

Contents

INTRODUCTION.....	1
AIM OF THE WORK.....	3
REVIEW OF LITERATURE :	
INDUCTION OF LABOR.....	4
Indications for Induction of Labor.....	8
Contraindications to Induction of Labor.....	12
Methods of induction.....	12
Mechanical methods	12
Surgical methods:.....	18
Hormonal methods:.....	23
Complications of induction.....	37
PROSTAGLANDINS.....	44
Prostaglandin biochemistry:.....	46
Biosynthesis of prostaglandins.....	48
Metabolism:.....	54
Physiological roles and pharmacological action of prostaglandin in relation to human reproduction:.....	55
Menstruation and luteolysis.....	59
Central role of prostaglandins in the mechanism of labor.....	60

SYSTEMIC ROUTES OF ADMINISTRATION OF PROSTAGLANDINS	78
THE HUMAN CERVIX.....	90
Histological and biochemical aspects of the ripening of the human cervix...	96
Histologic and biochemical correlates of cervical ripening:.....	99
Evaluation of the cervix.....	109
MISOPROSTOL	117
Pharmacokinetics.....	117
Pharmacodynamics:.....	119
Adverse reactions:.....	122
PATIENTS AND METHODS.....	129
RESULTS.....	134
DISCUSSION.....	160
SUMMARY AND CONCLUSION.....	174
REFERENCES.....	179
ARABIC SUMMARY.....	223