



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



**HANAA ALY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# 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



**HANAA ALY**

# **STUDY OF NEUTROPHIL OXIDATIVE FUNCTION IN APPARENTLY HEALTHY OBESE SUBJECTS IN DIFFERENT AGE GROUP**

Thesis

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By

***Sherein Mohamed Rashad***

*M.B.B.Ch, M.SC in Internal Medicine  
Faculty of Medicine-Ain Shams University*

Supervisors

**Prof. Dr. /Fawzia Hassan Ahmed Abo Ali**

*Professor of Internal Medicine, Allergy & Clinical Immunology  
Faculty of Medicine - Ain Shams University*

**Prof. Dr./ Mohamed Nazmy Farres**

*Professor of Internal Medicine, Allergy & Clinical Immunology  
Faculty of Medicine - Ain Shams University*

**Prof. Dr. /Rasha Yousef Shahin**

*Professor of Internal Medicine, Allergy and Clinical  
Immunology*

*Faculty of Medicine-Ain Shams University*

**Dr. /Amira Ramdan Elmahdi**

*Assistant Professor of Internal Medicine, Allergy and Clinical Immunology  
Faculty of Medicine-Ain Shams University*

**Dr. /Mohamed Taref Hamza**

*Lecturer of Clinical Pathology  
Faculty of Medicine-Ain Shams University*

Faculty of Medicine - Ain Shams University

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العليم

صدق الله العظيم

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# List of Abbreviations

Abb.	Full term
<i>ADCY3</i> .....	<i>Adenylate cyclase 3.</i>
<i>Ang II</i> .....	<i>Angiotensin II</i>
<i>AP</i> .....	<i>Acute pancreatitis</i>
<i>apoB</i> .....	<i>Apolipoprotein B.</i>
<i>BAF</i> .....	<i>B-cell-activating factor</i>
<i>BAT</i> .....	<i>Brown adipose tissue</i>
<i>BDNF</i> .....	<i>Brain Derived neurotrophic factor</i>
<i>BMI</i> .....	<i>Body mass index.</i>
<i>BP</i> .....	<i>Blood pressure</i>
<i>CD</i> .....	<i>Cluster of differentiation.</i>
<i>CHD</i> .....	<i>Coronary heart disease.</i>
<i>CRP</i> .....	<i>C reactive protein</i>
<i>CT</i> .....	<i>Computed tomography.</i>
<i>CVD</i> .....	<i>Cardiovascular atherosclerotic diseases.</i>
<i>DAMPs</i> .....	<i>Danger-associated molecular patterns.</i>
<i>DEXA</i> .....	<i>Dual energy X-ray.</i>
<i>DM</i> .....	<i>Diabetes mellitus.</i>
<i>DMT2</i> .....	<i>Diabetes mellitus type 2</i>
<i>ERCP</i> .....	<i>Endoscopic retrograde cholangiopancreatography</i>
<i>FTO</i> .....	<i>Fat mass and obesity associated gene</i>
<i>H. pylori</i> .....	<i>Helicobacter pylori.</i>
<i>HDL</i> .....	<i>High-density lipoproteins.</i>
<i>HPA</i> .....	<i>Hypothalamic-pituitary-adrenal axis</i>
<i>HTN</i> .....	<i>Hypertension</i>

# List of Abbreviations (Cont...)

Abb.	Full term
<i>IFN</i> .....	<i>Interferon</i>
<i>IgE</i> .....	<i>Immunoglobulin E</i>
<i>IgG</i> .....	<i>Immunoglobulin G</i>
<i>IL</i> .....	<i>Interleukin.</i>
<i>IP</i> .....	<i>Inducible protein</i>
<i>IR</i> .....	<i>Insulin resistance</i>
<i>KSR2</i> .....	<i>Kinase suppressor of ras 2.</i>
<i>LEP</i> .....	<i>Leptin</i>
<i>LEPR</i> .....	<i>Leptin receptor.</i>
<i>MC4R</i> .....	<i>Melanocortin 4 Receptor.</i>
<i>MCP-1</i> .....	<i>Monocyte Chemoattractant protein-1</i>
<i>MetS</i> .....	<i>Metabolic syndrome.</i>
<i>MHC</i> .....	<i>Major histocompatibility complex molecules</i>
<i>MRI</i> .....	<i>Magnetic resonance imaging.</i>
<i>NAFLD</i> .....	<i>Nonalcoholic fatty liver disease</i>
<i>NASH</i> .....	<i>Nonalcoholic steatohepatitis</i>
<i>NHLBI</i> .....	<i>The national heart lung blood institute</i>
<i>NK</i> .....	<i>Natural killer cells</i>
<i>NLRs</i> .....	<i>Nucleotide-binding oligomerization domain (NOD)-like receptors.</i>
<i>NOD</i> .....	<i>Nucleotide-binding oligomerization domain</i>
<i>OSA</i> .....	<i>Obstructive sleep apnea</i>
<i>PCSKI</i> .....	<i>Proprotein convertase subtilisin/kexin type 1.</i>
<i>POMC</i> .....	<i>Proopiomelanocortin.</i>
<i>RAS</i> .....	<i>Renin-angiotensin system</i>
<i>SAT</i> .....	<i>Subcutaneous adipose tissue</i>

# List of Abbreviations (Cont...)

Abb.	Full term
<i>TG</i> .....	<i>Tri glyceride</i>
<i>TGF</i> .....	<i>Transforming growth factor</i>
<i>Th</i> .....	<i>T-helper cell</i>
<i>TLR4</i> .....	<i>Toll like receptor 4</i>
<i>TNF</i> .....	<i>Tumor necrotic factor</i>
<i>VAT</i> .....	<i>Visceral adipose tissue</i>
<i>VLDL</i> .....	<i>Very low density lipoprotein</i>
<i>WAT</i> .....	<i>White adipose tissue</i>
<i>WHO</i> .....	<i>World Health organization.</i>