Leptin as Severity Index of Psoriasis and its Correlation to The Metabolic Syndrome

Thesis

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List of Abbreviatons

A °	Angstrome
ACE	Angiotensin converting enzyme
ACRP30	Adipocyte complement-related protein of 30 kDa
AHA	American Heart Association
AMP	Adenosine mono phosphate
AMPK	AMP activated protein kinase
APC	Antigen presenting cells
APM1	Adipose most abundant gene transcript 1
ATP III	Adult Treatment Panel III
BBB	Blood–brain barrier
BMI	Body mass index
BP	Blood pressure
cAMP	Cyclic adenosine mono-phosphate
CD	Cluster of differentiation
CHD	Coronary heart disease
CLA	Cutaneous lymphocyte antigen
COX-2	Cycloxygenase-2
CRP	C- reactive protein
CVD	Cardio-vascular diseases
DASH	Dietary approaches to Stop Hypertension
DB	Diabete
DC	Dendritic cells
iDC	immature dendritic cell
mDC	mature DCs
pDC	plasmacytoid dendritic cells
DNA	Deoxyribonucleic acid
EGF-R	Epidermal growth factor receptor
ELISA	Enzyme linked immunosorbent assay
EPO	Erythropoietin
FA	Fatty acid
FIZZ3	Found in inflammatory zones
GBP28	Gelatin-binding protein 28

GH	Growth hormone
Glu	Glutamine
GM-CSF	Granulocyte-monocyte colony stimulating factor
gp	Glyco-protein
HDL	High density lipoprotein
HIV	Human immune deficiency virus
HLA	Human leukocyte antigen
ICAM-1	Intercellular adhesion molecule-1
Ig	Immunoglobulin
IL	Interleukin
IFN-α	Interferon alpha
IFN-γ	Interferon gamma
iNOS	Inducible nitric oxide synthase
IP-10	INF-γ inducible protein 10
IRAK	IL-1R-associated kinase
IRS	Insulin receptor substrate
JAK	Janus Kinases
Kcal	Kilo calory
KC	keratinocytes
KD	Kilo Dalton
LC	Langerhans cells
LDL	Low density lipoprotein
Lepr	Leptin receptor
LFA	Leuokocyte function associated antigen
LIF	Leukemia inhibitory factor
LR	Leptin receptor
M	Monocyte
MAPK	Mitogen activated protein kinase
MCP-1	Monocyte chemoattractant protein- 1
MHC	Major Histocompatability Complex
MIG	Monokine induced by INF-γ
MIP	Macrophage inflammatory protein
MS	Metabolic syndrome

m RNA	Messenger Ribonucleic acid
NHANES	National Health and Nutrition Examination Survey
NK	Natural killer
NPY	Neuropeptide Y
OB	Obese
PAI-1	Plasminogen activator inhibitor-1
PASI	Psoriasis area and severity index
PGE2	Prostaglandin E2
PI3K	Phosphatidylinositol 3 kinase
POMC	Pro-opiomelanocortin
PUVA	Psoralen plus ultra-violet A rays
RA	Rheumatoid arthritis
RANTES	Regulated upon activation, normal T cells expressed and secreted
SAT	Subcutaneous adipose tissue
SCID	Severe combined immunodeficiency
SD	Standard deviation
SH	Disulphahydryl groups
SLR	Soluble leptin receptor
SOCS3	Suppressor of cytokine signaling
STAT	Signal Transducers activators of Transcription
T-AP	Tcells- antigen presenting
TARC	Thymus and activation regulated chemokine
Tc	T cytotoxic
TCR	T cell rceptor
TGs	Triglycerides
TGF-α	Transforming growth factor α
TGF-β	Transforming growth factor β
Th	T helper
TNF-α	Tumour necrosis factor
TRH	Thyrotropin releasing hormone
Trp	Tryptophan
Tyr	Tyrosine
T2D	Type 2 diabetes

UVB	Ultraviolet B
UVA	Ultraviolet A
VAT	Visceral adipose tissue
VCAM-1	Vascular cell adhesion molecule-1
VEGF	Vascular endothelial growth factor
VLA-4	Very late antigen 4
VLDL	Very low density lipoprotein
WAT	White adipose tissue

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