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STUDY OF RESISTIN LEVEL IN TYPE 2 DIABETIC AND HYPERTENSIVE PATIENTS

Thesis Submitted for the Fulfillment of Master Degree of Science (Biochemistry)

Submitted by

Noha Ibrahim Abdo Mohamed Soliman

B.Sc. (Chemistry-Botany) 2000

Faculty of Science

Cairo University

2009

APPROVAL SHEET FOR SUBMISSION

Title of the M.Sc. Thesis:

STUDY OF RESISTIN LEVEL IN TYPE 2 DIABETIC AND HYPERTENSIVE PATIENTS

Name of candidate: **Noha Ibrahim Abdo Mohamed Soliman**

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ABSTRACT

Name of candidate: **Noha Ibrahim Abdo Mohamed Soliman**

Title of Thesis: **STUDY OF RESISTIN LEVEL IN TYPE 2 DIABETIC AND HYPERTENSIVE PATIENTS**

Degree: M.Sc. of Science Thesis, Faculty of Science, Cairo University, 2009.

This work has been carried out to evaluate the association between hyperresistinemia and the coexistence of hypertension and type 2 diabetes mellitus.

Key words: Diabetes Mellitus, Hypertension, Obesity, Resistin.

Supervisors:

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Beside the work carried out in this thesis, the candidate has attended and successfully passed a final examination of M.Sc. Courses during the academic year 2004-2005 in Biochemistry covering the following topics:

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7- Body Fluids
8- Immunology
9- Immunochemistry
10-Radiobiology
11- German language
12- Biological Analysis
13- Tissue Culture
14- Microbiology
15- Industrial Microbiology
16- Spectroscopy
17- Stereochemistry
18- Biochemistry II
19- Inorganic Complex
20- Mathematics
21- Physiology

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LIST OF ABREVIATIONS

BMI	Body mass index
CRP	C. Reactive protein
HBAIC	Glycosylated hemoglobin
DNA	Deoxyribonucleic acid
HDL	High density lipoprotein
LDL	Low density lipoprotein
IL	Inter leuken
EST	Expressed sequence tag
INF	Tuner necroses Factor
ASP	Acylation stimulating protein
PAI-1	Plasminogen activator inhibitor type 1
RBP-4	Retinol binding protein -4
WAT	White adipose tissue
RELM	Resistin like molecule
FIZZ	Found in inflammatory zone
mRNA	Messenger ribonucleic acid
PCR	Polymerase chain reaction
CE	Cholesterol esterase