

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 54244

Manuscript Type: CASE REPORT

Central nervous system relapse in a pediatric anaplastic large cell lymphoma patient with CLTC/ALK translocation treated with alectinib: A case report

Jing Yang, Jun Li, Wei-Yue Gu, Ling Jin, Yan-Long Duan, Shuang Huang, Meng Zhang, Xi-Si Wang, Yi Liu, Chun-Ju Zhou, Chao Gao, Hu-Yong Zheng, Yong-Hong Zhang

Abstract

BACKGROUND

The aberrant expression of the anaplastic lymphoma kinase (ALK) gene in ALK-positive (ALK+) anaplastic large cell lymphoma (ALCL) is usually due to t(2;5)/NPM-ALK. However, rarely, aberrant ALK expression can also result from a rearrangement of the ALK gene with various partner genes. CNS metastasis is very rare in ALK+ALCL.

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Anaplastic large cell lymphoma (ALCL) is a rare type of peripheral T **cell lymphoma** that can be characterized by the presence or absence of the **anaplastic** lymphoid kinase (**ALK**) expression. Although relapses are uncommon and **treated** with standard of care brentuximab, toxicities associated with primary treatment can limit the **patient's** options ...

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Apr 26, 2018 · **Anaplastic large cell lymphoma** (ALCL) is the most common **pediatric** peripheral T-cell **lymphoma**, accounting for 10–15% of **pediatric** non-Hodgkin **lymphoma**. Patients with **pediatric** ALCL commonly present at an advanced stage of disease and, unlike adult ALCL, the majority of **pediatric** cases demonstrate overexpression of **anaplastic lymphoma kinase** ...

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[\(PDF\) Pediatric Anaplastic Large Cell Lymphoma—A Review](#)

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A 59-year-old woman with **anaplastic large cell lymphoma** (ALCL), ALK-negative, was **treated** with brentuximab vedotin (BV) against **relapse** after 6 regimens of systemic chemotherapy and radiation.

[Anaplastic large cell lymphoma: pathology, genetics, and ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6144189>

Dec 27, 2017 · **Anaplastic large cell lymphoma** (ALCL) was first described in 1985 as a **large-cell** neoplasm with **anaplastic** morphology immunostained by the Ki-1 antibody, which recognizes CD30. In 1994 the nucleophosmin (NPM)-**anaplastic lymphoma kinase** (ALK) fusion receptor tyrosine

Anaplastic large-cell lymphoma

Anaplastic large-cell lymphoma is a form of cancer. It is a type of non-Hodgkin lymphoma involving aberrant T cells or null lymphocytes. The term anaplastic large-cell lymphoma encompasses at least four different clinical entities with the same name, which on histological examination share the presence of large pleomorphic cells that express CD30 and T-cell markers. Two types of ALCL present as systemic disease and are considered as aggressive lymphomas, while two types present as localized disease and may progress locally. Anaplastic large cell lymphoma is associated with various types of medical implants.

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