IMPACT OF LIPOPROTEIN LIPASE GENE POLYMORPHISMS ON SEVERITY OF CORONARY ARTERY DISEASE

Protocol of Thesis

Submitted for Partial Fulfillment of M.D. Degree
In Clinical and Chemical Pathology

By

Walaa Ahmed Yousry Mohamed Kabiel
M.B.B.Ch.M.Sc. (Clinical and Chemical Pathology)
Ain Shams University

Supervised by

Professor/ Farid Adly Farid
Professor of Clinical and Chemical Pathology
Faculty of Medicine- Ain Shams University

Professor/ Manal Mohamed Abd Al Aziz
Professor of Clinical and Chemical Pathology
Faculty of Medicine- Ain Shams University

Professor/ Karim Yehia Shaheen
Professor of Clinical and Chemical Pathology
Faculty of Medicine- Ain Shams University

Doctor/ Walid Abd El- Azim El-Hammady
Assistant Professor of Cardiology
Faculty of Medicine- Ain Shams University

Doctor/ Hala Abdelal Ahmed
Lecturer of Clinical and Chemical Pathology
Faculty of Medicine-Ain Shams University

Faculty of Medicine
Ain Shams University

2013

Acknowledgement

First of all praise and thanks to ALLAH providing me with time and effort to accomplish this thesis

I wish to thank my ***Prof. Dr. Farid Adly Farid, Professor of CIinical and Chemical Pathology, Faculty of Medicine, Ain Shams University*** *for his support throughout this work.*

A special tribute and cordial thanks are paired to ***Prof. Dr. Manal Mohamed Abd Al Aziz, Professor of Clinical and Chemical Pathology, Faculty of Medicine, Ain Shams University*** *for her authentic guidance, kind supervision to accomplish this work.*

I wish to express my deep gratitude to ***Prof. Dr. Karim Yehia Shaheen, Professor of CIinical and Chemical Pathology, Faculty of Medicine, Ain Shams University****. for his enthusiasm, meticulous guidance, precious remarks and follow up throughout this work.I had the honor to work under his supervision, and his scientific remarks are beyond achnowledgement.*

I am greatly indebted to ***Dr. Hala Abdelal Ahmed Assistant Professor of Clinical and Chemical Pathology, Faculty of Medicine, Ain Shams University****, for her continuous encouragement and sincere contribution in this work with her time and effort.*

I am also greatly indebted to ***Dr. Walid Abd El- Azim El-Hammady, Assistant professor of Cardiology, Faculty of Medicine, Ain Shams***

University *for his sincere contribution in this work with his time and precious remarks.*

I would like to express my profound thanks and great gratitude to ***Dr. Omayma Mohamed Hassanin, Associate consultant of Clinical Pathology, Molecular Biology Department, Medical Research Center, Faculty of Medicine, Ain-Shams University Hospitals*** *for her sincere help, and great patience. Really, she gave me generously of her time, I would like to express my deepest thanks for her continuous encouragement, help and support.*

I would like to express my deepest thanks to ***Dr. Menna Allah Shaban*** *for her help and support.*

At the end I would like to express my sincere gratitude and great indebtedness to those who gave me everything and not waiting for any reward, to my great parents, who taught me how to be a good doctor, who gave me the strength to go on through life and who are always in my back, to the soul of ***my dear sister Yasmin*** *who taught me how to write a thesis on a computer, may God bless her soul and to* ***my four beautiful daughters Farah, Mariam, Lily and little Zeina*** *to whom I owe more than any words can express. Dear family, you are really the candle that lighten my way throughout life, hope to make you always proud of me.*

Finally, my acknowledgement and love to my outstanding husband ***Hisham*** *for his patience, support and kind help throughout my career.*

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List of Abbreviations

ACB	Albumin cobalt binding
ACC	American college of cardiology
ACS	Acute coronary syndrome
ADAM	9-anthryldiazomethane
AMI	Acute myocardial infarction
Angpt1	Angiopoietin like 1 family proteins
ANP	Atrial natriuretic peptide
APOA5	Apolipoprotein A5
ApoE	Apolipoprotein E
AS-PCR	Allele specific polymerase chain reaction
ATP	Adenosine triphosphate
cDNA	Complementary DNA
CAD	Coronary artery disease
CETP	Cholesteryl ester transfer protein
CK	Creatine Kinase
DELFIA	Dissociation enhanced lanthanide fluorescence immunoassay
DM	Diabetes mellitus
ECG	Electro-cardiography
EIA	Enzyme immunoassay
ELISA	Enzyme linked immune-sorbent assay
eNOS	Enzymatic nitric oxide synthase
ERs	Estrogen receptors
ESC	European Society of Cardiology
FCHL	Familial combined hyperlipidemia
FFAs	Free fatty acids
FFAu	Free fatty acids unbound
FH	Familial hypercholesterolemia
GAS	γ- activated site
GPBB	glycogen phosphorylase isoenzyme BB
GPIHBP1	Glycosylphosphatidylinositol- anchored high density lipoprotein-binding protein 1
HDL-c	High density lipoprotein cholesterol
HindIII	Hind three
HIV	Human immunodeficiency virus
HLP	hyperlipoproteinemia
HPLC-MS	High performance liquid chromatography-mass spectrometry

HS	Heparan sulphate
Hs-CRP	highly-sensitive C-reactive protein
HSPG	Heparan sulphate –proteoglycans
ICAM-1	Intercellular adhesion molecule-1
IEMA	Immuno-enzymometric assay
IGF	Insulin growth factor
IL-1	Interleukin-1
IMA	Ischemia modified albumin
IRMA	Immuno-radiometric assay
IVUS	Intrvascular ultrasonography
JAK-STAT	Janus kinase- signal transducer and activator of transcription
LCAT	Lecithin cholesterol acyl transferase
LD	Lactate dehydrogenase
LDL-c	Low density lipoprotein cholesterol
LDLR	Low density lipoprotein receptor
LMF-1	Lipase maturation factor 1
Lp(a)	Lipoprotein a
LPL	Lipoprotein lipase
LRP	LDL receptor related protein
MAbs	Monoclonal antibodies
MCA	Melting curve analysis
MCP-1	Monocyte chemotactic protein-1
McSNP	Melting curve analysis of SNPs
MI	Myocardial infarction
MLPA	Multiplex ligation- dependent probe amplification assay
MMP	Matrix metalloproteinase
MOH	Ministry of health
MPO	Myeloperoxidase
MTHFR	Methylenetetrahydrofolate reductase
$NADPH^{+}$	Nicotinamide dinucleotide phosphate
NCEP-ATP III	National cholesterol education program and adult treatment panel III
NSTEMI	Non-ST-segment elevation myocardial infarction
PAI-1	Plasminogen activator inhibitor -1
PAPP-A	Pregnancy-associated plasma protein A
PDGF	Platelet derived growth factor
PHP	post heparin plasma
PI3K	phosphoinositol 3 phosphate
PKC	Protein kinase C

PLCHO	Plasma choline
PLGF	Placental growth factor
PPAR	Peroxisome proliferator activated receptor
PPRE	Peroxisome proliferator response element
RAP	receptor associated protein
RFLP-PCR	Restriction fragment length polymorphism – polymerase chain reaction
S447X	Ser 447X
sCD40L	Soluble CD40 ligand
SNP	Single nucleotide polymorphism
SSCP	Single strand conformation polymorphism
STEMI	ST elevation myocardial infarction
TAG	Triacylglycerol
TGF-β	Transforming growth factor beta
TGs	Triglycerides
TNF-α	Tumour necrosis factor alpha
TnT	Troponin T
EPIC	European prospective investigation into cancer and nutrition
tPA	tissue plasminogen activator
TRF	Time-resolved fluorometry
UA	unstable angina
VCAM-1	Vascular cellular adhesion molecule-1
VLDL	Very low density lipoproteins
VSMCs	Vascular smooth muscle cells
WBCHO	Whole-blood choline
WHO	World health organization