
***The Value of Measurement of Basal Serum
Follicle Stimulating Hormone, Day 5 Serum
Inhibin B and Follicular Fluid Vascular
Endothelial Growth Factor in Prediction of
Success of Intra-Cytoplasmic Sperm Injection***

Thesis submitted for partial fulfilment
of MD Degree in Obstetrics & Gynecology

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

و علمك ما لم تكن تعلم و كان
فضل الله عليك عظيما

صدق الله العظيم

النساء " 113 "

Dedication...

To My Dear Father

My Dear Mother

My Dear Sister & family

*Finally yet importantly, this work
and my whole career are indebted to
the never-ending love and support of*

My Beloved Wife

And My Sweet Son

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LIST OF ABBREVIATIONS

AFC	Antral Follicle Count
aFGF	Acidic fibroblast growth factor
AMH	Antimullerian Hormone
AR	Acrosome reaction
ART	Assisted Reproduction Techniques
AUC	Area Under The Curve
AZF	Azoospermia factors
bFGF	Fibroblast growth factor
bFSH	Basal FSH
BMI	Body Mass Index
CBAVD	Congenital bilateral absence of the vas deferens
CCCT	Clomiphene citrate challenge test
COS	Controlled Ovarian Stimulation
CPR	Clinical Pregnancy Rate
CRH	Corticotrophin-releasing hormone
CRP	C-reactive protein
DIPI	Direct intraperitoneal insemination
E2	Estradiol
EBP	Egg-binding proteins

Appendix

EFORT	Exogenous FSH ovarian reserve test
EIFT	Embryo intrafallopian transfer
ET	Embryo Transfer
FF	Follicular Fluid
FSH	Follicle Stimulating Hormone
FSP	Fallopian tube sperm perfusion
GAST	GnRH agonist stimulation test
GD- VEGF	Glioma-derived vascular endothelial growth factor
GIFT	Gamete intrafallopian transfer
GnRH	Gonadotropin Releasing Hormone
GnSIF	Gonadotropin surge-inhibiting factor
hCG	Human Chorionic Gonadotropin
HETE	Hydroxyeicosatetraenoic acid
hMG	Human Menopausal Gonadotropin
ICSI	Intracytoplasmic Sperm Injection
IGF	Insulin-like growth factors
ITI	Intratubal insemination
IUI	Intrauterine insemination
IVF	In-Vitro Fertilization
LH	Luteinizing Hormone

Appendix

LPO	Lipid peroxidation
MDA	Malonaldehyde
MESA	Multi-Ethnic Study of Atherosclerosis
MIS	Mullerian-inhibiting substance
NO	Nitric Oxide
NTD	Neural tube defect
OC	Oral contraceptive
OCC	Oocyte-cumulus complex
OHSS	Ovarian Hyperstimulation Syndrome
OMI	Oocyte maturation inhibitor
OOR	Oocyte Retrieval
OPU	Ovum pickup
ORTs	Ovarian reserve tests
P	Progesterone
PCO(S)	Polycystic Ovaries (Syndrome)
PDGF	Platelet derived growth factor
PECAM-1	Platelet endothelial cell adhesion molecule-1
POST	Peritoneal oocyte sperm transfer
PROST	Pronuclear stage tubal transfer
PSV	Peak systolic velocity