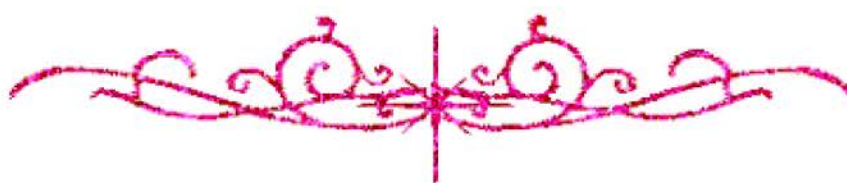


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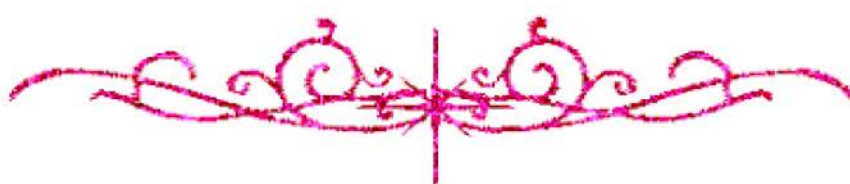
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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

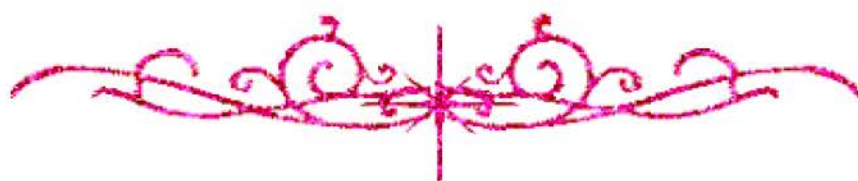
قسم

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



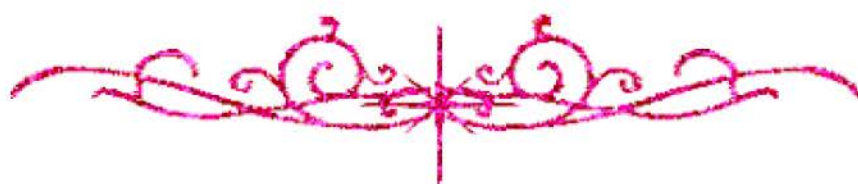
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بعض الوثائق الأصلية تالفة



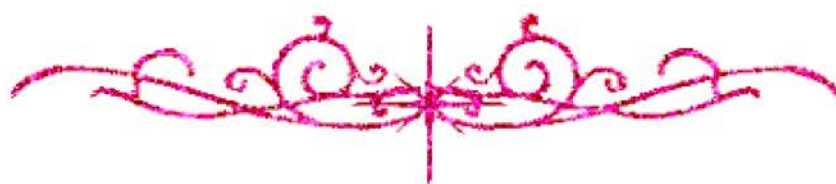
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شبكة المعلومات الجامعية



بالرسالة صفحات لم ترد بالأصل



**Study of some lipoproteins in
patients with Ischaemic heart
disease receiving *Nigella sativa* seeds**

Thesis

Submitted to the
Medical Research Institute
University of Alexandria
in Partial Fulfillment
of the requirements for the Degree of
Master of Chemical Pathology

By

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Protocol

Arabic Summary

List of Abbreviations

λ	:	Wavelength
$\Delta A/\text{min}$	:	Change in absorbance per minute
A	:	Absorbance
ACAT	:	Acyl -CoA cholesterol O-acyltransferase
ALT	:	Alanine aminotransferase
Apo A-1	:	Apolipoprotein A-1
Apo B	:	Apolipoprotein B
Apo C	:	Apolipoprotein C
Apo E	:	Apolipoprotein E
Apo J	:	Apolipoprotein J
AST	:	Aspartate aminotransferase
CETP	:	Cholesteryl ester transfer protein
Cs	:	Concentration of standard
C _T	:	Concentration of test
ECG	:	Electro cardio grame
ELISA	:	Enzyme-linked immunosorbent assay
FSG	:	Fasting serum glucose
Hb	:	Haemoglobin
HDL	:	High density lipoprotein
HHcy	:	Hyper homocysteinemia
HMG-CoA	:	3-Hydroxy-3-methylglutaryl-CoA
H ₂ O	:	Water
H ₂ O ₂	:	Hydrogen peroxide
HRP	:	Horseradish Peroxidase
IDL	:	Intermediate density lipoprotein

IHD	:	Ischemic heart disease
γ -LpE	:	Gamma lipoprotein E
LCAT	:	Lecithin cholesterol acyltransferase
LDL	:	Low density lipoprotein
Lp(a)	:	Lipoprotein (a)
LPL	:	Lipoprotein lipase
MM-LDL	:	Minimal modified low density lipoprotein
NAD	:	Nicotinamide adenine dinucleotide
NADH	:	Reduced form of nicotinamide adenine dinucleotide
NIDDM	:	Non insulin dependent diabetes mellitus
Ns	:	Nigella sativa
NSO	:	Nigella sativa oil
O ₂	:	Oxygen
OPD	:	Ortho-phenylenediamine
PCV	:	Packed cell volume
PET buffer	:	PBS-EDTA-Tween 20
PMN	:	Polymorpho- nuclear cell
Pre β 1-LpA-1	:	Small HDL contains only apo A-1
S	:	Standard
T	:	Test
TG	:	Triglycerides
TGF β	:	Transforming growth factor β
TQ	:	Thymoquinone
VCAM-1	:	Vascular cell adhesion molecule-1
VLDL	:	Very low density lipoprotein

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Introduction

INTRODUCTION