

Clinical Utility of Serum Lipocalin-2 in Coronary Artery Disease

Thesis

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List of Abbreviations

<i>Abbreviations</i>	<i>Full Term</i>
4-AAP	4-aminoantipyrine
ABCA1	ATP binding cassette transporter
ACS	Acute coronary syndrome
ADP	Adenosine diphosphate
AKI	Acute kidney injury
AMI	Acute myocardial infarction
ANOVA	Analysis of variance
AST	Aspartate transaminase
AT-1	Angiotensin II type 1
ATP	Adenosine triphosphate
AUC	Area under curve
BARI	Bypass Angioplasty Revascularization Investigation
BMI	Body mass index
CAD	Coronary artery disease
CASS	Coronary Artery Surgery Study
CD40L	CD40 ligand
CE	Cholesterol esterase
CK	Creatine kinase
CK-BB	Creatine Kinase BB Fraction
CKD	Chronic kidney disease
CK-MB	Creatine Kinase MB Fraction
CK-MM	Creatine Kinase MM Fraction
CMRI	Cardiac magnetic resonance imaging
CO	Cholesterol oxidase

List of Abbreviations (cont...)

CRP	C reactive protein
CSF	Cerebrospinal fluid
CT	Computed tomography
CTA	Computerized tomography angiogram
cTn	Cardiac troponin
cTn C	Cardiac troponin C
cTn I	Cardiac troponin I
cTnT	Cardiac Troponin T
CVD	Cardiovascular diseases
CYBA	Cytochrome B-245, Alpha Polypeptide
dsDNA	Double stranded DNA
ECG	Electrocardiogram
EGF	Epidermal growth factor
EGFR	Epidermal growth factor receptor
ELISA	Enzyme- linked immunosorbent assay
ESC/ACC	European Society of Cardiology and the American College of Cardiology
FFA	Free fatty acid
FRISC II	Fragmin and Fast Revascularization During Instability in Coronary Artery Disease II
GFR	Glomerular filtration rate
GK	Glycerol kinase
GO	Glycerophosphate oxidase
GRs	Glucocorticoid receptor
HCL	Hydrochloric acid

List of Abbreviations (cont...)

HDL-C	High density lipoprotein cholesterol
HPLC	High performance liquid chromatography
HS	Highly significant difference
hs CRP	High sensitivity CRP
ICAM-1	Intercellular adhesion molecule-1
IFG	Impaired fasting glucose
IGF	Insulin-like growth factor
IGT	Impaired glucose tolerance
IL-1	Interleukin-1
IL-17	Interleukin-17
IL-3	Interleukin-3
IL-6	Interleukin-6
kDa	Kilodalton
LDH	Lactate dehydrogenase
LDL-C	Low density lipoprotein cholesterol
LPS	Lipopolysaccharide
MBP	Major basic protein
MCP-1	Monocyte Chemoattractant Protein
MI	Myocardial infarction
MMP	Matrix metalloproteinase
MPO	Myeloperoxidase
MRA	Magnetic resonance angiography
mRNA	Messenger ribonucleoprotein
MSCT	Multislice CT scans
MtCK	Mitochondrial creatine kinase

List of Abbreviations (cont...)

NCDs	Non communicable diseases
NCEP	National Cholesterol Education Program
NF-κB	Nuclear factor- kappa B
NGAL	Neutrophil gelatinase-associated lipocalin
nm	Nanometer
NO	Nitric oxide
NS	Non-significant difference
NSTEMI	Non-STsegment elevation myocardial Infarction
Ox-LDL	Oxidized-LDL
PAI-1	Plasminogen activator inhibitor-1
PAPP-A	Pregnancy associated plasma protein
PCR	Polymerase chain reaction
PLGF	Placental like growth factor
Q1-Q3	Interquartile range
ROC	Receiver-operating characteristics
rpm	Revolution per minute
S	Significant difference
SA	Stable angina
SAA	Serum amyloid A
SD	Standard deviation
SLE	Systemic lupus erythromatosis
SMCs	Smooth muscle cells
SR	Scavanger receptor
STEMI	STsegment elevation myocardial Infarction
T2DM	Type 2 diabetes mellitus

List of Abbreviations (cont...)

TC	Total cholesterol
TF	Tissue factor
TG	Triglycerides
TLRs	Toll like receptors
TNF-α	Tumor necrosis factor alpha
UA	Unstable angina
Ulipocalin-2	Urinary lipocalin-2
VCAM-1	Vascular-cell adhesion molecule-1
VEGF	Vascular endothelial growth factor
VLDL	Very low density lipoprotein cholesterol
VSMC	Vascular smooth muscle cell
WHO	World Health Organization

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Introduction and Aim of the Work



Review of Literature



Coronary Artery Disease



*Risk Factors of
Coronary Artery
Disease*



Lipocalin-2
