شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

Ain Shams University Information Network
جامعة عين شمس
شبكة المعلومات الجامعية
@ ASUNET

Ain Shams University Information Network
جامعة عين شمس
شبكة المعلومات الجامعية
@ ASUNET

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

بعض الوثائق الاصلية تالفة

Ain Shams University Information Network
جامعة عين شمس
شبكة المعلومات الجامعية
@ ASUNET

بالرسالة صفحات

لم ترد بالاصل

THE VALUE OF IMMUNOGLOBULIN AND COMPLEMENT LEVELS IN THE EARLY DIAGNOSIS OF NEONATAL SEPSIS

Thesis

Submitted for partial fulfillment of

Master Degree in Pediatrics

B7654

By

Ahmed Ahmed Al-Arousi

M.B., B.Ch.

Supervised by

Prof. Dr. Mohammed Fouad Badrawi

Professor of Pediatrics

Faculty of Medicine - Ain Shams University

Prof. Dr. Mohammed Nasr El-Din El Barbari

Assistant Professor of Pediatrics

Faculty of Medicine - Ain Shams University

Prof. Dr. Hala Ahmed Talkhan

Professor of Clinical Pathology

Faculty of Medicine - Ain Shams University

Faculty of Medicine

Ain Shams University

2001

بسم الله الرحمن الرحيم

وَعَلَّمَكَ مَا لَمْ تَكُن تَعْلَمُ

وَكَانَ فَضْلُ اللَّهِ عَلَيْكَ عَظِيمًا

صدق الله العظيم

This work is dedicated to my parents, Dr. Mohamed Al saied Shehata, my wife and Dr. Refaat Al Gabry for their love and support

ACKNOWLEDGEMENT

First and foremost, I thank ALLAH who gave me the strength to fulfill this work.

I would like to express my sincere gratitude to PROF. DR. MOHAMED FOUAD BADRAWI, Professor of Pediatrics, Faculty of Medicine, Ain Shams University, for his generous supervision, keen interest and precious time he offered me throughout this study. I consider my self very fortunate being worked under his supervision.

I wish also to express my deep gratitude to PROF. DR. MOHAMMED NASR EL-DIN EL BARBARI, Professor of Pediatrics, Faculty of Medicine, Ain Shams University, for his continuous support, valuable remarks and for offering me much of his time and effort throughout this study.

My sincere thanks are to PROF. DR. HALA AHMED TALKHAN, Professor of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her meticulous supervision, valuable remarks and continuous encouragement.

List of Contents

Title	Page
List of abbreviations	i
List of tables	iii
List of figures	v
Introduction	1
Aim of the work	2
Review of literature	3
Neonatal sepsis	3
Definition	3
Incidence	3
Morbidity and mortality	4
Etiology of neonatal sepsis	5
Risk factors for neonatal sepsis	12
Clinical manifestations of neonatal infections	28
The Diagnosis of neonatal sepsis	39
Hematological investigations	39
C-reactive protein	42
Other acute phase reactants	48
Erythrocyte sedimentation rate	49
Microbiological investigations	49
Immunoglobulins	54
Complement system	59
Other immunological tests	87
Blood gases	90
Radiological examination	90
Sepsis score	91
Subjects and Methods	93
Results	102
Discussion	141
Summary and Conclusion	149
Recommendations	153
References	154
Arabic Summary	