Assessment of Anti-mullerian Hormone Level in Polycystic Ovarian Disease Before and After Treatment with Metformin

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بسم الله الرحمن الرحيم

قالوا

سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم الحكيم

صدق الله العظيم

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List of Abbreviations

3β-HSD	3β–hydroxysteroid dehydrogenase
AFC	Antral follicle count
AMH	Anti – Mullerian hormone
AMHR2	the type II AMH receptor
AMPK	Adenosine monophosphate -activated protein kinase
ART	Assisted reproductive technology
ASRM	The American Society for Reproductive Medicine
ATP	Adenosine triphosplate
BMI	Body mass index
BMP-15	Bone Morphogenetic Protein 15
cAMP	Cyclic adenosine monophosphate
CKD	Chronic kidney disease
Cmax	Maximum plasma concentrations
CSC	Cancer stem cell
CT scan	Computed tomography
CVD	Cardiovascular diseases
CYP	Cytochrome p450
DHEA-S	Dehydroepiandrosterone sulfate
DM2	Diabetes mellitus type 2
DPP-4 inhibitors	Dipeptidyl peptidase-4 inhibitor
DSL	Diagnostic Systems laboratories
ELISA	Enzyme-linked immunosorbent assay
ESHRE	The European Society for Human Reproduction and Embryology
FAI	Free androgen index
FG score	Ferriman Gallwey score
FH	Family history
FHA	Functional hypothalamic amenorrhea
FSH	Follicle stimulating hormone
FTO gene	Fat mass and obesity-associated gene
GCs	Granulosa cells
GCT	Granulosa cell tumour
GDM	Gestational diabetes mellitus
GIT	Gastro intestinal tract
GLUT4	Glucose transporter type 4
GnRH	Gonadotropin releasing hormone
G	Gram

H2-receptor	Histamine 2-receptor
HbA1c	Hemoglobin A1C (Glycosylated hemoglobin)
hMG	human menopausal gonadotropins (hMG)
HRP	Horseradish peroxidase
ICSI	Intra cytoplasmic sperm injection
IDF	International Diabetes Federation
IGT	Impaired glucose tolerance
IHD	Ischaemic heart disease
IVF	In vitro fertilisation
kDa	Killo Dalton (atomic mass unit)
kg	killogram
kg/m2	Killigram/meter 2
LDL	Low density Lipoprotein cholesterol
LH	Leutinizing hormone
LH/FSH ratio	Leutinizing hormone/ Follicle stimulating hormone ratio
MALA	Metformin-associated lactic acidosis
MG	Milligram
N	Number
NAD	Nicotinamide adenine dinucleotide
NAFLD	Non-alcoholic fatty liver disease
NASH	Non-alcoholic steatohepatitis
Ng/ml	Nanogram per millilitre
NIH	National institutes of health
Nm	Nanometer
OCPs	Oral contraceptive pills
OHSS	Ovarian hyper stimulation syndrome
P	parity
PCOD	Polycystic ovarian disease
PCOM	Polycystic ovarian morphology
PCOS	Polycystic ovarian syndrome
PKA	Protein kinase A
PMDS	Persistent Müllerian duct syndrome
SD	Standard deviation
SGA	Small for gestational age
SHBG	Sex hormone–binding globulin
SPSS	Statistical Package for Social Sciences
SST	Serum separator tube
T2DM	Type 2 diabetes mellitus
T3	Triiodothyronine

TGF	Transforming growth factor
TGF-β	Transforming growth factor-β
TRH	Thyrotropin-Releasing Hormone
TSH	Thyroid stimulating hormone
UK	United kingdom
UKPDS	The United Kingdom Prospective Diabetes Study
US	United states
USA	The United States of America
Yr	Years

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