Totally Thoracoscopic Excisionof Left Atrial Myxoma

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Objective

We present our first experience of totally thoracoscopic excision of left atrial myxomathrough the three ports

Methods

Two patients with left atrial myxoma were treated: 1 woman and 1 man. The average age of the patients was 47 years, the average weight was 72 kg. Three ports are located on the right side of the chest; The aorta was clamped transthoracically and myocardial protection achieved with antegrade cardioplegia. Peripheral cardiopulmonary bypass was used.

Results

Both surgeries were successful, with no hospital deaths and no brain damage. The dimensions the left atrial myxoma in the first patient were 4 × 6 cm, in the second - 3 × 5 cm.After excision of the myxoma, the inter-atrial septum was closed with autopericardial patch. The average duration of cardiopulmonary bypass was 249.6 ± 26.3 minutes, the time of aortic clamping was 80 ± 14.8, the stay time in the intensive care unit was 16.7 ± 2.2 hours, the time of mechanical ventilation was 131.2 ± 78,6 minutes, postoperative hospital stay 8.1 ± 1.5 days.After 72 hours, one patient had atrial flutter; after treatment with antiarrhythmic drugs, sinus rhythm was restored. Transthoracic echocardiography results were satisfactory before discharge

Conclusions

Totally thoracoscopic excision of left atrial myxoma wasfeasible and safe. Long term follow-up is needed

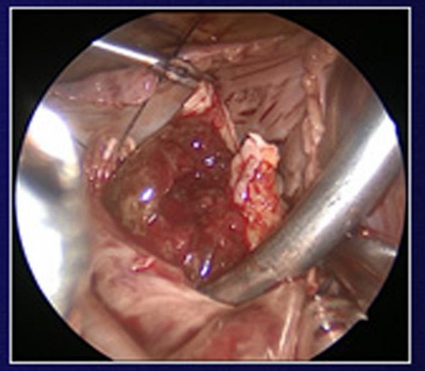


Figure 1 -myxoma of the left atrium

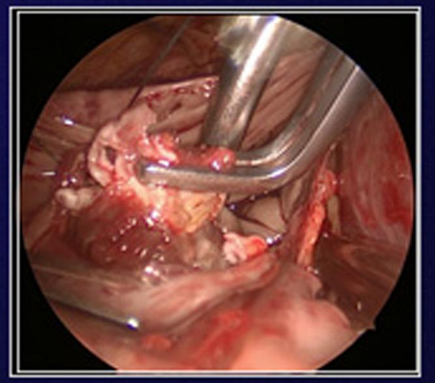


Figure 2– removal of myxoma from the left atrium