

CONTENTS

	Page
ACKNOWLEDGEMENT	
Chapter I: Introduction and Aim Of The Work	1
REVIEW OF THE LITERATURE	
Chapter II: Injectable Contraceptives	4
* Advantages	5
* Disadvantages	6
* Acceptability and World Distribution	6
* Discontinuation Rate	7
* Depo Medroxyprogesterone Acetate	9
- Chemistry	9
- Pharmacokinetics	10
- Dose Regimens	11
- Mechanism of Action	12
- Effectiveness	14
- Side Effects	17
- Contraindications	17
- Effect on Reproductive System	18
- Bleeding Pattern	22
- Breast Feeding and Infants	26
- Effect on the Foetus	28
- Metabolic Effects	29
- Effect on Cardiovascular System	34
- Non Contraceptive Uses of DMPA	36
Chapter III: Calcium, Magnesium, Zinc, Copper and Manganese	39
* Calcium	39
* Magnesium	42
* Zinc	46
* Copper	50
* Manganese	54
Chapter IV : Egyptian Experience With Injectable Contraceptives	57
Chapter V : Steroidal Contraceptives And Minerals Metabolism	60
* Combined Progestogen-Oestrogen Oral Pills	60

* Progestogen-Only Oral Pills	66
* Combined Progestogen-Oestrogen Injectables	66
* Progestogen-Only Injectable Contraceptives	67
MATERIAL AND METHODS	
Chapter VI : Material And Methods	71
RESULTS	
Chapter VII : Results	77
DISCUSSION	
Chapter VIII: Discussion	91
SUMMARY	
Chapter IX : Summary	96
REFERENCES	
Chapter X : References	98
APPENDIX	126
ARABIC SUMMARY	