

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار





بعض الوثائق الأصلية تالفة





بالرسالة صفحات
لم ترد بالأصل



EVALUATION OF INTESTINAL MICROFLORA GROWTH IN PATIENTS WITH ATOPIC DISEASES

Thesis
Submitted for Partial Fulfillment of M.D Degree in
Internal Medicine

616-34
Z-A.

By
Zeinab Ahmed Ashour
M.B.B., Ch. & M.Sc. in Internal Medicine



68893

Zeinab Ashour

Supervised By



Prof. Dr. Hassan Elsayed Mohammed Soliman
Professor of Internal Medicine
Faculty of Medicine, Ain Shams University

Soliman

Prof. Dr. Amira Mohammed Moukhtar
Professor of Clinical Pathology
Faculty of Medicine, Ain Shams University

Assist. Prof. Dr. Fawzia Hassan Ahmed Abu Aly
Assistant Professor of Internal Medicine
Faculty of Medicine, Ain Shams University

Dr. Mohammed Abd Elrahman Hassan Elshayb
Lecturer of Internal Medicine
Faculty of Medicine, Ain Shams University

Elshayb

Faculty of Medicine
Ain Shams University
2002

Acknowledgement

I find no words by which I can express my extreme thanks, appreciation and profound gratitude to Prof. Dr. Hassan Elsayed Mohammed Soliman, Professor of Internal Medicine, Faculty of Medicine, Ain Shams University, who offered me great advice and guidance, kind encouragement and generous help during supervising this study.

I wish to record my great indebtedness and gratitude to Prof. Dr. Amira Mohammed Moukhtar, Professor of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her kind supervision and continuous support throughout the course of this work.

I would like to express my extreme thanks to Assist. Prof. Dr. Fawzia Hassan Ahmed Abu Aly, Assistant Professor of Internal Medicine, Faculty of Medicine, Ain Shams University, who offered me much of her time, experience and support for providing the good advice, suggestion and planning of this work.

I am deeply grateful to Dr. Mohammed Abd Elrahman Hassan Elshayb, Lecturer of Internal Medicine, Faculty of Medicine, Ain Shams University, for his helpful instructions and supervision throughout the course of this work.

CONTENTS

	Page
• Introduction and Aim of the Work	1
• Review of Literature	3-53
- The Human Intestinal Microflora	3
- Immunobiology of Human Gut Mucosa	16
- Food Allergy	21
- Allergy and Atopy	32
- Allergic Skin Diseases	38
- Bronchial Asthma	44
- Allergic Rhinitis	50
• Subjects and Methods	54
• Results	66
• Discussion	91
• Summary and Conclusion	99
• Recommendation	101
• References	102
• Arabic Summary.	

LIST OF TABLES

Table No.	Title	Page
-----------	-------	------

Tables of Review of Literature:

1	Summarizes some studies that demonstrate the effect of some lactic acid bacteria on immune response	12
2	Shows elements of mucosal barrier	25
3	Common allergens	33
4	Shows candidate genes in asthma and allergy and their chromosomal locations	35
5	Shows differential diagnosis between allergic and non allergic rhinitis	51

Tables of Results:

1	Descriptive statistics and comparison between the studied groups as regard age (years)	70
2	Descriptive statistics and comparison between the studied groups as regard sex	71
3	Descriptive statistics and comparison between the studied groups as regard stool lactobacillus GG (CFU/gm)	72
4	Descriptive statistics and comparison between the studied groups as regard serum total IgE (IU/mL).	73
5	Descriptive statistics and comparison between the studied groups as regard eosinophil count ($\times 10^3/\text{mL}$)	74

LIST OF TABLES (Cont.)

Table No.	Title	Page
6	Correlation between stool lactobacillus GG with other studied parameters (age, disease duration, IgE and eosinophil count) in the three studied patients groups	75
7	Descriptive statistics of data in mild bronchial asthma patients	76
8	Descriptive statistics of data in moderate bronchial asthma patients	76
9	Descriptive statistics of data in severe bronchial asthma patients	76
10	Comparison between mild, moderate and severe bronchial asthma	78

LIST OF FIGURES

Figure No.	Title	Page
1	Descriptive statistics and comparison between the studied groups as regard age (years)	70
2	Descriptive statistics and comparison between the studied groups as regard stool lactobacillus GG (CFU/gm)	72
3	Descriptive statistics and comparison between the studied groups as regard serum total IgE (IU/mL).	73
4	Descriptive statistics and comparison between the studied groups as regard eosinophil count ($\times 10^3/\text{mL}$)	74
5	Stool lactobacillus GG (CFU/gm) in mild, moderate and severe asthma	77

