

Primary Lung sarcoma mimicking left atrial myxoma

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Abstract

A 32 yr female was referred for surgery for Left atrial myxoma based on symptoms of dyspnea on exertion , palpitations and echocardiography revealing a left atrial mass , mostly likely a left atrial myxoma. On chest X ray , there was right lower lobe white out which instigated the need to perform a CT chest. On CT Chest a 10.9x14.2x13.6 cm (APxTRxCC) cm heterogenously hypodense mass was seen along the posterior and inferior aspect of right hemithorax. It showed multiple vascular channels within it and broad base towards posterior pleura. It had ill defined planes with left atrium and extension into the left atrium through right inferior pulmonary vein. It was causing compression of right descending pulmonary artery and right lower lobe bronchus with collapse of right lower lobe. Likey etiology was sarcomatous/malignant vascular mass. Patient was transferred to oncology department for further management

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Abstract- 145 words

Key word: left atrial myxoma, Pulmonary sarcoma ,Primary lung tumor entering heart

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Case summary

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Metastatization of pulmonary neoplasm to the left atrium has been well documented, particularly in patients with primary lung cancer.(1) (2)

LA invasion usually occurs by two main mechanisms, including direct infiltration of myocardial tissue by contiguity and extension into the left atrium via the lymphatics and/or the pulmonary veins .(3)

In our case there is LA invasion via the pulmonary veins of right lung sarcoma.

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Figure 1 . CT CHEST image showing right lung lower lobe mass



Figure 2 :CT Chest image showing right lung lower lobe mass entering the left atrium through pulmonary vein

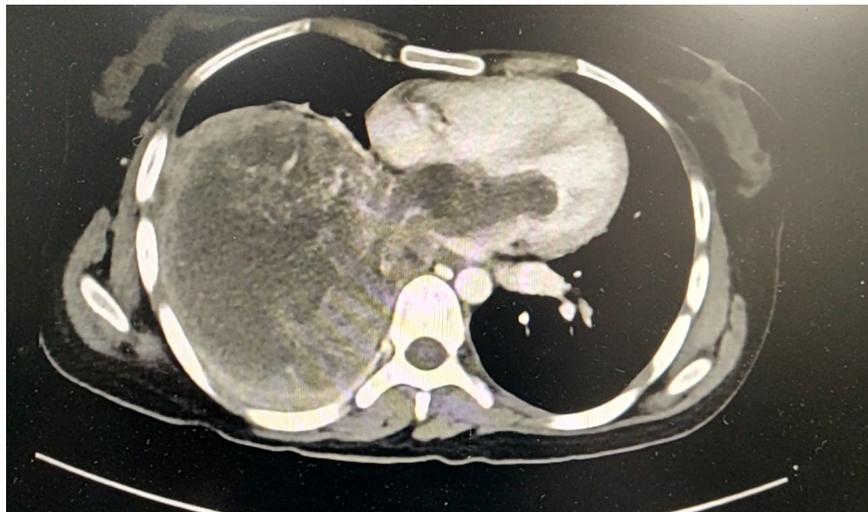


Figure 3 : CT CHEST image showing right lung lower lobe mass and left atrial mass mimicking a left atrial myxoma

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- Human rights : Not applicable

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