List of contents		Page
List of abbreviations		iii
List of Figures		vi
List of tables		vii
Introduction		1
Aim of the work.		7
Chapter 1: Fertility		8
Induction of	of ovulation	16
Assisted re	productive technique	17
Ovarian hy	perstimulation syndrome	18
Chapter 2:Fertility in female renal transplant recipient		22
Recommen	dations of the optimal management	of
pregnant, c	hronic renal failure patients.	25
Appropriat	e and effective contraception	in
transplant 1	recipients	27
Effect of in	nmunosuppressive drugs on fertility	28
Use of in	vitro fertilization in renal transpl	ant
recipient.		41
Chapter 3:Effect of imm	unosuppressive drugs on female	52
fertility		
Summary and conclusi	on	68
References		70
<b>Arabic Summary</b>		95

## List of abbreviations

**AIDS** Acquired Immunodeficiency Syndrome

**ART** Assisted Reproductive Technique

**cAMP** cyclic Adenosine Monophosphate

**CC** Clomiphene Citrate

**CKD** Chronic Kidney Disease

**COH** Controlled Ovulation Hyperstimulation

**CRF** Chronic Renal Failure

**CsA** Cyclosporin A

**CYC** Cyclophosphamide

**DVT** Deep Venous Thrombosis

E2 Estrogen

**ESRD** End-Stage Renal Disease

**FDA** Food and Drugs Administration

**FSH** Follicular Stimulating Hormone

**GIFT** Gamete Intrafallopian Transfer

**GnRH** Gonadotropin-Releasing Hormone

**HBV** Hepatitis B Virus

**HCV** Hepatitis C Virus

**HLA** Human Leucocytic Antigen

**HTN** Hypertension

**HPO axis** Hypothalamic Pituitary Ovarian Axis

**IBD** Irritable Bowel Syndrome

**IgG** Immunoglobulin G

**K/DOQI** Kidney Disease Outcomes Quality Initiative

**LH** Luteinizing Hormone

MHC Major Histocompitability Complex

**MMF** Mycophenolate mofetil

**MP** mercaptopurine

**NK** Natural Killer cells

**OHSS** Ovarian Hyperstimulation Syndrome

P Progesterone

**PCOS** Polycystic Ovarian Syndrome

**POF** Premature Ovarian Failure

**PRL** Prolactin

**RRT** Renal Replacement Therapy

**RTR** Renal Transplant Recipient

**SHBG** Sex Hormone-Binding Globulin

**SLE** Systemic Lupus Erythematosus

**TOR** Target Of Rapamycin

**USPSTF** U.S. Preventive Services Task Force

**USRDS** United States Renal Data System

**VEGF** Vascular Endothelial Growth Factor

**ZIFT** Zygote Intrafallopian Transfer

## **List of Figures**

subject	Page
Figure 1:	
Hypothalamic –pituitary ovarian axis	8
Figure 2:	
Ultrasound image of polycystic ovary	13

## List of tables

SUBJECT		
Table 1:	36	
Maternal risks of renal transplantation and		
immunosuppression		
Table 2:	37	
Fetal risks of renal transplantation and		
immunosuppression		
Table 3:	38	
Influence of renal allograft function on pregnancy		
outcome		
Table 4:		
.FDA categories for Immunosuppressive Medications		