Dedication

To my parents: " May your ceiling never fall in and those who live beneath it never fall out !"

To my inspiring small family my Daughters, son and husband.

To my teacher Ustaz Khalid Mohammed El Hassan.

To my colleague Saria , may her soul rest in peace !

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Abstract

This is a retrospective study conducted in Khartoum State, during the period from May to August 2005. The objective of this study is to investigate patients who developed amyloid deposition associated with lymphoma of different types.

Fifty specimens (biopsies) were collected from patients with different lymphoma types.

The results showed deposition of Amyloid in 22 (44%) of the different lymphoma types. Among these, 8 (16%) were Hodgkin's Lymphomas, 2(4%) were Non Hodgkin's Lymphomas, 2(4%) were Burkett's Lymphoma, 1(2%) was large Cell Lymphoma and the remaining 9(18%) were other different types of Lymphomas.

Amyloidogenic materials were found to be associated with the most forms of lymphomas. Certain types of lymphomas (Hodgkin's and Burkett's) revealed more concentrations of amyloidogenic materials than others.

Thus investigation of lymphoma patients for amyloid deposition are highly recommended.

Further advanced studies are to be implemented to disclose the relation between the amyloid and lymphoma according to the causes.

الملخص

اعدت هذه الدراسة بأثر رجعى فى ولاية الخرطوم فى الفترة ما بين مايو الى اغسطس 2005 لاختيار وجود مادة الاميلويد فى الانسجة المصابة بسرطان اللمف (سرطان الغدد اللمفاوية).

تم جمع خمسين عينة (خزعة نسيجية) من مرضى مصابين بانواع مختلفة من سرطان اللمف. اظهرت الدراسة ترسب مادة الاميلويد فى 22 (44%) من مختلف عينات سرطان اللمف. بين هؤلاء كان هنالك 8 (16%) هودجكن، 2(4%) غير-هودجكن، 2 (4%) سرطان لمف بيركيت، 1(2%) سرطان اللمف ذو نمط الخلايا الكبيرة، و البقية 9 (18%) من انواع مختلفة من سرطان اللمف .

توصلت الدراسة الى ان مواد الاميلويد لها علاقة بغالبية أنواع سرطان اللمف. بعض انواع سطان اللمف (مثل الهودجكين و البيركيت)اظهرت وجود كمية اكبر من الاميلويد من سرطان اللمف.

بناءً على ذلك فان اختبار مرض سرطان اللمف لترسب الاميلويد يطلب بشدة. كما توصى الدراسة بضرورة ان ينتبه البحث العلمى فى هذا المنحى الى محاولة اظهار العلاقات بين الاميلويد و اللمفوما حسب مسببات المرض.

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