Images in cardio-thoracic surgery

Aneurysmal bone cyst of chest wall

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A 43-year-old female, presented with left-sided chest pain since 1 year. The chest roentogram suggested left posterior mediastinal mass involving ribs. Computed tomography-scan and guided-FNAC (fine needle aspiration cytology) suggested a benign giant cell lesion, the differentials being ABC and giant cell tumor. Wide excision of tumor was performed (Figs. 1 and 2). Histopathology showed an encapsulated bony mass 17 x 12 x 8 cm suggestive of ABC.

Fig. 1. Computed tomography scan showing expansible mass arising from posterior part of left 5th/6th rib causing destruction of transverse process and left half of body of 5th dorsal vertebra with large intra-thoracic posterior mediastinal component.

Fig. 2. Microphotograph showing multiloculated cavities with extensive haemorrhage, hyalinization and reactive bone formation suggestive of aneurysmal bone cyst.

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