Introduction

The NK/T lymphoma of nasal-type is a rare disease, presented more frequently in men between the ages of 50 and 60 years old [3], they represent almost 6-7 % of all non-hodgkin's lymphoma (NHL) and it's mostly found in regions like the Southeast of Asia, this percentage changes in the United States reaching 1.5%, in Mexico there has been reports of a high prevalence in respect to other regions, nevertheless more precise statistics are needed [4,5]. There's a lot unknown in respect to its etiopathogenesis and it comprehends a variety of oncogenic paths, its development is associated invariably to the Epstein-Barr Virus [6]. The diagnosis of such disease is made after clinical suspicion, they can have nasal obstructive symptoms, necrotic lesions and diverse upper airway symptoms by compression of adjacent structures and general symptoms, the approach covers a broad spectrum of extensive studies where we can highlight the PET scan [6,7]. The golden standard are the morphological findings (polymorph infiltration of atypical lymphoid) and immunohistochemistry (CD2, CD56, cytoplasmic CD3, granzyme B, TIA-1, and perforina) taking from 6 to 8 biopsies from different places due to the usual existing necrosis and if possible identify the charge of the Epstein-Barr virus that also has a biomarker prognosis implication [5,8]. Regarding treatment there're still research about it, in phase I/II studies the preference is a combination of radiation therapy with chemotherapy [3].

For phase III/IV studies Chemotherapy is the foundation of the treatment. The principal agent in Chemotherapy is L-asparaginase, currently there are no conclusive data about immunotherapy or hematopoietic Stem cells [6,8]. The role of the human immunodeficiency virus in combination with said neoplasia seems to cause a rapid progression of the disease without definition of the etiopathogenic paths, there exist only a few reported cases [9,10].

Case Presentation

Mexican male of 48 years old without oncological family history, without precedents of chronic diseases or use of medicines and denial of history of STDS risk, goes to check up due to progressive dysphagia to solids, halitosis, nasal voice, nausea, fever, weight loss of over 10% body weight, asthenia and adynamia. Oral cavity exploration with necrotic ulcer in soft palate, posterior green-greenish discharge, congestive turbinates, otoscopy revealed hypomobility of both tympanic membranes, rest of exam without relevant findings. Laboratory studies reveal pancytopenia. Tomography reveals enlargement of the mucous of the left maxillary antrum, the ethmoidal cells and the left sphenoid sinus; In abdomen the image revealed multiple renal calcifications and splenomegaly. ELISA and Western Blot positive for HIV. A biopsy of the nasopharyngeal tumor is taken and it reports NK/T lymphoma of nasal-type with positive...
The role of EBV is not frequent in immunocompetent patients [12], has not been found as reported by Catteneo et al., Nevertheless there are some cases in which association with NK/T lymphomas 165 times in comparison to immunocompetent [10], In that regard there's still a lot of information lacking on the lymphotropic role mechanisms are known, and the invariable relation to EB virus [6], with HIV infection [9-11]. Even though some of its etiopathogenesis mechanisms are known, and the invariable relation to EB virus [6], there's still a lot of information lacking on the lymphotropic role of HIV. The intermediate and high grade lymphomas are the most frequent ones in HIV patients, the frecuente can increase up to 165 times in comparison to immunocompetent [10], In that regard there are some cases in which association with NK/T lymphomas has not been found as reported by Catteneo et al., Nevertheless the role of EBV is not frequent in immunocompetent patients [12], which is why most fatalities can be associated to a synergy of viral mechanisms and a state of immunosuppression. It’s important to broaden the study of such a cases to anodize the variables that could interfere with the correct statistic rigor to determine possible associations. The lack of information on the subject could affect the survival or complications of the patients such as the one presented.

**Conclusion**

It’s unknown in its entirety the pathogenesis of the NK/T nasal-type extranodal lymphoma cells, it is known that is strongly associated with the infection of Epstein-Barr virus and a more aggressive course in immunocompromised patients, like in this case, there should be more research to determine if there is a pathogenic relation between TNK lymphoma and HIV to explain the results found in the literature.

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**References**