

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Effect of vaginal misoprostol on cervical priming ic diagnostic dilatation and curettage

Protocol summary

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Summary

The purpose of the present study is to evaluate the effect of vaginal misoprostol on priming the cervix before dilatation in patients who are candidate for this procedure. Methods : A vandomized clinical trial was performed on 60 women who were candidated for dilation and curretage . In 30 patients (case group), 200micro gram misoprostol (one tablet) was administered in posterior fornix of vagina 4 hours before operation , whereas in other 30 patients (control group), placebo was used. Then the two groups were compared according to their need to Hegar dilatator thinner than number 5 for dilatation of cervix and the duration of dilatation and curettage.

Recruitment status

Recruitment complete

Funding source

vice-chancellor for research , Qazvin university of medical sciences and heath services

Expected recruitment start date

2010-09-23, 1389/07/01

Expected recruitment end date

2020-01-21, 1398/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201110084868N3**

Registration date: **2011-12-20, 1390/09/29**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-12-20, 1390/09/29

Registrant information

Name

Khadijeh Elmizadeh

Name of organization / entity

Qazvin University of Medical Sciences

Country

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Phone

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Email address

Scientific title

Effect of vaginal misoprostol on cervical priming ic diagnostic dilatation and curettage

Public title

use of vaginal misoprostol for cervical ripening

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria :patints with abnormal uterine bleeding who are candidate for dilation and curretage exclusion criteria :systemic diseases ; cervical and vaginal infections; history of allergy to prostaglandins ; sever anemia or coagulopathy; anticoagulant therapy; history of cervical surgery;pregnancy; lactation; menopause; suspicious endocervical or exocervical erosions;

Age

From **27 years** old to **50 years** old

Gender

Female

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin , university of medical sciences and health services

Street address

Qazvin

City

Qazvin

Postal code

Approval date

2010-09-22, 1389/06/31

Ethics committee reference number

28/20/4418

Health conditions studied

1

Description of health condition studied

Diseases of the genitourinary system

ICD-10 code

N92

ICD-10 code description

Excessive, frequent and irregular menstruation

Primary outcomes

1

Description

dilation of cervix as much as hegar dilator numbr five

Timepoint

four hour after using drug

Method of measurement

passage of hegar dilator numbr five

Secondary outcomes

1

Description

Decrease in operation time

Timepoint

During operation

Method of measurement

Measurement with chronometer

Intervention groups

1

Description

Intervention:30paitents misoprostol one tablet(200 micro gr)was inserted in the vagina 4 hours before surjery for one time.

Category

Treatment - Other

2

Description

Control :In 30paisents one placebo tablet was inserted in vagina 4hours befor surjery for one time.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Kosar Haspital

Full name of responsible person

Dr Khadijeh Elmizadeh

Street address

, Taleghni stereet , Kosar Hospital, Qazvin City

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Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

vice- chancellor for research , Qazvin univercity of medical sciences and health services

Full name of responsible person

Dr Saeed Asefzadeh

Street address

Shahid Bahonar Blv , Qazvin City

City

Qazvin

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

vice- chancellor for research , Qazvin univercity of
medical sciences and health services

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

Qazvin , university of medical sciences and health
services

Full name of responsible person

Dr Khadijeh Elmizadeh

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Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty