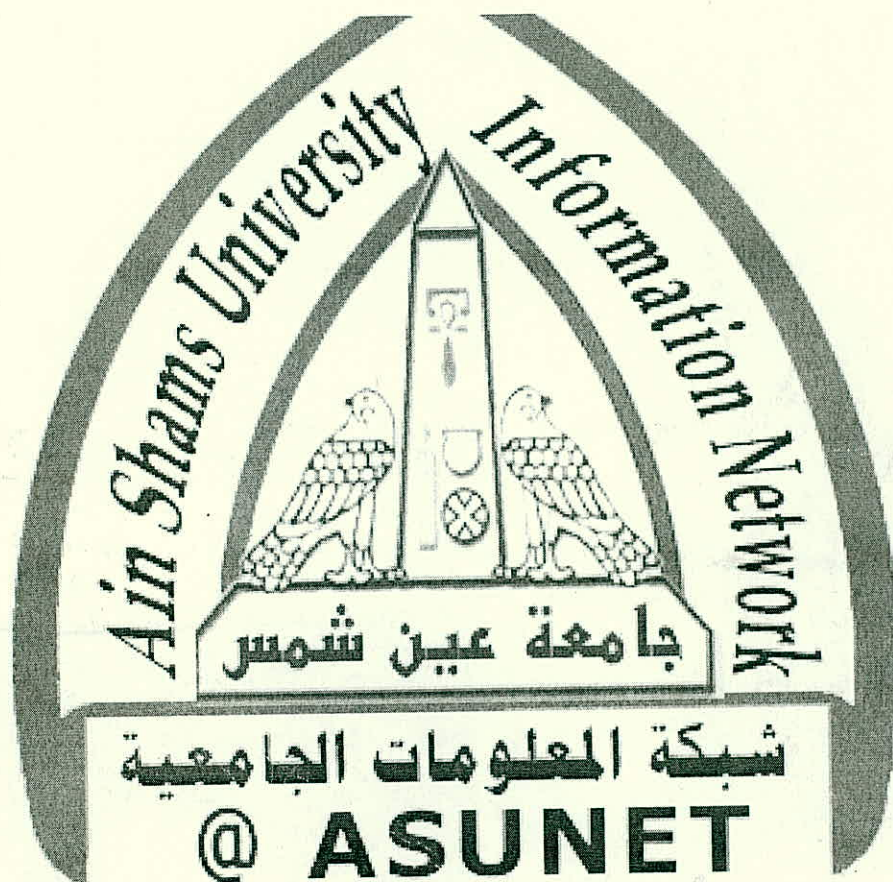




شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم



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 بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة

STUDY OF INTERLEUKIN -1 β IN OBESE AND DIABETIC PATIENTS

THESIS

Submitted for the partial fulfillment of
Master Degree In Internal Medicine

By

Rania Ahmed El-Sayed

(M.B., B.ch., Ain Shams)

Faculty of Medicine

UNDER THE SUPERVISION OF

Prof. Dr. Mohamed Fahmy Abd El-Aziz

Professor of Internal Medicine,
Endocrinology & Metabolism, Faculty of Medicine,
Ain Shams University.

Dr. Magda Shokry Mohamed

Lecturer of Internal Medicine, Endocrinology and Metabolism
Faculty of Medicine, Ain Shams University.

Dr. Nehad Shokry Shoeib

Lecturer of Internal Medicine, Endocrinology and Metabolism
Faculty of Medicine, Ain Shams University.

Faculty of Medicine
Ain Shams University

2001

B

20-1

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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

صدق الله العظيم

سورة البقرة / الآية { ٣٢ }

Acknowledgement

Thanks first and last to *God* as we owe him for his great care, support and guidance in every step in our life.

I would like to express my thanks and gratitude to the great *Prof. Dr. Mohamed Fahmy Abd El-Aziz*, Professor of Internal Medicine Endocrinology and Metabolism, Ain Shams University, for his kind supervision and continuous guidance and indispensable advice all through my work.

I would like to express my deep thanks and gratitude to *Dr. Magda Shokry Mohamed*, Lecturer of Internal Medicine, Endocrinology and Metabolism, Ain Shams University, for her priceless help in offering all the facilities for this work and for her kind supervision.

I want to express my great thanks to *Dr. Nehad Shokry Soheib*, Lecturer of Internal Medicine, Endocrinology and metabolism, Ain Shams University, to whom I owe more than words can express. To complete my work she gave me generally of her expensive time, great help and kind encouragement.

I am so grateful to *Dr. Magdy Abbas Abd El-Aziz*, Fellow of Biochemistry, Ain Shams University

Last but not least, I want to thank all my colleagues, friends and my patients without their help, this work could not have been completed.

CONTENTS

	Page
Introduction	1
Aim of the Work	2
Review of Literature	
<i>Cytokines</i>	3
<i>Obesity</i>	49
<i>Diabetes Mellitus and Insulin Resistance</i>	74
<i>Role of Cytokines in β-cell function</i>	105
Subjects and Methods	122
Results	131
Discussion	157
Summary	169
Recommendation	171
References	172
Arabic Summary	--

LIST OF ABBREVIATIONS

ACS	Acyl CoA synthase
ACTH	Adrenocorticotrophic hormone
Ag	Antigen
AIDS	Acquired immunodeficiency syndrome
Alb	Albumin
ALT	Alanine transferase
ANOVA	Analysis of Variance
APC	Antigen presenting cell
AST	Aspartate transferase
ATLPL	Adipose tissue lipoprotein lipase
Bil.	Bilirubin
BM	Bone marrow
BMI	Body mass index
C ₃	Complement-3
CNS	Central nervous system
Cr	Creatinine
CSF	Colony-stimulating factor
DBP	Diastolic blood pressure
DM	Diabetes mellitus
DNA	Deoxyribonucleic acid
EASIA	Enzyme amplified sensitivity immunoassay
EDTA	Ethylene-Diamine-Tetra-acetic acid
FAS-L	FAS-Ligand

FATP	Fatty acid transport protein
FBS	Fasting blood sugar
FFA	Free fatty acid
g/dl	Gram per deciliter
G-6-P	Glucose-6-phosphate
G-CSF	Granulocyte-colony stimulating factor
GM-CSF	Granulocyte-macrophage colony stimulating factor
GS	Glycogen synthase
HbA ₁ C	Glycated hemoglobin
HGP	Hepatic glucose production
HIV	Human immunodeficiency virus
HK	Hexokinase
HRP	Horseradish peroxidase
Ht	Height
HTLV	Human T-cell lymphotropic virus
IBD	Inflammatory bowel disease
IDDM	Insulin-dependent diabetes mellitus
Ig	Immunoglobulin
IGF	Insulin-like growth factor
IGT	Impaired glucose tolerance
IL	Interleukin
IL-RA	Interleukin-receptor antagonist
IFN	Interferon
IR	Insulin receptor