

Physician - Valvular Diseases and Surgery

[MEP-35]

Primary Cardiac Tumor: A Case Report of Right Atrial Angiosarcoma

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Cardiac tumors mainly present as metastases from tumors in other extracardiac organs. Primary cardiac tumors are relatively rare tumors, with a prevalence rate of 0.002 to 0.33%. Myxomas, which commonly occur in the left atrium, are the most frequent benign primary cardiac tumors. Angiosarcomas are the most common primary malignant cardiac tumors. A 63-year-old female patient who had exertional dyspnea presented to the clinic. After the detection of an invasive mass on the wall of the right atrium from the test results, the case was initiated following sternotomy, with aortic and peripheral venous cannulation. The right atrium was opened, and the tumor was dissected broadly from the normal tissue of the atrium wall. The right atrial defect was reconstructed with a pericardial patch. After extensive tumor resection and repair with a pericardial patch, the patient was transferred to the intensive care unit with inotropic support. The pathology result of the excised material was reported as angiosarcoma. The patient was discharged on the seventh postoperative day and continued with chemoradiotherapy. Cardiac tumors are rare, and angiosarcomas, which are more commonly observed on the right side of the heart, account for 25 to 30% of primary cardiac malignancies. Surgical resection of primary cardiac angiosarcoma is the primary treatment approach. Full resection of the tumor offers long-term survival for the patients. Reconstruction of cardiac structures may also be necessary after wide resections.

Keywords: Angiosarcoma, cardiac tumors, myxoma.

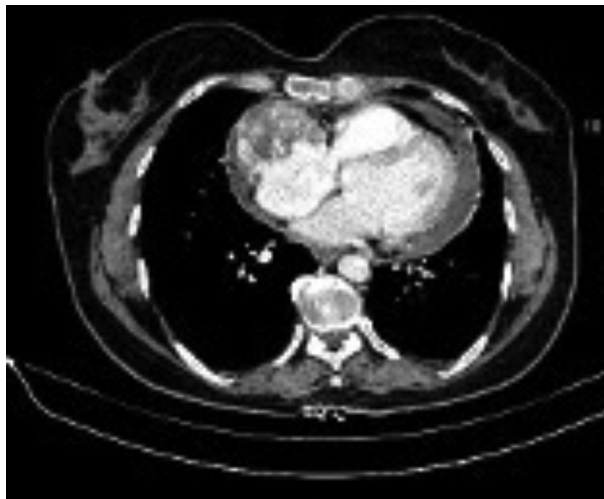


Figure 1. Preoperative computed tomography showed a right atrial mass.

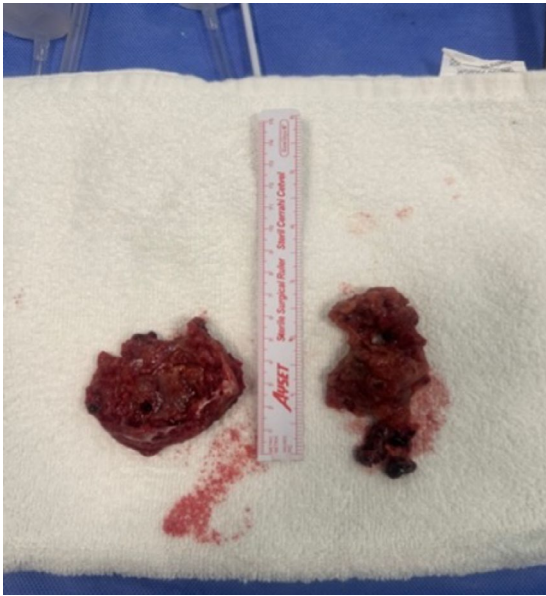


Figure 2. Macroscopic photograph of the resected tumor.

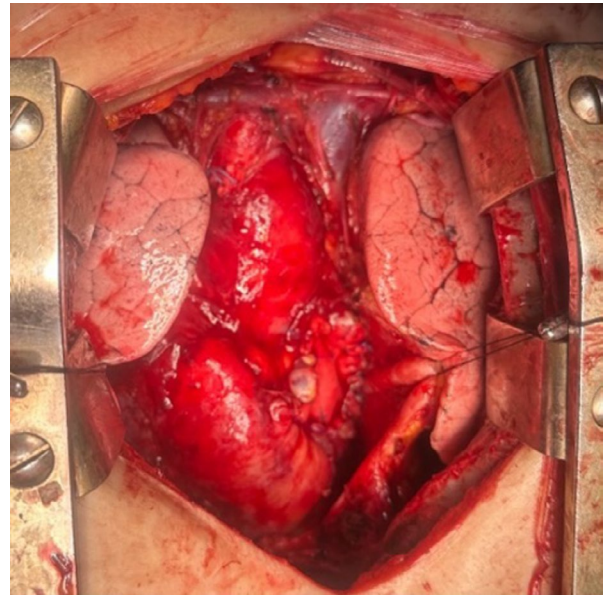


Figure 3. The right atrial wall was repaired with a pericardial patch.

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