



Swetha Kannan

Gulf Medical University
UAE

A case of non specific interstitial pneumonia and granulomatosis as pathological findings due to an immune response to previous talc pleurodesis: A case report

Abstract:

This case report details a challenging case of a 36-year-old female with a history of Hodgkin's lymphoma treated with bleomycin, complicated by recurrent pneumothoraces managed with talc pleurodesis. Subsequent histopathological findings revealed non-specific interstitial pneumonia (NSIP) and granulomatosis, suggesting a potential link to talc-induced immune reactions. The patient's journey was marked by diagnostic uncertainty, including initial misdiagnoses such as pleuroparenchymal fibroelastosis (PPFE), prompting her to seek multiple consultations for clarity on her condition. Management strategies included steroid therapy and a trial of mycophenolate mofetil (Cellcept) to address her symptoms and potential immune-mediated complications post-talc pleurodesis. The case highlights significant diagnostic challenges posed by talc-induced ILD and emphasizes the importance of thorough histopathological evaluation and clinical correlation in such cases. This report advocates for expanded research into the immunological mechanisms underlying talc-induced ILD and underscores the need for longitudinal studies to assess the long-term implications of pleurodesis procedures. Such investigations are crucial for refining treatment approaches and improving prognostic outcomes for patients facing similar complexities. In conclusion, this case contributes to the evolving understanding of talc-associated pulmonary complications, urging continued vigilance and comprehensive management strategies to optimize patient care and outcomes in the face of talc-induced interstitial lung disease.

Biography

Swetha is a fourth year medical student in UAE. She has authored a book at the age of 18. She has published six medical papers and presented her papers at several international medical conferences.