



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



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 اعدت دون أية 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 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل

**A Study Of Some Hazardous Effects Of
Viral Infection On Lower Respiratory
Tract In Atopics And Non Atopics**

Thesis

Submitted for partial fulfillment of
Master Degree in **Pediatrics**

By

Irene Mokhtar Kamel

M.B., B.Ch., Ain Shams University

Supervised By

Prof.

Shereine M. Abdel Fattah

*Prof. of Pediatrics
Faculty of Medicine,
Ain Shams University*

Dr.

Eman A. Zaky

*Assist. Prof. of Pediatrics
Faculty of Medicine,
Ain Shams University*

Prof. Dr.

Ahmed Abdel Karim

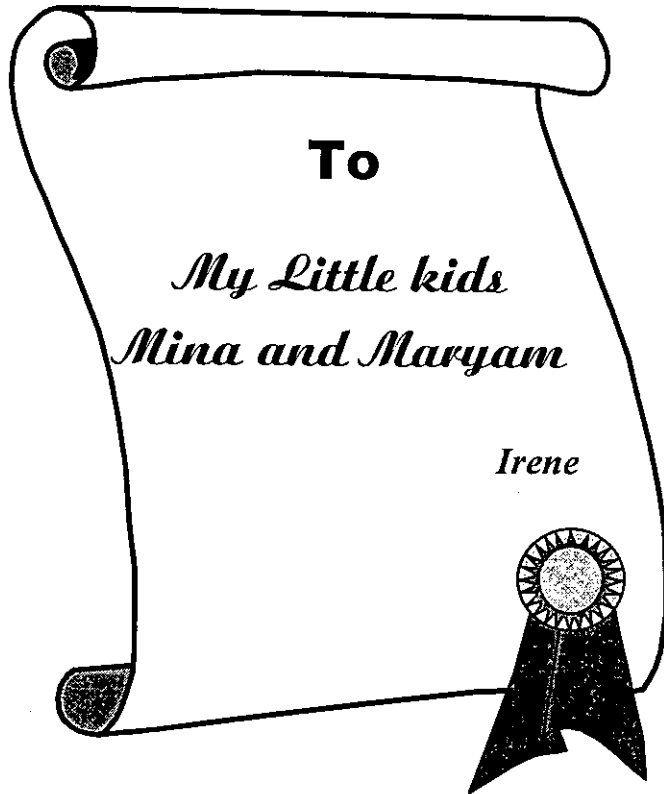
*Prof. of Community, Environment
and Occupational Medicine
Faculty of Medicine, Ain Shams University*

**Faculty of Medicine
Ain Shams University**

2001

139012





To

*My Little kids
Mina and Maryam*

Irene

Acknowledgement

I would like to express my deepest thanks and gratitude to *Prof. Dr. Shereen Abd El Fattah*, Prof. of Pediatrics, Ain Shams University, who spent much of her valuable time in meticulously revising this essay, and without her continuous encouragement and kind care, this work would have never been accomplished.

I am very grateful to *Assist. Prof. Dr. Eman Ahmed Zaki*, Assist. Prof. of Pediatrics, Ain Shams University, for her continuous guidance and help to end this work in its best form.

Special thanks to *Prof. Dr. Ahmed Abd El Karim*, Prof. of Community and General health Medicine, Faculty of Medicine, Ain Shams University, for his help, assistance and direction throughout the work.

APOLOGY

This work was supposed to be in the form of Thesis but the practical part was found to be difficult so, it was conducted in the form of essay.

CONTENTS

	<u>Page</u>
Introduction	1
Aim of the work.....	2
Review of Literature	3
Chapter (1) Anatomy and physiology of the respiratory system.....	3
Chapter (2) Respiratory function tests.....	12
Chapter (3) Bronchial asthma and bronchiolitis.....	19
Chapter (4) Nitric oxide	72
Summary.....	95
Conclusion and recommendations	97
References.....	98
Arabic Summary	---

