



SKIN MANIFESTATIONS OF INTERNAL DISEASE

## ALK-POSITIVE ANAPLASTIC LARGE CELL LYMPHOMA WITH SKIN MANIFESTATION MIMICKING OTHER DERMATOLOGICAL DISEASE

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**Background:** Systemic anaplastic large cell lymphoma (ALCL) is a subset of non-Hodgkin lymphomas, characterized by large CD30+ anaplastic cells, which have a predilection to invade lymph node sinuses. Anaplastic lymphoma kinase positive (ALK+) ALCL is an ALCL that expresses CD30+ and protein kinase, which is ALK. This lymphoma more commonly seen in children and young adults with a median age of 30 years. Extranodal sites frequently occur with the most common locations are skin, bone, soft tissue, lung, and liver. Skin manifestations are not specific and usually manifest as tumors, nodules, and ulcers. The objective of this report is to discuss a rare case, ALK+ ALCL which have unspecific skin manifestations and may resemble other diseases.

**Observation:** A 19-year-old female, presented with a tender tumor lesion on her left wrist which became larger over time. Since two weeks prior to consult, smaller tender lesions also appeared on the face, neck, trunk, and thigh, accompanied with fever, cough, arthralgia, and weight loss without lymphadenopathy. On physical examination, multiple, discrete crusted tumors and nodules were seen, distributed on the face, trunk, and extremities. Thus initially suspected as cryptococcosis and bacillary angiomatosis. Fungal culture was negative. Skin biopsy showed abundant of hyperplastic atypical cells which infiltrated the dermis. Immunohistochemistry examination showed positive for CD30+, ALK, EMA, and granzym. Patient eventually died due to suspected brain and pulmonary metastases before chemotherapy for lymphoma was began.

**Key message:** Dermatologist must know that ALK+ ALCL has unspecific skin manifestations and may mimic other dermatological diseases. The importance of timely diagnosis is to improve survival rate.

