

Medical Image

Title: Giant Left Atrium with Large Thrombus - Comprehensive Evaluation and Management

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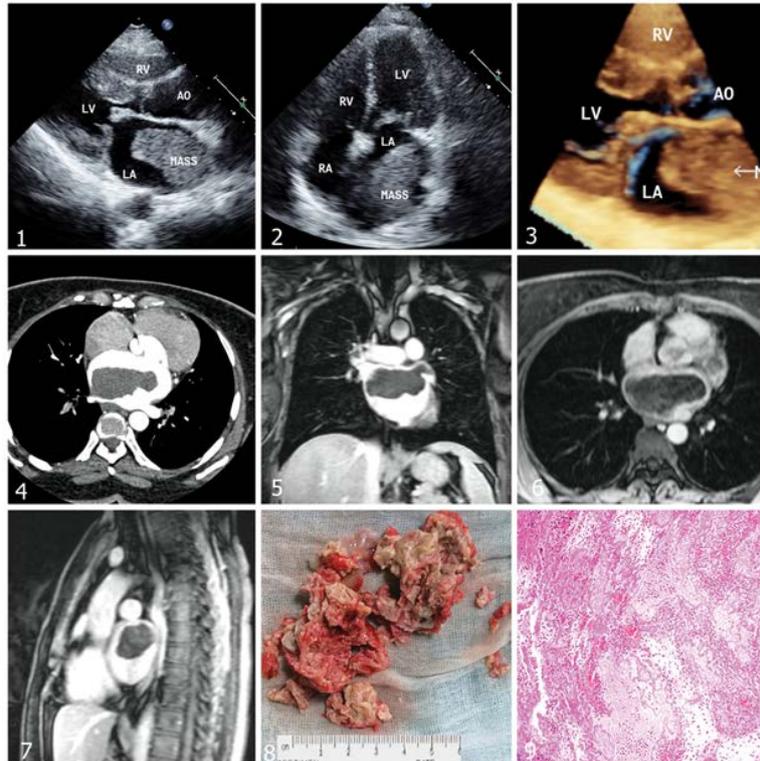


Figure 1: Parasternal long axis view in 2D echocardiography showing a large mass in left atrium.

Figure 2: Apical 4 chamber view showing the mass occupying almost whole of left atrium.

Figure 3: Parasternal long axis view in 3D echocardiography showing a better delineation of large mass in left atrium.

Figure 4: Computerized tomography shows the mass in left atrium with extension into pulmonary veins.

Figures 5-7: Cardiac Magnetic resonance imaging of the patient displays the mass with characteristic features of thrombus measuring 3.4 cm anteroposteriorly and 8.3 cm transversely.

Figure 8: Gross specimen showing multiple grey white friable soft tissue bits from left atrium.

Figure 9: Histopathology of the mass in left atrium (10 \times) showing alternating layers of RBCs and pale platelet and fibrin deposits suggestive of thrombus.

47 year old lady presented with NYHA class III symptoms of dyspnea on exertion with acute right lower limb ischemia, prompt surgical embolectomy was done. Cardiac evaluation with echocardiography (Figures 1-3) revealed Rheumatic heart disease – Severe Mitral Stenosis with a giant Left Atrium (measuring 6.8 \times 5.4 cm) with large mass measuring 6.5 \times 3.2 cm occupying almost whole of left atrium. Detailed evaluation of the mass was done to rule out malignancy with CT (Figure 4) and MRI (Figures 5-7) which were indicative of thrombus. Left atrial thrombectomy with mitral valve replacement was done (Figure 8) and histopathology confirmed the diagnosis of thrombus (Figure 9).