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ROLE OF VITAMIN A IN PATHOGENESIS OF CHILDHOOD ASTHMA

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Master Degree in Pediatrics

By

Mohamed Abd El-Fattah Ibrahim

M.B., B.Ch.

Supervised by

Prof. Dr. Yehia Mohamed El-Gamal

*Prof. of Pediatrics and Head of the Pediatric
Allergy and Immunology Unit*

Faculty of Medicine-Ain Shams University

618,9223

Dr. Shereen Medhat Reda

Lecturer of Pediatrics

Faculty of Medicine-Ain Shams University

Dr. Aziza Ahmed El-Sebai

Lecturer of Clinical Pathology

Faculty of Medicine-Ain Shams University

Faculty of Medicine

Ain Shams University

1997





بسم الله الرحمن الرحيم

**قالوا سبحانك لا علم لنا إلا ما علمتنا،
إنك أنت العليم الحكيم**

صدق الله العظيم

سورة البقرة، الآية ٣٢

إهداء
إلى الأستاذ الفاضل
كل الشكر والعرفان على
رعايته هذا العمل وإن شاء الله
وسمى

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LIST OF ABBREVIATION

Ag:	Antigen
BPD:	Broncho-pulmonary dysplasia
CNS:	Central nervous system
GM-CSF:	Granulocyte macrophage-colony stimulating factor
HIV:	Human immune deficiency virus
HPLC:	High performance liquid chromatography
ICAM:	Intercellular adhesion molecule
IgE:	Immunoglobulin E
IL:	Interleukin
INF:	Interferon
MBP:	Major basic protein
NANC:	Non-adrenergic non-cholinergic system
PDGF:	Platelet derived growth factor
PGs:	Prostaglandins
PAF:	Platelet activating factor
RAST:	Radio-immune sorbant assay
RBP:	Retinol-binding protein
RDA:	Recommended daily allowance
RSV:	Respiratory syncytial virus
SHR:	Spontaneous histamine release
TNF:	Tumour necrosis factor
TX:	Thromboxane
USPC:	United States Pharmacopial Convention
VLBW:	Very low birth weight
WHO:	World Health Organization

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