

Rare Case Of Metastatic Adenocarcinoma To Musculoskeletal Tissue

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INTRODUCTION:

Metastasis to soft tissue is rare, and the pathogenesis remains unclear. Soft tissue metastases have varied presentations with few cases reported. According to previous studies, metastasis to soft tissue mostly occurs in lung cancer, followed by kidney and colon cancers. This reports a case soft tissue metastases presented as multiple upper limb and lower limb swelling.

REPORT:

A case of 63 years old male presented with multiple upper limb and lower limb swelling for 3 months. Started as pea-sized which gradually increasing in size. The swelling was hard and associated with paresthesia. There were constitutional symptoms with significant weight loss of 12kg in 3 months duration.

Clinically there are swellings over right forearm, left arm and right thigh which are hard, mobile and tender. MRI was subsequently carried out over the right forearm which is isointense on T1 and heterogeneously hyperintense with hypointense rim on T2 compared to the adjacent muscles which lead to a diagnosis of metastatic carcinoma

A tru-cut biopsy of the right forearm was carried out after the MRI reveals greyish slimy tissue. Histopathology report confirmed the diagnosis of metastatic adenocarcinoma. Further CT scan concluded the primary tumor was from the lungs. The patient currently ongoing medical treatment.

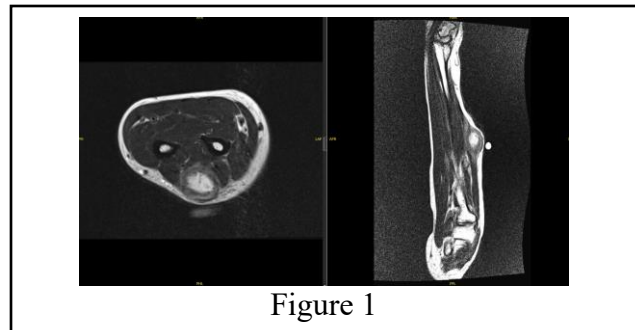


Figure 1: T2 MRI images of right forearm

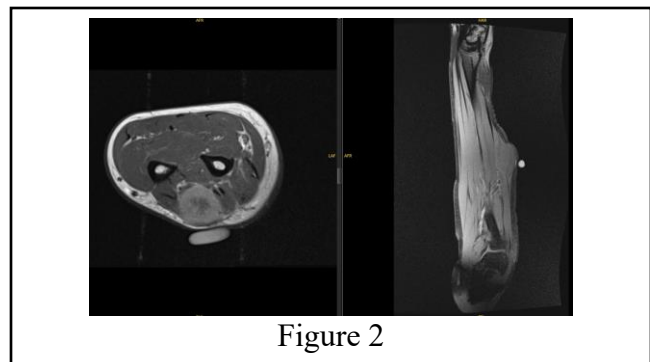


Figure 2: T1 MRI images of right forearm

CONCLUSION:

Orthopaedic surgeons should keep in mind that lung adenocarcinoma may present as a soft tissue sarcoma at the time of initial diagnosis. Rapid growth of skin nodules is an alarming sign of metastasis. Additionally, the significant weight loss indicated a possible malignancy. Timely biopsy of the nodule is important in establishing diagnosis and initiating therapy.

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