

## Images in clinical medicine



# Thoracic extramedullary hematopoiesis: a rare clinical image

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## Thoracic extramedullary hematopoiesis: a rare clinical image

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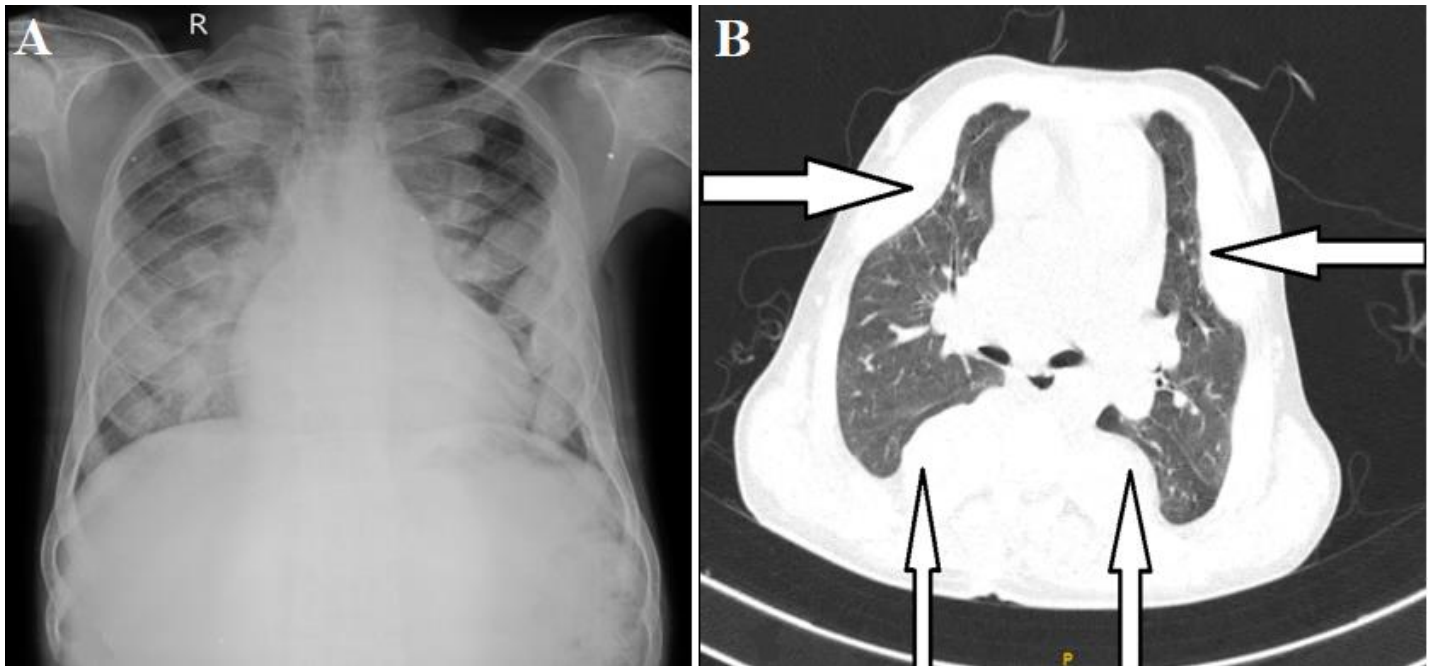
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## Image in medicine

A 22-year-old male presented to the outpatient department with complaints of fever, cough with expectoration, and breathlessness for the past 8 days. The patient is a known case of thalassaemia major with a history of splenectomy 10 years back. Chest X-ray showed bilateral homogenous shadows with suspicion of eosinophilic pneumonia, septic emboli, or metastases to the lung. Computed tomography of the thorax showed multiple well-defined para-osseous soft tissue density masses suggestive of thoracic extramedullary hematopoiesis. Chronic anemia may lead to extramedullary hematopoiesis due to

failure of erythropoiesis in the bone marrow. Etiology includes myeloproliferative disorders and hemoglobinopathies. These masses are usually hypervascular and fine needle aspiration is

preferred over biopsy. Treatment modalities include excision, radiotherapy, and repeated blood transfusion to decrease extramedullary hematopoiesis.



**Figure 1:** A) chest X-ray of the patient showing homogenous opacities with splaying of the ribs bilaterally; B) computed tomography of the thorax with white arrow showing sites of extramedullary hematopoiesis