

Dedication

***To the soul of my father, the only hero I ever had-the greatest man I
ever knew.***

To my beloved mother

To my siblings Hisham, Yassir, Ammar, Mohammed and

Tota

To the sweetest nephew in the world Abdulrahman

Acknowledgment

My great indebtedness should be extended to all those who helped me to accomplish this work, as without their great efforts exerted this thesis would have never seen light.

My special gratitude goes to my supervisor Dr. Hussain Gad El Karim Ahmed for his so generously given time and sincere efforts to fulfill this work.

I must acknowledge my vast indebtedness to my teacher and my friend Mrs. Sara Abulgasim Saeif Eldin who helped me in most of the computer works, my friend Samwal Awad, senior technologist of histopathology and cytology laboratory, Omdurman teaching hospital, my colleagues Mohmoud Alawad and Hesham Alwaseela and my friends of the Laboratory Import and Export Company, Ihab and Emam who provided me with stains and instruments.

This acknowledgment should have seen no ends without crossing at the great efforts of Dr. Ahmed Omer Almubarak, consultant cytopathologist Of Alribat National Hospital, who performed most of the fine needle aspirations.

At last but not the least, many thanks for my colleague, Fatima Omer of Ahmed Omer Almubarak clinic, who helped me in specimens collection.

Abstract

This is a descriptive study conducted in Khartoum State, during the period from October 2008 to March 2009. The objective of this study was to identify the common causes of pediatric lymphadenopathy by FNAC.

One hundred specimens (aspirates) were collected from pediatric patients, younger than 15 years old, with lymph node enlargement at different body sites.

The results showed predominance of benign lesions (90%). Among these, 64 (64%) were reactive nodes and 26 (26%) were granulomatous lymphadenitis.

Malignant nodes constituted 10 % of the aspirates, among which non-Hodgkin`s lymphoma was ranking at the top (7%) followed by Hodgkin`s lymphoma (3%). This study showed that lymphomas are rare before 10 years of age.

Thus performing fine needle aspiration is highly recommended before excision biopsy is taken.

Further ancillary techniques should be implemented to disclose a differential diagnosis of lymphadenopathy.

الملخص

هذه دراسة وصفية أجريت في ولاية الخرطوم في الفترة ما بين اكتوبر 2008 الى مارس 2009 لاختبار أسباب تضخم العقد الليمفاويه عند الأطفال باستخدام تقنية الرشق بالابر الدقيقة.

تم جمع مائة عينة عن طريق الرشق بالابر الدقيقة من مرضى يعانون من تضخم العقد الليمفاويه في مختلف انحاء الجسم.

اظهرت الدراسة ان تضخم العقد الليمفاوية في 90 (90%) من مختلف عينات الخلايا كان لأسباب حميدة. كان من بين هؤلاء 64 (64%) التهاب غير محدد، 26 (26%) التهاب مزمن (بكتريا الدرن)، 10 (10%) سرطانات، منها، 7 (7%) غير هودكين، و البقية 3 (3%) هودكين ليمفوما. كما اظهرت الدراسة ان الاصابه بسرطان العقد الليمفاويه نادرة في الاطفال أقل من عمر 10 سنوات.

بناءً على ذلك فان الرشق بالابر الدقيقة يجب أن يطلب بشدة قبل اخذ خزعه نسيجية. كما توصى الدراسة بضرورة توجيه البحث العلمى فى هذا المنحى الى محاولة التشخيص الدقيق باستعمال التقنيات المتطورة المناسبة كالموسمات السرطانية و الصبغات الخاصة.

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