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A case of primary N K/T cell lymphoma in the lung

Fever is one of the common symptoms of respiratory diseases. However, fever due to pulmonary primary NK/T cell lymphoma is rare. We present a case of primary N K/T cell lymphoma of lung due to fever, which broadened the thinking of diagnosis of fever patients.A 19-year-old male was admitted to hospital complaining of recurrent fever for 1 month. A month ago, the patient developed fever without obvious causes, with the highest temperature of 39.6°C. Fever was more obvious at night, accompanied by dry cough, night sweats and chills.He gradually developed pain in the left thigh and general fatigue. He had black stool three days ago. Physical examination: T 38.4°C, P 175 times/min, R 25 times/min, BP 98/52mmHg, non-pitted edema of extremitieses.PET/CT: Changes in body muscle shape and density, uneven increase in metabolic activity; diffuse nodules in both lungs and bilateral pleural thickening with pleural effusion; systemic subcutaneous soft tissue swelling. Laboratory examination indicated abnormal coagulation function, abnormal myocardial enzyme pattern, abnormal muscle enzyme pattern, abnormal liver function, hypoproteinemia, electrolyte disturbance. Bone marrow puncture:active proliferation of granulation system with more granulation, easy to see histopathocyte and hemophagy. Bone marrow biopsy: active bone marrow hyperplasia; granulocyte and rythrocyte system hyperplasia are active, easy to see the middle and late young erythrocyte clusters; plasma cells, lymphocytes and tissue phagocytes can be seen. On the 10th day, the patient developed hard subcutaneous nodules on the left frontal face, right upper limb, and abdomen. Subcutaneous nodules biopsy was performed. On the 14th day,he had cavity organ perforation and multiple organ failure. He was dead eventually. Follow-up results:bone marrow B cell clonal rearrangement test showed that there was a monoclonal peak in the detection range of B cell clonal rearrangement. Biopsy of subcutaneous nodules suggest N K/T cell lymphomas .

Biography:

Mi Zhou is a Medical doctor, phD candidate and works as a doctor in the department of respiratory and critical care medicine, the First Affiliated Hospital of Chongqing Medical University, Chongqing, China. She is very enthusiastic in exploring pathogenesis and clinical treatment of lung cancer and interstitial lung diseases, to provide a better therapy for her patients. Moreover, she specializes in the treatment of critically ill patients in respiratory medicine.

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