



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية
@ ASUNET



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

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 الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

**EVALUATION OF OLFACTORY LOSS IN PATIENTS
WITH ALLERGIC RHINITIS**

92810

Thesis

**Submitted for partial fulfillment of Master degree
(M.SC.) of Internal Medicine**

By

**Sonya Ahmed El-Gaaly
MB. BCH of Medicine Ain Shams University**

Supervised by

**Prof. Dr. Foze Abbas El-Shayeb
Prof. Of Internal Medicine and Allergy
Faculty of Medicine Ain Shams University**

**Dr. Abdel-Rahman Soliman
Assistant Prof. Of Internal Medicine
Faculty of Medicine- Ain Shams University**

**Dr. Hassan Wahha
Assistant Prof. Of E.N.T
Faculty of Medicine – Ain Shams University
Faculty of Medicine – Ain Shams University
2000**

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

**EVALUATION OF OLFACTORY LOSS IN PATIENTS
WITH ALLERGIC RHINITIS**

Thesis

**Submitted for partial fulfillment of Master degree
(M.SC.) of Internal Medicine**

By

**Sonya Ahmed El-Gaaly
MB. BCH of Medicine Ain Shams University**

Supervised by

**Prof. Dr. Foze Abbas El-Shayeb
Prof. Of Internal Medicine and Allergy
Faculty of Medicine Ain Shams University**

**Dr. Abdel-Rahman Soliman
Assistant Prof. Of Internal Medicine
Faculty of Medicine- Ain Shams University**

**Dr. Hassan Wahha
Assistant Prof. Of E.N.T
Faculty of Medicine – Ain Shams University
Faculty of Medicine – Ain Shams University**

2000

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

البقرة (٣٢)

Contents

	Page
Acknowledgement	1
Introduction and Aim of the work	2
Review of Literature	6
⇒ Type I Hypersensitivity	6
⇒ Anatomy and Histopathology of the Nose and Olfactory pathway	8
⇒ Rhinitis	19
⇒ Pathogenesis of Allergic Rhinitis	32
⇒ Diagnosis of Allergic Rhinitis.	42
⇒ Treatment of Allergic Rhinitis	49
Subjects and Methods	65
Results	71
Discussion	107
Summary and Conclusion	115
Recommmendations	118
References	119
Arabic Summary	159

LIST OF TABLES

	Page
Table (1) Age and sex distribution of the two studied groups.	74
Table (2) Data collected from the nature of symptoms.	75
Table (3) Family history of allergic rhinitis	76
Table (4) Food allergy association	77
Table (5) Medical treatment incidence	78
Table (6) Frequency of positive skin test extracts.	79
Table (7) Endoscopic findings in patients with Allergic rhinitis.	80
Table (8) Comparison of mean value of <u>alcohol</u> Olfaction with variable of duration of allergic rhinitis.	81
Table (9) Comparison of mean value of <u>Cinnamon</u> Olfaction with variable of duration of allergic rhinitis.	82
Table (10) Comparison of mean value of <u>Cocoa</u> Olfaction with variable of duration of allergic rhinitis.	83
Table (11) Comparison of mean value of <u>Coffee</u> Olfaction with variable of duration of allergic rhinitis.	84

Table (12) Comparison of mean values of <u>alcohol</u> Olfaction in relation to number of positive skin tests.	85
Table (13) Comparison of mean values of <u>Cinnamon</u> Olfaction in relation to number of positive skin tests.	86
Table (14) Comparison of mean values of <u>Cocoa</u> Olfaction in relation to number of positive skin tests.	87
Table (15) Comparison of mean values of <u>Coffee</u> Olfaction in relation to number of positive skin tests.	88
Table (16) Comparison between mean values for <u>Alcohol</u> Olfaction in the two groups.	89
Table (17) Comparison between mean values for <u>Cinnamon</u> Olfaction in the two groups.	90
Table (18) Comparison between mean values for <u>Cocoa</u> Olfaction in the two groups.	91
Table (19) Comparison between mean values for <u>Coffee</u> Olfaction in the two groups.	92
Table (20) Comparison between the mean values of <u>Alcohol</u> Olfaction in the two studied groups.	93
Table (21) Comparison between the mean values of <u>Cocoa</u> Olfaction in the two studied groups.	94