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Complete response in anaplastic lymphoma kinase-rearranged oncocytic thyroid cancer: A case report and review of literature

de Salins V *et al.* Crizotinib in ALK-rearranged oncocytic thyroid cancer

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Abstract

BACKGROUND

Oncocytic carcinoma of the thyroid is a rare disease, characterized by a poor prognosis and low response rate to radioiodine therapy. Crizotinib is a specific anaplastic lymphoma kinase (ALK) inhibitor, which was initially developed in non-small cell lung cancer. Other solid tumors harboring a translocation in ALK have been described, such as renal carcinoma, thyroid, colorectal, ovarian cancers, and spitzoid melanoma. The research of ALK rearrangements in thyroid tumor is a promising therapeutic track, and treatments need to be explored.

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Here we present the first report, to our knowledge, of an ATC with rearranged anaplastic lymphoma kinase (ALK) with an excellent response to crizotinib treatment. **Case Report** A 71-year-old woman with no history of exposure to ionizing radiation presented with a rapidly growing right cervical tumor that was associated with mild dysphagia.

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Remarkable Response to Crizotinib in Woman With Anaplastic Lymphoma Kinase–Rearranged Anaplastic Thyroid Carcinoma Introduction Anaplastic thyroid cancers (ATCs) are rare, representing around ... **Case Report** A 71-year-old woman with no history of exposure to ionizing

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Background. **Anaplastic lymphoma** kinase (ALK) translocation was first reported in a distinct subset of **anaplastic** large cell **lymphoma**, which is a rare subtype of T-cell **lymphoma** []. Subsequently, ALK rearrangements have been found in various types of neoplasm, such as inflammatory myofibroblastic tumor, the diffuse large B-cell **lymphoma**, plasmacytoma, non ...

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Genetics of **anaplastic thyroid cancer**. The MAP kinase and PI3 kinase pathways are commonly activated in **thyroid cancer**. The common driver mutations that are seen in ATC are the same as those in DTC, as these tumors are usually derived from this class of tumor, particularly papillary, follicular, and Hurthle cell **thyroid** cancers.

Cited by: 2**Author:** Maria E. Cabanillas, Mark Zafereo, Mic...**Publish Year:** 2018

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A rapidly enlarging mass in the **thyroid** is rare in incidence but usually an oncology emergency.