

Chemerin: A Novel Adipokine as a Predictor for Coronary Artery Disease in Patients with Metabolic Syndrome

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
قُلْ بِفَضْلِ اللَّهِ وَبِرَحْمَتِهِ فَبِذَلِكَ فَلْيَفْرَحُوا
هُوَ خَيْرٌ مِمَّا يَجْمَعُونَ
صدق الله العظيم

سورة يونس آية (58)



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List of Abbreviations

AHA	: American heart association.
ANOVA	: Analysis of variance
Apo A1	: Apolipoprotein a1
Apo B	: Apolipoprotein b
AS	: Aortic stenosis
AT1-R	: Angiotensin 1 receptor
ATP	: Adenosine triphosphate
AUC	: Area under the receiver operating characteristic curve
BMI	: Body mass index.
BP	: Blood pressure
CABG	: Coronary artery bypass grafting
CAD	: Coronary artery disease
c-AMP	: Cyclic adenosine monophosphate
CCRL2	: Chemokine receptor like 2
CD	: Cluster of differentiation.
cDNA	: Complementary dna.
CE	: Cholesterol esterase
ChemR23	: Chemerin receptor 23
CMKLR1	: Chemokine-like receptor 1.
CRP	: C-reactive protein.
CV	: Coefficient of variation
CVD	: Cardiovascular diseases
DCs	: Dendritic cells
DNA	: Deoxyribonucleic acid
dNTPs	: Thermostable polymerase deoxynucleotides
EAT	: Epicardial adipose tissue

List of Abbreviations (Cont.)

EGIR	: European group for the study of insulin resistance
ELISA	: Enzyme linked immunosorbent assay
ELISA	: Enzyme linked immunosorbant assay
ERK 1/2	: Extracellular signal regulated kinase 1 and 2
FBG	: Fasting blood glucose
FFAs	: Free fatty acids
FN	: False negative
FP	: False positive
FTO	: Fat mass and obesity–associated gene
GPR1	: G protein coupled receptor 1
HDL-C	: High-density lipoprotein cholesterol
HMGB1	: High-mobility group protein b1
HMWR	: High molecular weight adiponectin / total adiponectin ratio
HOMA-IR	: Homeostatic model assessment of insulin resistance
hsCRP	: High-sensitivity c-reactive protein
HSPs	: Heat shock proteins
IDF	: International diabetes federation
IFG	: Impaired fasting glucose
IGT	: Impaired glucose tolerance
IL-10	: Interleukin 10
IL-18	: Interleukin 18
IL-1β	: Interleukin 1 β
IL-6	: Interleukin-6
INF-γ	: Interferon gamma
IQR	: Interquartile range
IR	: Insulin resistance

List of Abbreviations (Cont.)

IRS-1	: Insulin receptor substrate-1
KDa	: Kilodaltons
LDL-C	: Low-density lipoprotein-cholesterol
Lp (a)	: Lipoprotein a
MCP-1	: Monocyte chemotactic protein 1
MDM	: Monocyte derived macrophages
MMPs	: Matrix metalloproteinases
mRNA	: Messenger ribonucleic acid
MS:	: Metabolic syndrome
N	: Number
NCEP- ATP III	: National cholesterol education program- adult treatment panel iii
NCP	: Nitrocellulose paper.
NHLBI	: National heart lung and blood institute
NK	: Natural killer
NPV	: Negative predictive value
Ox-LDL	: Oxidized ldl.
PAI-1	: Plasminogen activator inhibitor 1
PPV	: Predictive value for a positive test
RAAS	: Renin angiotensin-aldosterone system
RELM-β	: Interleukin-2receptor
RETN	: Resistin coding gene
ROC	: Receiver-operating characteristic
ROS	: Reactive oxygen species.
RT-PCR	: Reverse transcriptase polymerase chain reaction
SD	: Standard deviation
SSC	: Skin squamous cell carcinoma
T.Ch	: Total cholesterol

List of Abbreviations (Cont.)

T2DM	: Type 2 diabetes mellitus
TCF7L2	: Transcription factor seven-like two
TG	: Triglycerides
Th-1	: T helper 1
tHcy	: Total homocysteine.
TIG2	: Tazarotene-induced gene 2
TN	: True negative
TNF-α	: Tissue necrosis factor alpha
tPA	: Tissue plasminogen activator
VLDL	: Very low-density lipoprotein
Vs	: Versus.
WC	: Waist circumference
WHO:	: World health organization

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