

Cardiac mass of the right atrium: an incidental finding

A 66-year-old male patient was admitted to our emergency department with typical angina pectoris. His physical examination was normal except Levine 2/6 systolic murmur heard at the apex. Electrocardiography revealed normal sinus rhythm with a heart rate of 78 bpm. Cardiac biomarkers were positive. He was hospitalized as non-ST elevation myocardial infarction. Coronary angiography was performed and revealed 3 vessel disease. Transthoracic echocardiography revealed moderate mitral regurgitation with 60% ejection fraction and a hyper-echogenic mass in the right atrium. Transesophageal echocardiography revealed a well-circumscribed mobile mass on the right atrial wall, was 3.4 x 3.5 cm in diameter (Fig. 1-3, Video 1-3). He underwent coronary artery by-pass graft surgery together with mitral valve repair and right atrial mass resection (Fig. 4, 5).

What is your diagnosis?

1. Myxoma
2. Hemangiosarcoma
3. Hemangioma
4. Cyst hydatid

Video 1. 0 degrees 4-chamber TEE image of the right atrial mass

Video 2. Bicaval TEE image of the right atrial mass

Video 3. 45 degrees aortic short-axis view of the mass



Figure 1. 0 degrees 4-chamber TEE image showing the mass (arrow) in the right atrium



Figure 2. Bicaval TEE image of the right atrial mass (arrow)



Figure 3. Forty-five degrees aortic short axis view of the right atrial mass (arrow)

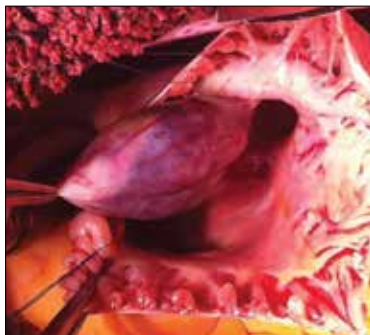


Figure 4. Perioperative image of mass resection



Figure 5. Image of the mass

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Available Online Date 10.01.2014

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DOI:10.5152/akd.2014.5230

