





ثبكة المعلومات الجامعية





جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأفلام قد اعدت دون آية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15-20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of 15-25c and relative humidity 20-40 %



ثبكة المعلومات الجامعية







Study Of Procalcitonin As A Diagnostic Marker Of Acute Infection In Infants And Children

Thesis Submitted For Partial Fulfillment Of The M.Sc. Degree In Pediatrics

Presented by

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Supervised by

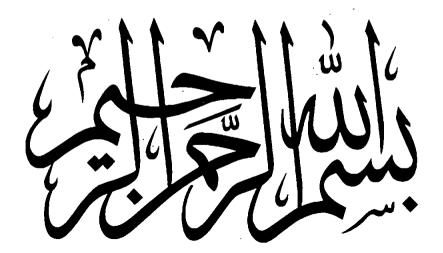
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First of all, I thank Allah who gave me the strength to finish this work, which I hope, can be a humble contribution to research in the field of diagnosis of infectious diseases in pediatrics.

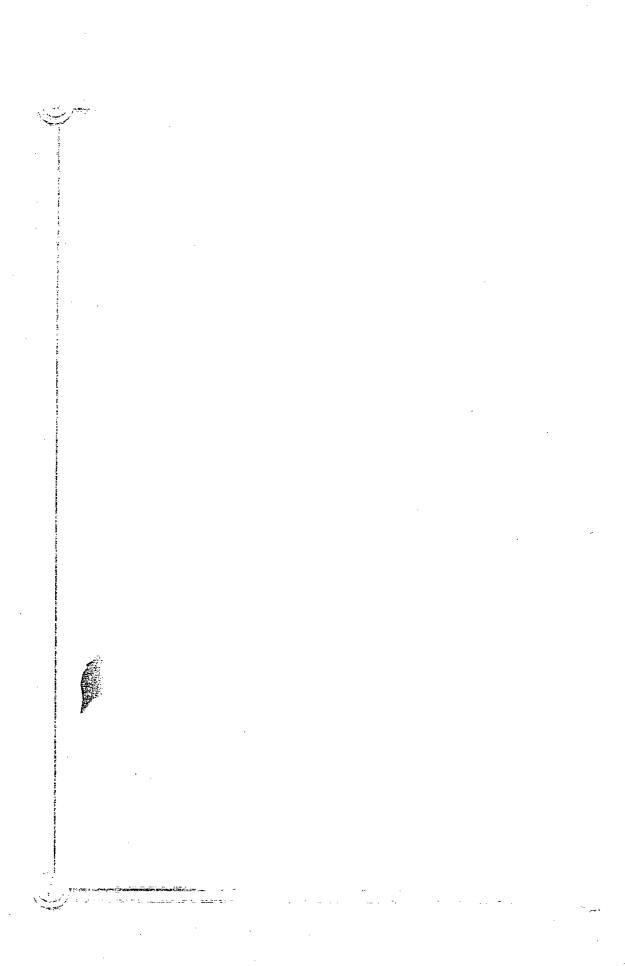
I would like to express my deepest gratitude and cardinal appreciation to my eminent Assist. Prof. Dr. Nisreen Mohamed EL-Abiad, Assistant Professor of Pediatrics – Faculty of Medicine Cairo University, for her kind guidance and supervision.

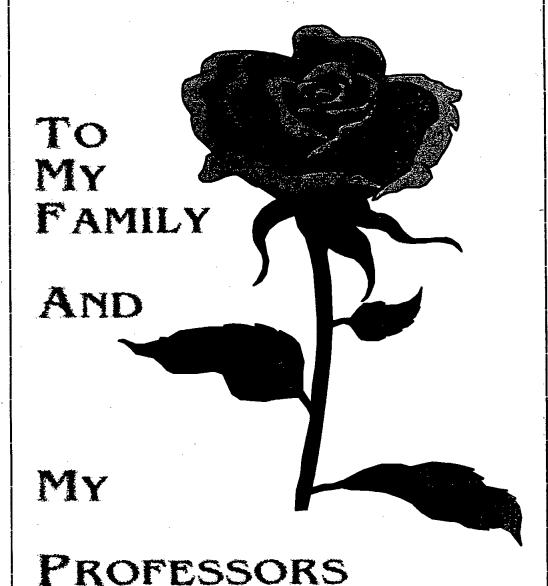
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Abstract

This study evaluates the diagnostic usefulness of serum procalcitonin (PCT) conc in severely infected infants and children and its comparison with other markers as total leukocyte count (TLC) and serum C-reactive protein (CRP). Patients are divided into 4 groups: (A)12 patients with sepsis, (B)13 patients with localized bacterial infection, (C)13 patients with viral infection, (D)20 healthy infants and children as control group. Results showed elevation of serum procalcitonin to high levels in sepsis and in localized bacterial infection, and were significantly declined in viral infections and control group. Procalcitonin cones have better diagnostic value with higher sensitivities and specificities in identifying infection, differentiating bacterial from viral infections and for the prediction of sepsis than TLC and serum CRP.

Key words

Procalcitonin, C-reactive protein, total leukocyte count (TLC), sepsis, bacterial and viral infections.

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