

**Anti-Mullerian Hormone as a
Prognostic Marker in Intracytoplasmic
Sperm Injection for Patients with
Unexplained Infertility**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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List of Abbreviations

ARSM	American Reproductive Society of Medecine
AMH	Anti-Müllerian hormone
AFC	Antral follicle count
AUC	Area under curve
ARTs	Assisted reproductive technologies
BMI	Body mass index
BMP-6	Bone morphogenic protein-6
COH	Controlled ovarian hyperstimulation
COS	Controlled ovarian stimulation
ELISA	Enzyme linked immunosorbent assay
FSH	Follicle stimulating hormone
FF AMH	Follicular fluid anti-Mullerian Hormone
GIFT	Gamete intrafallopian transfer
GV	Germinal-vesicle
GnRH	Gonadotrophin-releasing hormone
GC	Granulosa cells
HCG	Human chorionic gonadotropin
HP	Hyperprolactinemia
IVF	In vitro fertilization
IVM	In vitro maturation
ICSI	Intracytoplasmic sperm injection
IUI	Intrauterine insemination
LBRs	Live birth rates
LR	Low ovarian response

List of Abbreviations (Cont.).

LR-	Likelihood ratio negative
LR+	Likelihood ratio positive
LUFS	Luteinized unruptured follicle syndrome
LH	Luteinizing hormone
MI	Metaphase-I
MII	Metaphase-II
MESA	microsurgical epididymal sperm aspiration
MR	Miscarriage rate
MRs	miscarriage rates
MIS/AMH	Mullerian Inhibiting Substance/Anti-Mullerian Hormone
NOA	Non obstructive azoospermia
NPV	Negative predictive value
OR	Odds ratio
OHSS	Ovarian hyperstimulation syndrome
PID	Pelvic inflammatory disease
PESA	Percutaneous epididymal sperm aspiration
PCOD	Poly Cystic Ovarian Disease
PCOS	Polycystic ovaries syndrome
PPV	Positive predictive value
PR/ET	Pregnancy rates per embryo transfer
PRs	Pregnancy rates
PGT	Preimplantation genetic testing
PCC	Premature chromosomal condensation
PROST	Pronuclear stage tubal transfer
ROC	Receiver operating characteristic
ROSI	round spermatid injection
ROSNi	Round spermatid nucleus injection
STD	Sexually transmitted disease
SET	Single-embryo transfer
S.D	Standard deviation

List of Abbreviations (Cont.).

TESE	Testicular sperm extraction
TSH	Thyroid stimulating hormone
TRH	Thyrotropin releasing hormone
T4	Thyroxine
TFF	Total failed fertilization
TGF- β	Transforming growthfactor- β
TEM	Transmission electron microscopy
T3	Triiodothyronine
U.S.	United States
VIP	Vasoactive intestinal peptide
WHO	World health organization
ZIFT	Zygote intrafallopian transfer

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