

Serum Phosphate Level and Insulin Resistance in Obese Non-diabetic Children

Thesis

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بسم الله الرحمن الرحيم

إقرأ باسم ربك الذي خلق^(١)
خلق الإنسان من علق^(٢)
إقرأ وربك الأكرم^(٣)
الذي علم بالقلم^(٤)
علم الإنسان ما لم يعلم^(٥)

صدق الله العظيم

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List of Abbreviations

Abb.	Meaning
AACE	American Association of Clinical Endocrinologists
AAP	American Academy of Pediatrics
AAP	American Academy of Pediatrics
ACE	Angiotensin Converting Enzyme
ALP	Alkaline phosphatase
ALT	Alanine transferase
AN	Acanthosis nigricans
AST	Aspartate transferase
ATP	Adenosin Triphosphate
ATPIII	Adult Treatment Panel III
AVP	Arginin Vasopressin
BMI	Body mass index
BP	Blood pressure
Ca	Calcium
CHD	Congenital heart disease
CHO	Carbohydrates
cm	Centimeter
CNS	Central nervous system
Cr	Creatinine
CRH	Corticotropin Releasing Hormone
CVD	Cardiovascular disease
DHEA	Dehydroepiandrosterone
DM	Diabetes Mellitus
DMT2	Diabetes MellitusType2
EGIR	European Group for the Study of Insulin Resistance
FFA	Free Fatty Acids
FG/IR	Fasting Glucose/Insulin Ratio
FSGS	Focal segmental glomerulosclerosis
FSIVGTT	Frequently sampled IV glucose tolerance test
GGT	Gamma glutamyl transpeptidase

List of Abbreviations (cont...)

Abb.	Meaning
GH	Growth Hormone
GIT	Gastrointestinal tract
Glu	Glucose
HDL	High-density lipoprotein
HOMA	Homeostatic model assessment
HOMA-IR	Homeostasis model assessment of insulin resistance
HP	Hip circumference
HPA	Hypothalamic Pituitary Axis
hr	Hours
Ht	Height
HTN	Hypertension
IDDM	Insulin dependent diabetes mellitus
IDF	The new International Diabetes Federation
IGFBP-1	Insulin like growth factor binding protein-1
IGF-I	Insulin like growth factor-1
IGT	Impaired Glucose Tolerance
IOTF	International Obesity Task Force
IR	Insulin resistance
IRS	Insulin resistance syndrome
IV	Intravenous
Kg	Killogrammes
LDL	Low density lipoprotein
LGA	Large for gestational age
Max	Maximum
Mg	Magnisum
Min	Minute
Min	Minimum
ML	Mililitter
NAFLD	Non-alcoholic fatty liver disease
NASH	Non-alcoholic steatohepatitis
NCEP	National Cholesterol Education Program

List of Abbreviations (cont...)

Abb.	Meaning
NCEP-ATP III	National Cholesterol Education Program - Adult Treatment Panel III modified
NIDDM	Non insulin dependent diabetes mellitus
no	Number
OGTT	Oral glucose tolerance tests
PAI-1	Plasminogen activator inhibitor
PCOS	Polycystic ovarian syndrome
POMC	Proiomelanocortin
PTH	Parathyroid Hormone
SCFE	Slipped capital femoral epiphysis
SD	Standard deviation
SDS	Standard deviation scores
SES	Socioeconomic status
SGA	Small for gestational age
T.V	Television
TCL	Total cholesterol level
TG	Triglycerides
TNF	Tumor necrotic factor
TZDs	Thiazolidinediones
UK	United Kingdom
USA	United States of America
VLDL	Very low density lipoprotein
W/H	Waist/Hip
WC	Waist circumference
WHO	World Health Organization
WHR	Waist hip ratio