



Clinical Significance of Platelet Antigen 1/ Platelet Antigen 2 (PLA1/A2) Polymorphism of Integrin $\beta 3$ (ITGB3) Gene in Coronary Artery Disease

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By
Shaimaa Sobeih Ahmed Metwally
M.B., B.Ch.
Master of Clinical Pathology
Ain Shams University

Supervised by

Professor/ Mervat Shafik Mohamed

Professor of Clinical Pathology
Faculty of Medicine, Ain Shams University

Professor/ Hala Abdel Al Ahmed

Professor of Clinical Pathology
Faculty of Medicine, Ain Shams University

Doctor/ Wael Mahmoud Morsy El Kilany

Assistant Professor of Cardiology
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 العظيم

صدق الله العظيم

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LIST OF ABBREVIATIONS

4-AAP	:4-aminoantipyrine
ABCA	:ATP-binding cassette transporter
ACS	:Acute coronary syndrome
AGEs	:Advanced glycosylation end products
AHA	:American heart association
ALOX5AP	:Arachidonate 5-lipoxygenase activating protein
AMI	:Acute myocardial infarction
Apo	:Apolipoprotein
APR	:Acute phase reactant
ARHGAP4	:Rho GTPase activating protein-4
ARMS	:Amplification refractory mutation system
ARRB2	:Beta2-arrestin
ASPCR	:Allele specific polymerase chain reaction
ATP	:Adenosine triphosphate
BMI	:Body mass index
bp	:Base pair
C	:Cytosine
CAD	:Coronary artery disease
Cas	:Cellular apoptosis susceptibility
CD40L	:Cluster of differentiation 40 ligand

List of Abbreviations

cdks	:Cyclin-dependent kinases
CHE	:Cholesterol esterase
CHO	:Cholesterol oxidase
CI	:Confidence intervals
CIB	:Calcium- and integrin-binding protein
CK	:Creatine kinase
CRP	:C-reactive protein
CTCA	:Computed tomography coronary angiography
cTn	:Cardiac troponin
CXCR4	:CXC chemokine receptor 4
CYP27A1	:Cytochrome P450 family 27 subfamily A member 1
ddNTPs	:Dideoxynucleotides triphosphates
df	:Degree of freedom
DM	:Diabetes mellitus

ABBREVIATIONS (Cont.)

DNA	:Deoxyribonucleic acid
dNTPs	:Deoxyribonucleotides triphosphates
ECG	:Electrocardiography
ECGF1(TYMP)	:Platelet derived endothelial cell growth factor 1 (thymidine phosphorylase)
ECM	:Extracellular matrix
EGF	:Epidermal growth factor
FA	:Focal adhesions
FAK	: Focal adhesion kinase
FERM	:Domain 4.1 band, Ezrin, Radixin, and Moesin homology domain
GK	:Glycerol kinase
GP	:Glycoprotein
GPO	:Glycerol phosphate oxidase
GWAS	:Genome-wide association studies
H₂O₂	:Hydrogen peroxide
HDL-C	:High density lipoprotein cholesterol
HRM	:High resolution melting curve
hs	:High sensitive
ICAM	:Intercellular adhesion molecule
ICAP	:Integrin cytoplasmic domain associated Protein

List of Abbreviations

IL	:Interleukin
ILK	:Integrin-linked kinase
IMA	:Ischemia modified albumin
ITGB3	:Integrin β_3
LCAT	:Lecithin cholesterol acyltransferase
LDL-C	:Low density lipoprotein cholesterol
LDLRAP1	:LDL receptor adaptor protein 1
Let-7a	:Lethal-7a
Leu33Pro	:Leucine33Proline
LGALS2	:Galectin 2
LOX-1	:Lectin-like oxidized low-density lipoprotein receptor-1
Lp a	:Lipoprotein a
Lp-PLA2	:Lipoprotein-associated phospholipase A2

ABBREVIATIONS (Cont.)

LRP6	:LDL receptor related protein 6
LTA	:Lymphotoxin alpha
MEF2A	:Monocyte enhancer factor 2A
Mg²⁺	:Magnesium ion
MIDAS	:Metal ion-dependent adhesion site
miRNAs	:Micro-ribonucleic acids
MPO	:Myeloperoxidase
MYO	:Myoglobin
NAIT	:Neonatal alloimmune thrombocytopenia
NO	:Nitric oxide
NSTEMI	:Non-ST elevation myocardial infarction
OR	:Odds ratios
PAI	:Plasminogen activator inhibitor
PAPP-A	:Pregnancy-associated plasma protein-A
PASA	:Polymerase chain reaction amplification of specific alleles
PCR	:Polymerase chain reaction
PCSK9	:Pro-protein convertase subtilisin kexin type 9
PIM-2	:Proviral integrations of monkey virus-2
PIP2	:Phosphatidylinositol 4,5-bisphosphate

List of Abbreviations

PIA	:Platelet antigen
PIGF	:Placental growth factor
POD	:Peroxidase
PSI	:Plexin/semaphoring/integrin
PTB	:Phosphotyrosine-binding
PTP	:Post-transfusion purpura
PTX	:Pentraxin
qPCR	:Quantitative polymerase chain reaction
Rack1	:Receptor for activated protein kinase C
RARRES3	:Retinoic acid receptor responder 3
RFLP	:Restriction fragment length polymorphism
RGD	:Arginine-glycine-aspartic acid
RGS1	:Regulator of G protein signaling 1
ROS	:Reactive oxygen species
SAA	:Serum amyloid A

ABBREVIATIONS (Cont.)

sCD40L	:Soluble CD40 ligand
SD	:Standard deviation
sdLDL	:Small dense low density lipoprotein
SE	:Standard Error of Population
sICAM	:Soluble intercellular adhesion molecule
sLOX	:Soluble lectin-like oxidized low density lipoprotein receptor
SNPs	:Single nucleotide polymorphisms
ST6GALNAC5	:ST6 N-acetylgalactosaminide alpha-2,6-sialyl-transferase 5
STEMI	:ST elevation myocardial infarction
suPAR	:Soluble urokinase plasminogen activator receptor
T	:Thymine
Talin-RS	:Talin rod segment
T-ARMS	:Tetra-primer amplification refractory mutation system
TC	:Total cholesterol
TD	:Tail domain
TG	:Triglycerides
TGF	:Transforming growth factor

List of Abbreviations

TNF	:Tumor necrosis factor
VCAM	:Vascular cell adhesion molecule
VSMCs	:Vascular smooth muscle cells
VWF	:Von willebrand factor

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