



شبكة المعلومات الجامعية



جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم

بعض الوثائق الأصلية تالفة

**The Role of Serum Interleukin-6 and Interleukin-8 in
the Early Diagnosis of Infection in Neutropenic
Children with Hematological Malignancies**

Thesis

Submitted in partial fulfillment
for the M.D. Degree in
Medical Microbiology and Immunology

By

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17

بسم الله الرحمن الرحيم

"قالوا سبحانك لا علم لنا إلا ما علمتنا
إنك أنت العظيم"

صدق الله العظيم
البقرة (٢٢)

محضر

اجتماع لجنة الحكم على الرسالة المقدمة من
الطبيب / إيمان عزت إبراهيم وادى
توطئة للحصول على درجة الماجستير / الدكتوراة
فى الكبد واورامها الخبيثة

نحت عنوان : باللغة الانجليزية : The role of serum interleukin-6 and interleukin-8 in the early diagnosis of infection in neutropenic children with hematological malignancies.

: باللغة العربية : دور الإنترلوكين 6 و 8 فى التشخيص المبكر للعدوى فى حالات الأطفال الرضوي عند الأطفال الذين يعانون من نقص فى الكريات البيض المتعادلة .

بناء على موافقة الجامعة بتاريخ ١٥ / ٥ / ٢٠٢٠ كتم تشكيل لجنة الفحص والمناقشة للرسالة المذكورة أعلاه على النحو التالى :-

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(عام) ٢٥ / ٦ / ٢٠٢٠

Abstract:

In the present study infection was searched for among febrile neutropenic children having hematological malignancies, and the results were correlated with the serum interleukin-6 (IL-6) and interleukin-8 (IL-8); as possible early diagnostic markers of severe life threatening infections. Positive microbiological findings were detected in 20 out of the 30 patients (66.66%); 6 patients (30%) had bacterial infections, one (5%) had fungal infection, and nine (45%) had viral infections. Eight out of the 9 viruses were detected in oral swabs, while 1 was detected by cell culture of PBLs. Mixed microbiologic findings were found in 4 out of the 20 patients; 1 patient had a mixed bacterial infection, another patient had both a bacterial infection and a virus detected by cell culture of PBLs, and each of 2 of the patients had a virus detected orally and another in cell culture of PBLs. However, serum IL-6 and IL-8 failed to show a significant correlation with any of the detected infections.

Keywords:

Interleukin-6, interleukin-8, infections in hematological malignancies, Herpes Simplex virus.

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