

بسم الله الرحمن الرحيم



HOSSAM MAGHRABY



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



HOSSAM MAGHRABY

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



A red decorative flourish or signature line.

HOSSAM MAGHRABY



بعض الوثائق الأصلية تالفة



HOSSAM MAGHRABY



بالرسالة صفحات

لم ترد بالأصل



HOSSAM MAGHRABY

***PULMONARY MANIFESTATIONS, PULMONARY
FUNCTION CHANGES AND BRONCHO ALVEOLAR
LAVAGE (BAL) CELLULAR PATTERN AMONG
WORKERS EXPOSED TO COTTON DUST IN
EGYPTIAN TEXTILE FACTORY AT HELWAN.***

THESIS

B100..

**SUBMITTED FOR PARTIAL FULFILLMENT OF MASTER
DEGREE IN CHEST DISEASES AND TUBERCULOSIS**

BY

**Nasr Mahmoud M. Shehata
*M.B.B.Ch Cairo University***

SUPERVISORS

**DR. AMR A. M DARWISH
Assistant prof. of chest diseases
Faculty of Medicine
Minoufiya University**

**DR. AHMED ABD EL RAHMAN ALI
Assistant prof. of chest diseases
Faculty of Medicine
Minoufiya University**

**DR. HESHAM EL SAYED ABDEL ATY
Assistant prof of chest diseases
Faculty of Medicine
Minoufiya University**

**Fuculty of Medicine
Minoufiya University**

2001

1910

CONTENTS

<i>Introduction</i>	4
<i>Review of literature:</i>	
Cotton dust	5
Byssinosis	6-17
Workers protection	18-21
Mill fever	22-28
Occupational asthma	29-40
Early diagnosis of occupational lung diseases	41-62
Sputum cytology and occupational pulmonary diseases	63-65
International labour organization classification of	66-68
Comparative studies about effects of cotton dust exposure on respiratory system	69-82
<i>Subjects and methods</i>	83 – 90
<i>Results.</i>	91 – 107
<i>Discussion</i>	108 –125
<i>Summary and conclusion.</i>	126 – 132
<i>References</i>	133 – 166
<i>Appendix</i>	167 – 183
<i>Arabic summary</i>	17 – 1

LIST OF ABBREVIATIONS

AECD	: Aques Extract Of Cotton Dust
ATS	: American Thoracic Society
BAL	: Broncho Alveolar Lavage.
BMNC	: Blood Mono Nuclear Cells.
C AMP	: Cyclic Adeno Mono Phosphate
C GMP	: Cyclic Gluto Mono Phosphate
COLD	: Chronic Obstructed Lung Disease.
CWP	: Coal Workers Pneumoconiosis.
ERV	: Expiratory Reserve Volume
FEV₁	: Forced Expiratory Volume In The First Second.
FEF 75	: Forced Expiratory Flow At 75% Of The Vital Capacity.
FEF 50	: Forced Expiratory Flow At 50 % Of The Vital Capacity.
FEF25	: Forced Expiratory Flow At 25 % Of The Vital Cap
FVC	: Forced Vital Capacity
IC	: Inspiratory Capacity
I_{gE}	: Immuno Globulin E
ILO	: International Labour Office.
IPF	: Interstitial Pulmonary Fibrosis.
MMEF	: Maximum Mid Expiratory Flow.
M.V.V.	: Maximum Voluntary Ventilation
NIOSH	: National Institute Of Occupational Safety And Health.
OR	: Occurrence Range.
OSHA	: Occupational Safety And Health Administration.
PCA	: Pro Coagulant Acitivity.
PEFR	: Peak Expiratory Flow Rate.
PMN	: Polymorphonuclear Neutrophils.
PPB	: Part Per Billion Acity.
PPM	: Part Per Million
RV	: Residual Volume
TLC	: Total Lung Capacity

ACKNOWLEDGEMENT

Before all and above all thanks to God.

I wish to express my sincere gratitude to professor Ali Abdel Halim Mabrouk , Head of chest department, Minoufiya university for his supervision, encouragement, and help in conducting this study.

My thanks are also to assistant professor Dr. Amr Abdel Moneim Darwish Assistant professor of chest diseases, Minoufiya university for his continuous support and helpful instructions, constant supervision during this study.

My thanks are also to Dr. Ahmed Abd El Rahman Ali Assistant professor of chest diseases, Minoufiya university for his sincere effort and guidance in the preparation of this work.

My thanks are also to Dr. Hesham El Sayed Abdel Aty Assistant professor of chest diseases, Minoufiya university for his guidance in the preparation of this work.

I'm grateful to all the staff members of chest department, Minoufiya university and the staff members of the medical section of Misr Helwan Co. for their help and co-operation.

Introduction

and aim of the work

