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٢٩٨٩

VAGINAL MISOPROSTOL COMPARED WITH ORAL MISOPROSTOL IN TERMINATION OF SECOND TRIMESTER PREGNANCY

Thesis

Submitted for Partial Fulfillment of Master Degree
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2006



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

(قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا

إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ)

صِرَاطُ اللَّهِ الْعَظِيمِ

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ABSTRACT

INTRODUCTION: The need for safe methods of performing second trimester therapeutic pregnancy termination has increased recently and one of these methods is the use of prostaglandins. Misoprostol which is PGE₁ analogue offers a good, effective and safe method for induction of therapeutic second trimester pregnancy termination.

STUDY DESIGN: A prospective randomized clinical study was conducted in Department of Obstetrics and Gynecology in Benha University Hospital in Kalyobia Governorate during the period from September 2004 till September 2005 in which termination of pregnancy was attempted in 50 women.

AIM OF THE WORK: To compare the efficacy, side effects and acceptability of two different misoprostol regimens: vaginal or oral for induction of mid-trimester therapeutic abortion.

SUBJECTS AND METHODS: 50 women were included in this study. After giving them an initial dose of 800µg vaginally they were divided into 2 groups, group I (oral group) and group II (vaginal group). Group I received 400 µg misoprostol orally every 8 hours and group II were given the same dose vaginally every 8 hours. The protocol was followed for 48 hours after which further management was done.

We compared the two groups according to efficacy and side effects.

RESULTS: Induction time and hospital stay were slightly shorter for the oral group (13.5±5.014 hours) versus (17.4±7.2 hours) for the vaginal group, however the difference was not statistically significant ($P>0.05$), side effects were similar for both groups.

CONCLUSIONS: After an initial 800 µg dose of vaginal misoprostol, a regimen of 400 µg of oral misoprostol every 8 hours is as effective as the same dose of vaginal misoprostol with no additional side effects, which provides a convenient alternative for second trimester pregnancy termination.

CONTENTS

	Page
I- INTRODUCTION.....	1
II- AIM OF THE WORK.....	3
III- REVIEW OF LITERATURE	4
CHAPTER (I): Abortion.....	4
CHAPTER (II): Prostaglandins	26
CHAPTER (III): Misoprostol	48
CHAPTER (IV): Therapeutic applications of misoprostol In obstetrics	58
IV- SUBJECTS AND METHODS	97
V- RESULTS.....	105
VI- DISCUSSION	112
VII-SUMMARY And CONCLUSION.....	119
VIII- RECOMMENDATIONS.....	121
IX- REFERENCES.....	122
X- ARABIC SUMMARY.....	٤١

