

CONTENTS

	Page
1. ACKNOWLEDGEMENT	
2. INTRODUCTION	1
3. REVIEW OF LITERATURE	10
4. MATERIALS AND METHODS	54
5. OBSERVATIONS	
Normal uterus	75
Normal ovary	77
Normal pregnancy	
a - Preimplantation blastocyst at 129 h P.C.	81
b - Egg-cylinder embryo at 153 h P.C.	82
c - Day eight embryo at 10 a. m.	84
d - Day nine embryo at 10 a. m.	86
B-Sitosterol treated females	
A - Immature female rats treated with different doses of B- sitosterol for changing periods.	
I - Immature female rats treated with different doses of B- sitosterol for 7 consecutive days S/C.	90
II - Immature female rats treated with different doses of B-sitosterol for 15 consecutive days S/C.	99

III- Immature female rats treated with different doses of B-sitosterol for 30 consecutive days S/C.	112
B - Mature female rats treated with different doses of B-sitosterol for changing periods.	
I - Mature female rats treated with different doses of B-sitosterol for 7 consecutive days .	125
II - Mature female rats treated with different doses of B- sitosterol for 30 consecutive days .	130
C - Pregnant female rats treated with 350 ug B-sitosterol for changing periods.	
1. Pregnant female rats treated with 350 ug B-sitosterol for 6 consecutive days .	135
2. Pregnant female rats treated with 350 ug B- sitosterol for 8 consecutive days .	137
3. Pregnant female rats treated with 350 ug B-sitosterol for 3 consecutive days .	138
6. DISCUSSION	140
7. SUMMARY	190
8. REFERENCES	202
9. ARABIC SUMMARY	