Indian Journal of Basic and Applied Medical Research; December 2013: Vol.-3, Issue-1, P.335-339

**Original article:**

**Study of efficacy and acceptability of sublingual misoprostol for early**

**medical abortion**

**Anjula Binaykia**

Associate Professor, Department of Obstetrics and Gynaecology, KPC Medical College, Jadavpur, Kolkata.

**Corresponding author:** Dr. Anjula Binaykia, Associate Professor, Department of Obstetrics and Gynaecology, KPC Medical College, Jadavpur, Kolkata.

**Abstract**

**Aims:** Present study was conducted to determine the efficacy and the side effects of sublingual misoprostol in causing complete expulsion of products of conception in early pregnancy failure.

**Methods**: A hospital based observational, prospective study was conducted from July 2012 to June 2013. Women with an sonographic diagnosis of early pregnancy failure, singleton pregnancy, less than 12 weeks gestation, who had not experienced uterine cramping, no active bleeding (Os closed on per vaginal examination) and were in a normal frame of mind to give consent and willing for a surgical evacuation in case of failure with medication or active bleeding, were included in the study.Total 60 patients were enrolled for study.

**Results:** Mean gestational age was 7.87±1.3 weeks. 51.67% women had an induction abortion interval of 12 to 18 hours. 36.67% aborted in 18 to 24 hrs. Only 5 % aborted in 6 to 12 hours. Mean Induction abortion interval was 17.953.58hours. Duration of induction to abortion interval of more than 24 hours was seen in 6.67% and was considered true drug failure and these women were surgically evacuated. Efficacy of protocol was 93.33% in achieving complete abortion.

**Conclusion:** Misoprostol is an effective abortifacient in terms of its low cost, long shelf life, lack of need for refrigeration and it’s easy availability. The advantage of evacuation by Misoprostol is that it includes no surgery and hence no anesthesia. Present study participants find the highly effective misoprostol regimen acceptable.

**Keywords:** Missed Abortion, Misoprostol, Efficacy, Early Pregnancy Failure.