

CASE 063

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TITLE: Anaplastic Lymphoma Kinase (ALK)- Positive Large B-cell Lymphoma (ALK+ LBCL).

HIGHLIGHT OF THE CASE:

An extremely rare form of a B cell non-hodgkin lymphoma (NHL) with characteristic and unusual immunophenotypic features.

CLINICAL PRESENTATION:

A 42-year old male presented with complaint of chest pain of one and half month duration. On clinical examination, he had palpable bilateral cervical, left supraclavicular, left pre-auricular, right axillary, bilateral inguinal and epitrochlear nodes and splenomegaly. Computed Topography (CT) chest revealed bilateral paratracheal, superior mediastinal and left hilar lymphadenopathy. Excision biopsy of left cervical lymph node was performed and sent for histopathological examination.

HISTOPATHOLOGY AND IMMUNOHISTOCHEMISTRY:

Microscopic examination of H&E stained slides revealed diffuse effacement of nodal architecture by large round cells with vesicular nuclei, prominent nucleoli and moderate amount of amphophilic cytoplasm arranged in cohesive clusters and involving sinusoids of the lymph node. Scattered cells with plasmacytoid morphology and frequent binucleated and multinucleated forms were also identified. Background population was comprised of numerous mature lymphocytes, plasma cells and occasional scattered eosinophils.