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

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.

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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Recruitment status

Recruitment complete

Funding source

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

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 scienes and health servies
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
City
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
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Person responsible for updating data

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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