

SYNOVIAL SARCOMA WITH PULMONARY METASTASIS MIMICKING COVID-19 RELATED PNEUMONIA

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INTRODUCTION:

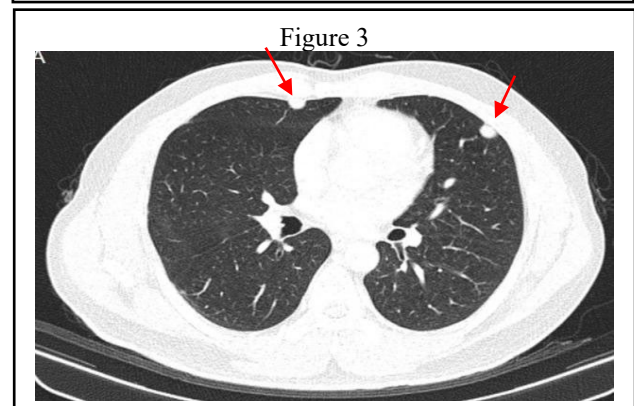
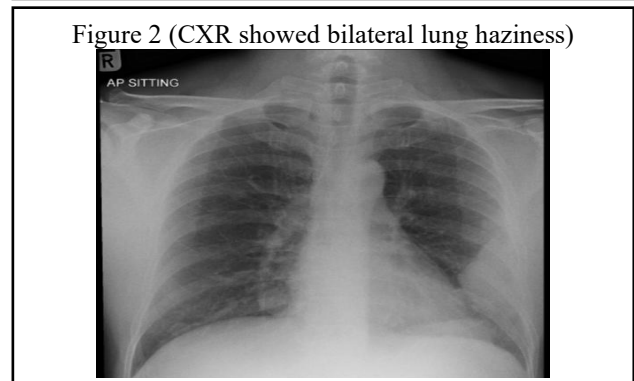
Synovial sarcoma is a malignant soft tissue sarcoma and is considered an aggressive tumor and high risk of lung metastasis up to 70%. Covid 19 pandemic due to severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infected nearly half billion of people. Due to their close similarity of clinical presentation, synovial sarcoma with lung metastasis might mimicking Covid-19 related pneumonia and caused delayed in treatment.

REPORT:

A 40y/o, gentleman with known left foot synovial sarcoma, presented with complaint of shortness of breath and productive cough for few weeks. He also complaint of loss of weight but no loss of appetite. He has been diagnosed with left foot synovial sarcoma (FNCLCC grade 3) 1 year ago and had undergone left below knee amputation (figure 1). During this admission, his chest x-ray showed bilateral lung haziness, suspicious of Covid 19 related pneumonia. However, Covid-19 testing do not detect SARS-CoV-2. He was then treated as community acquire pneumonia (CAP)(Figure 2) and was discharged home after completed antibiotic. Few weeks later, he proceeded to contrast enhanced computed tomography (CECT) thorax, abdominal and pelvis (TAP) showed multiple subpleural and lung nodules in both lungs. (Figure 3)
Subsequently, he defaulted chemotherapy in view of financial and logistic issue.

CONCLUSION:

In conclusion, synovial sarcoma with pulmonary metastasis presentation can mimic Covid 19 related pneumonia amid of this pandemic. Therefore, high index of suspicion must be given to patients with history of malignancy. Precise history and physical examination is crucial for early diagnosis and treatment.



Despite the poor prognosis, palliative chemotherapy is the common treatment. Early intervention can prolonged the life expectancy and quality of life.

REFERENCES:

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