

Massive Benign Metastasizing Leiomyoma: A Case Report

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INTRODUCTION:

Benign metastasizing leiomyoma (BML) is a rare condition in which benign soft tissue tumors, typically uterine fibroids, spread distantly to the lung. It often occurs during the reproductive age following myomectomy or hysterectomy. In rare instances, it can occur without prior surgery, as observed in this case.

REPORT:

A 48-year-old woman, who had completed treatment for right distal femur chondrosarcoma 14 years ago, presented with cough and pleuritic chest pain. Plain radiographs of the chest revealed large pleural-based masses in both lungs. Further imaging with chest computed tomography showed bilateral pleural masses with density similar to skeletal muscle.

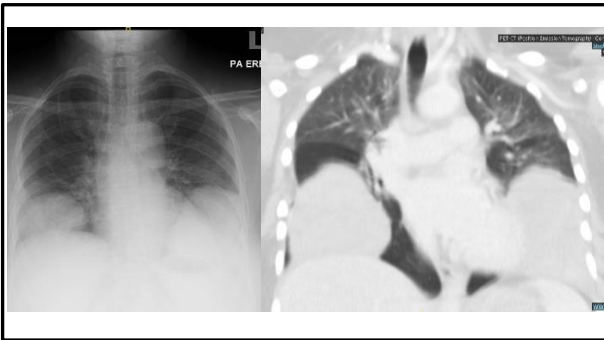


Figure 1: Massive bilateral pleural-based masses observed on chest X-ray (left) and thorax computed tomography (right)

If a new lesion occurs after 2 years of remission from the primary malignancy, a second primary malignancy should be suspected. A biopsy was planned due to diagnostic uncertainty, and histopathological examination revealed a benign spindle cell lesion suggestive of leiomyoma. Subsequent investigation with

transabdominal ultrasonography showed an anterior intramural fibroid.

She is scheduled for tumor resection due to its size and the potential for it to grow larger and compromise lung function. However, given the risks associated with surgery, she is currently undergoing a trial of triptorelin, a gonadotrophin-releasing hormone agonist, in the hope that the tumor will shrink and facilitate the surgery.

DISCUSSION:

Due to the rarity of the disease, there is no unified treatment consensus for BML. Hormonal manipulation is one treatment option. The prognosis is usually favorable due to the indolent nature of the tumor.

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