Yalçın, Fethi Kılıçaslan
Department of Cardiology, Gülhane Military Medical Academy, Haydarpaşa Hospital, İstanbul-Turkey

Address for Correspondence/Yazışma Adresi: Dr. Zafer Işılak, GATA Haydarpaşa Hastanesi, Tibbiye Cad., Üsküdar 34668 İstanbul-Türkiye
Phone: +90 216 542 34 80
E-mail: drzafersilak@gmail.com
Available Online Date/Çevrimiçi Yayın Tarihi: 29.05.2013

Structural failure of a left atrial appendage occluder device

Sol atriyal apendiks kapatma sistemindeki yapışal bozukluk

Structural failure of left atrial appendage (LAA) occluder devices is rarely reported. An 81-year old female patient was implanted with a