A Study of Serum Fetuin-A in Male patients with Type 1 Diabetes Mellitus: Association with Insulin Resistance and possible role of Metformin Therapy

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List of Abbreviations

2-hr PG	2-hours plasma glucose
AACE	American Association of Clinical Endocrinologists
ADA	American diabetes association
AHSG	Alpha-2 heremans schmid glycoprotein (Fetuin-A)
BMI	Body mass index
BMP	Bone morphogenetic protein
CACT1	Coronary Artery Calcification in type 1 Diabetes
CDC	Center for disease control and prevention
CGMs	Continuous glucose monitors
CHD	Coronary heart disease
CPPs	Calciprotein particles
CRP	C-reactive protein
CT	Computed tomography
CVD	cardiovascular disease
DBP	Diastolic blood pressure
DCCT	Diabetes Control and Complications Trial
DM	Diabetes Mellitus
DSM-IV	Diagnostic and Statistical Manual of Mental Disorders, 4th Edition
EDC	Epidemiology of Diabetes Complications
EDIC	Epidemiology of Diabetes Interventions and Complications Study
eGDR	Estimated glucose disposal rate
ELISA	Enzyme-linked immunosorbent assay
FFAs	Free fatty acids

List of Abbreviations (Cont.)

FPG	Fasting plasma glucose
GAD	Glutamic acid decarboxylase
GADA	Glutamic acid decarboxylase autoantibody
GI	Gastrointestinal
GLP-1	Glucagonlike peptide 1
GLUT-4	Glucose transporter 4
HAIR-AN	Hyperandrogenism, insulin resistance, and acanthosis nigricans
HbA1c	Glycated haemoglobin
HDL-C	High-density lipoprotein cholesterol
HLA	Human leukocyte antigen
HOMA-IR	Homeostasis model assessment-insulin resistance
HR	Hazard ratio
HS	Heremans Schmid
hs-CRP	High sensitive C-reactive protein
HTN	Hypertension
IA-2	Insulinoma-associated autoantibody
ICA	Islet cell autoantibody
IDF	International diabetes federation
IFG	Impaired fasting glucose
IGF-1	Insulin-like growth factor -1
IgG	Immunoglobulin G
IGT	Impaired glucose tolerance
IMCLs	Intramyocellular lipids
INS	Insulin gene
IR	Insulin resistance

List of Abbreviations (Cont.)

IRS	Insulin resistance syndrome
IRS-1	Insulin receptor substrate-1
kDa	Kilo Dalton
LADA	Latent autoimmune diabetes of the adult
LDL	Low-Density Lipoprotein
MetS	Metabolic syndrome
MHC	Major histocompatibility complex
NCEP/ATP III	National Cholesterol Education Program/Adult Treatment Panel III
NGSP	National Glycohemoglobin Standardization Program
NPH	Neutral Protamine Hagedorn
OGTT	Oral glucose tolerance test
OR	Odds ratio
PAI-1	Plasminogen activator inhibitor -1
PCOS	Polycystic ovary syndrome
SBP	Systolic blood pressure
SD	Standard deviation
T1DM	Type 1 Diabetes mellitus
T2DM	Type 2 diabetes mellitus
T2R	Type II receptor
TEDDY	Multinational Environmental Determinants of Diabetes in the Young
TG	Triglycerides
TGF-B	Transforming growth factor-beta
TGF-b/BMP	Transforming growth factor-beta/bone morphogenetic proteins

List of Abbreviations (Cont.)

TLR4	Tolllike receptor 4
VLDL	Very low density lipoproteins
VNTR	Variable number of tandem repeats
WHO	World Health Organization
WHR	Waist-to-hip ratio
ZnT8	Zinc transporter autoantibody

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