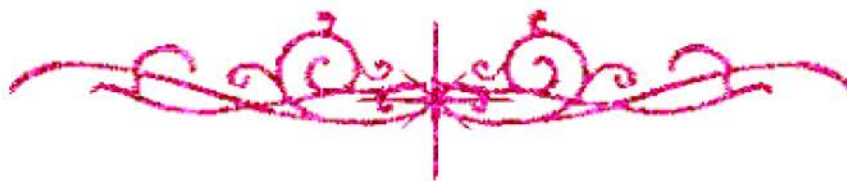


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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

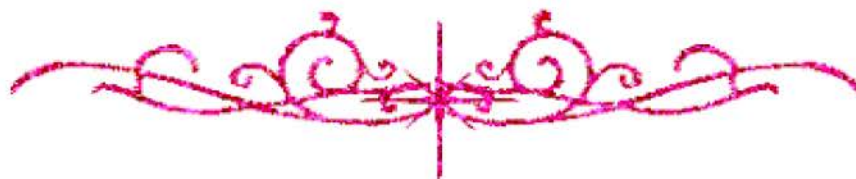
قسم

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



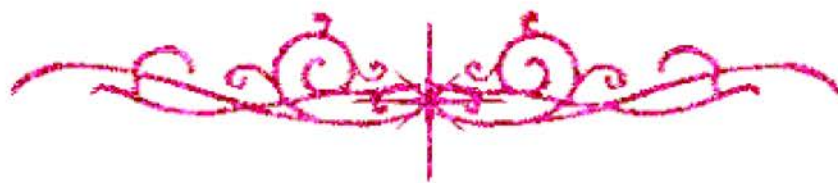
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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



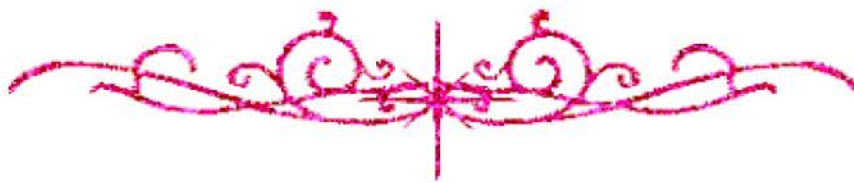


بالرسالة صفحات لم ترد بالأصل





بعض الوثائق الأصلية تالفة



B11179

**STUDY OF SLEEP RELATED
RESPIRATORY DISORDERS IN
VARIABLE DEGREES OF OBESITY**

Thesis

Submitted to the Faculty of Medicine
University of Alexandria
In Partial Fulfillment of the Requirements
For the Degree of

Master of

Chest Diseases and Tuberculosis

By

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Dedicated to;

My parents

*For their endless support and love. Words
of gratitude seem so small compared to
what they contribute to my life*

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All praise to God, the most Gracious, most merciful, the fount of all wisdom.

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LIST OF ABBREVIATIONS

6 MWD	:	Six Minute Walking Distance
A-aPo₂	:	Alveolar Arterial Oxygen Tension Gradient
AASM	:	American Academy of Sleep Medicine
ABGs	:	Arterial Blood Gases
ACT	:	Acceleration Time.
ACTH	:	Acceleration Time Corrected for the Heart Rate
ANOVA	:	Analysis of Variance
ASDA	:	American Sleep Disorders Association.
BMI	:	Body Mass Index
BMR	:	Basal Metabolic Rate
BW	:	Body Weight
CHD	:	Coronary Heart Diseases
CNS	:	Central Nervous System
Co₂	:	Carbon Dioxide
COPD	:	Chronic Obstructive Pulmonary Disease.
CPAP	:	Continuous Positive Airway Pressure
CRH	:	Corticotropin Releasing Hormone
Crs	:	Respiratory system compliance
CT	:	Computed Tomography
DVE/DPco₂	:	Slop of Ventilatory Response to Inhaled Co ₂
ECG	:	Electro Cardiogram
EEG	:	Electro Encephalogram

EMG	:	Electro Myogram
EOG	:	Electro Oculogram
ERV	:	Expiratory Reserve Volume
ET	:	Ejection Time
FBG	:	Fasting blood Glucose
FEV₁	:	Forced Expiratory Volume in the First Second
FRC	:	Functional Residual Capacity
FVC	:	Forced Vital Capacity.
Hco₃	:	Serum Bicarbonate Level
HUPSPEC	:	Hydrogen Ultrathin Phase Encoded Spectroscopy
IHD	:	Ischemic Heart Disease
IL-6	:	Interleukin-6
Kg	:	Kilogram
m	:	Meter
MC4R	:	Melanocortin 4-Receptor
Min.	:	Minute
MRI	:	Magnetic Resonance Imaging
MSH	:	Melanocyte Stimulating Hormone
MSLT	:	Multiple sleep Latency Test
MVV	:	Maximal Voluntary Ventilation
NL	:	Normal Subject
NREM	:	Non Rapid Eye Movement
O₂	:	Oxygen
OB	:	Obese Subject
ODI4	:	Oxygen Desaturation index 4%

OHS	:	Obesity Hypoventilation Syndrome
OSA	:	Obstructive Sleep Apnea
OSAHS	:	Obstructive Sleep Apnea/Hypopnea Syndrome
P_{0.1}	:	Mouth Occlusion Pressure
PaCO₂	:	Arterial Carbon Dioxide Tension
PaO₂	:	Arterial Oxygen Tension
PCOS	:	Polycystic Ovary Syndrome
Perit	:	The intraluminal pressure at which the cross sectional area of the upper airway become zero.
PE_{max}	:	Maximal Expiratory Pressure
PFTs	:	Pulmonary Function Tests
PIFR	:	Peak Inspiratory Flow Rate
PI_{max}	:	Maximal Inspiratory Pressure
PL	:	Intraluminal Pressure
P_{musc}	:	Pressure Exerted by Pharyngeal Dilating Muscles.
POMC	:	Pro Opiomelanocortin
PPBG	:	Post Prandial Blood Glucose
PPV	:	Positive Pressure Ventilation
P_{tis}	:	Pressure in the Tissue Surrounding the Pharyngeal Wall
PV	:	Peak Velocity
RDI	:	Respiratory Disturbance Index
REM	:	Rapid Eye Movement
RERA	:	Respiratory Effort Related Arousal
RR	:	Respiratory Rate
Rrs	:	Respiratory system resistance

SaO₂	:	Arterial Oxygen Saturation
Sec	:	Second
SHVS	:	Sleep Hypoventilation Syndrome
S_m vO₂	:	Mixed venous oxyhemoglobin saturation
T₉₀	:	Sleep time in hours spend with oxygen saturation below 90%
TLC	:	Total Lung Capacity
TNFα	:	Tumor Necrosis Factor α
UARS	:	Upper Airway Resistance Syndrome
UPPP	:	Uvupalatopharyngeoplasty
VC	:	Vital Capacity
V_{CO₂}/V_{O₂}	:	The respiratory exchange ratio
VE	:	Minute Ventilation
VO₂	:	Oxygen Consumption
V_t	:	Tidal volume
V_t/T_i	:	The mean inspiratory flow rate

LIST OF FIGURES

No.	Title	Page
1	Diagram of the upper airway, which shows the different segments of the pharynx and indicates the variety of upper airway abnormalities reported to cause obstructive sleep apnea. (From Fleetham JA. Clin Chest Med 13:400, 1992, with permission).	48
2	Determinants of upper airway caliber. PL= intraluminal pressure. P_{tis} = pressure in the tissue surrounding the pharyngeal wall. P_{musc} = pressure exerted by the pharyngeal dilating muscles. ΔV : change in volume. ΔP :Change in pressure.	50
3	Effect of initial PO_2 on amount of arterial oxygen desaturation seen. Because of the shape of the oxyhemoglobin dissociation curve. The amount of decrease in SaO_2 is seen with equivalent decrease in PO_2 is different for different starting PO_2 . When the starting PO_2 is near or below the (Knee) of the curve more desaturation is seen.	52
4	The pathophysiological role of obesity in the obstructive sleep apnea syndrome UA= upper airway: UAR=upper airway resistance: OSA=obstructive sleep apnea: P_{tis} = pressure in tissues surrounding the pharyngeal wall: P_{musc} =pressure exerted by pharyngeal dilating muscles.	56
5	Polysomnography device	85
6	Box plots showing the BMI in the three groups.	100