



IMAGE IN CARDIOLOGY

## Cardiac papillary fibroelastoma

### Fibroelastoma papilar cardíaco

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Received 2 January 2015; accepted 2 January 2015

Available online 4 July 2015

A 41-year-old man presented to the cardiovascular department with paroxysmal twinges in the left chest for three days. The initial chest radiograph, 12-lead electrocardiogram and laboratory findings were unremarkable. Transthoracic echocardiography revealed a 10.6 mm × 8.3 mm mobile mass attached to the anterior mitral leaflet



**Figure 1** Transthoracic echocardiography revealing a 10.6 mm × 8.3 mm mobile mass attached to the anterior mitral leaflet.

(**Figure 1**). Because of the potential systemic embolic risk, the patient was referred for complete surgical removal. On operative inspection, the lesion was between the anterior mitral leaflet and primary chordae (**Figure 2**). A mitral valve repair (28 mm ring annuloplasty, triangular resection of the anterior leaflet and new chordae formation) with complete excision of the mass was undertaken. The mass had a sea-anemone appearance with frond-like projections after immersion in saline solution (**Figure 3**). The histopathologic examination confirmed a papillary fibroelastoma. The patient's postoperative course was uneventful. Six months after the operation, the patient's clinical findings were



**Figure 2** On operative inspection, the lesion was between the anterior mitral leaflet and primary chordae.

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**Figure 3** The mass had a sea-anemone appearance with frond-like projections after immersion in saline solution.

normal, without evidence of recurrence by transthoracic echocardiography.

## Ethical disclosures

**Protection of human and animal subjects.** The authors declare that no experiments were performed on humans or animals for this study.

**Confidentiality of data.** The authors declare that no patient data appear in this article.

**Right to privacy and informed consent.** The authors declare that no patient data appear in this article.

## Conflicts of interest

The authors have no conflicts of interest to declare.