

## عنوان مقاله:

The Effect of Various Dosages of Misoprostol for Cervical Preparation Before the Hysteroscopy

## محل انتشار:

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## خلاصه مقاله:

**Background & Objective:** Hysteroscopy is an impressive diagnostic and therapeutic procedure for uterine cavity abnormalities. There are several methods for cervical preparation prior to hysteroscopy, among which misoprostol (a prostaglandin E1 analog) is the most common. However, misoprostol has some side effects, including uterine cramps, vaginal hemorrhage, nausea, vomiting, and fever-like feelings, the severity of which escalates by increasing the dosage. Therefore, in this study, we aimed to compare vaginal misoprostol in two different dosages of 200 and 400 µg with a control group to prescribe the lower dosage of misoprostol in case they were equally effective. **Materials & Methods:** In this randomized clinical trial study, 87 patients, who had hysteroscopy indications at Yas Hospital, were randomly assigned into three groups (i.e., 200 µg vaginal misoprostol, 400 µg vaginal misoprostol, and placebo). Afterward, the dilatation time of the cervical response and side effects associated with medication and surgery were assessed. **Results:** The mean dilatation time in the 200 µg misoprostol, 400 µg misoprostol, and placebo groups were 46.7±35.8, 36.8±31.1, and 67.6±49.5 seconds, respectively. These differences were significant (P=0.038). **Conclusion:** It seems that administering vaginal misoprostol is an easy, effective, and safe procedure for cervical preparation before the hysteroscopy. Considering that increasing the dosage of misoprostol did not significantly change the dilatation time, it is recommended that 200 µg misoprostol be used to reduce the side effects.

## کلمات کلیدی:

Misoprostol, Hysteroscopy, Cervical dilatation

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