Clinical Trial Protocol
Iranian Registry of Clinical Trials

28 Jun 2026

Study on compare of sublingual, rectal and vaginal misoprostol for cervical priming 12 hours before hysteroscopy

Protocol summary

Summary

Randlist software used to divide patients into 6 groups randomly. 100 mcg sublingual misoprostol in group one, 100 mcg rectal misoprostol in second group and 100 mcg vaginal misoprostol in third group were taken. 200 mcg sublingual misoprostol in fourth group, 200 mcg rectal misoprostol in fifth group and 200 mcg vaginal misoprostol in sixth group were taken. 12 hours before hysteroscopy be placed in posterior vaginal fornix. Cervix dilation start in Lithotomy position of 4 hegar dilator before hysteroscopy until first resistance. Dilator number recorded in first resistance and duration between first resistance to hegar 9 dilation recorded. Then hysteroscopy was done and start and end time recorded. Hysteroscopy done with hystroscope with 7mm pod or resectoscope with 9mm external pod. Factors are examined include degree of cervical dilatation before hysteroscopy, dilatation to 9 Hegar length and duration of hysteroscopy, uterine and cervical complications (like bleeding, uterine rupture, cervical laceration and false).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105296626N1**
Registration date: **2011-07-26, 1390/05/04**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2011-07-26, 1390/05/04

Registrant information

Name

Seddighe Abdollahi fard

Name of organization / entity

Tabriz university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 41 1330 4250

Email address

dr-abdollahi@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Science

Expected recruitment start date

2011-04-07, 1390/01/18

Expected recruitment end date

2011-09-06, 1390/06/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study on compare of sublingual, rectal and vaginal misoprostol for cervical priming 12 hours before hysteroscopy

Public title

Study on compare of sublingual, rectal and vaginal misoprostol for cervical priming 12 hours before hysteroscopy

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: All the patients who need diagnostic hysteroscopy and surgery such as: irregular uteral bleeding; inter uteral lesions in hysterosalpangography or sonography. Exclusion criteria: pregnancy; urinary tract infection; history of previous cervix surgery; cervix failure; patient dissatisfaction and prohibition

prostaglandin intake

Age
No age limit

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **120**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tabriz University of Medical Science

Street address
Azadi ave, Golgasht ave, Tabriz University of Medical Science

City
Tabriz

Postal code

Approval date
2011-04-06, 1390/01/17

Ethics committee reference number
5/4/321

Health conditions studied

1

Description of health condition studied
Patients who are candidates for hysteroscopy

ICD-10 code
N85.9

ICD-10 code description
Noninflammatory disorder of uterus, unspecified

2

Description of health condition studied
Patients who are candidates for hysteroscopy

ICD-10 code
N71.9

ICD-10 code description
Inflammatory disease of uterus, unspecified

Primary outcomes

1

Description
Cervix dilation for hysteroscopy

Timepoint
During hysteroscopy

Method of measurement
Hegar

Secondary outcomes

1

Description
Reduce hysteroscopy's complications

Timepoint
After hysteroscopy

Method of measurement
By examination

2

Description
Reduce pain during hysteroscopy

Timepoint
During hysteroscopy

Method of measurement
Ask from patient

Intervention groups

1

Description
100 mcg sublingual misoprostol 12 hours before hysteroscopy,

Category
Diagnosis

2

Description
200 mcg sublingual misoprostol 12 hour before hysteroscopy

Category
Diagnosis

3

Description
100 mcg rectal misoprostol 12 hour before hysteroscopy

Category
Diagnosis

4

Description

200 mcg rectal misoprostol 12 hour before hysteroscopy

Category

Diagnosis

5

Description

100 mcg vaginal misoprostol 12 hour before hysteroscopy

Category

Diagnosis

6

Description

200 mcg vaginal misoprostol 12 hour before hysteroscopy

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

AL-Zahra hospital

Full name of responsible person

Street address

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of medical science

Full name of responsible person

Vise chanceller research of tabriz university of medical science

Street address

azadi ave, golgasht ave, tabriz university of medical science

City

Tabriz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Tabriz University of medical science

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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz university of medical science, AL-zahra hospital

Full name of responsible person

Seddighe Abdollahi

Position

Associate Professor

Other areas of specialty/work

Street address

South artesh ave, Bagh shomal crossroad, Al_zahra hospital

City

Tabriz

Postal code

Phone

+98 41 1553 9161

Fax

Email

dr-abdollahi@tbzmed.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person

Paria Sedaghi

Position

Other areas of specialty/work

Street address

City

Tabriz

Postal code

Phone

Fax

Email

paria_sedaghi@yahoo.com

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