

Images in Cardiology

Kardiyolojide Görüntüler

A case of isolated giant right atrial myxoma manifested by syncopal attacks

Senkop ataklarına yol açan büyük izole sağ atriyal miksoma

Mehmet Yazıcı,¹ Hakan Özhan,¹ Cem Nazlı,²
Ozan Kinay,² Oktay Ergene²

¹Department of Cardiology, Düzce Medicine Faculty of Abant İzzet Baysal University, Düzce; ²Department of Cardiology, İzmir Atatürk Training and Research Hospital, İzmir

A 65-year-old female patient had been diagnosed as congestive heart failure and medication was started. After three months she was admitted to our department, with complaints of syncopal attacks on mild exertion. Her pulse and blood pressure were normal on admission. Physical examination revealed arrhythmia. On cardiac auscultation, a diastolic murmur of grade 1-2/6 maximal at the lower left sternal border was heard. There was mild edema in lower extremities. All other organ systems were normal. Electrocardiogram revealed atrial fibrillation and the chest X-ray film demonstrated an enlarged cardiac silhouette. Transthoracic echocardiography (TTE) demonstrated a giant mass in the right atrium 6.3x5.2 cm in diameter which was immobile, clearly separated from atrial septum (Fig. 1). Hemoglobin was 10.7 g/dl; and erythrocyte sedimentation rate was 105 mm/h. Other hematological and biochemical laboratory tests were within normal limits. Magnetic resonance imaging of the coronal section (no contrast agent was used) showed a hypointense mass filling the right atrium (Fig. 2). The etiology of the patient's syncopal attacks was possibly intermittent obstruction of tricuspid valve by this large tumor. Surgery was performed and the mass was removed. Macroscopic appearance revealed myxoma (Fig. 3) which was confirmed with microscopic evaluation. The patient was stable postoperatively. She was discharged two days later. Three months after surgery, the patient was doing well without any symptoms and her TTE was normal.

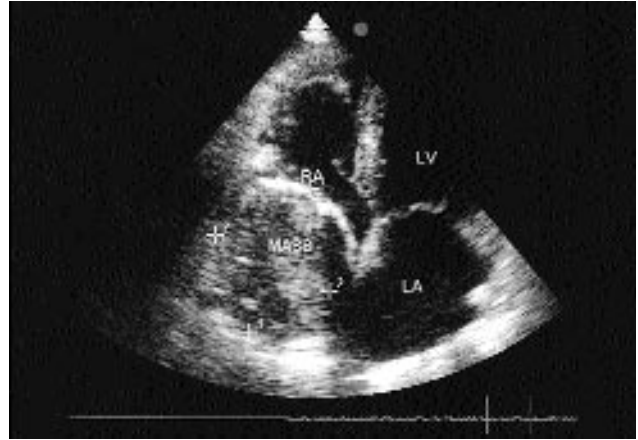


Fig. 1. Transthoracic apical four chamber view showing a giant right atrial myxoma almost totally occupying right atrium. RA: Right atrium; MASS: Myxoma filling the right atrium; LV: Left ventricle; LA: Left atrium.

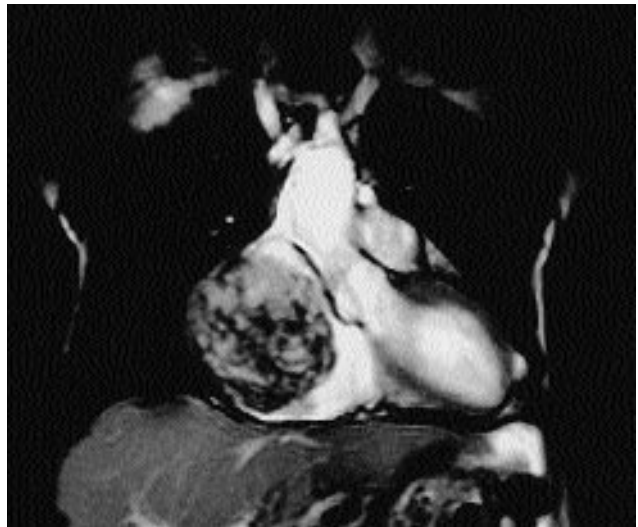


Fig. 2. Magnetic resonance image demonstrating myxoma in the right atrium.



Fig. 3. Gross pathologic appearance of the myxoma.