

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of misoprostol administration in second trimester pregnancy termination

Protocol summary

Summary

This study was aimed to compare the therapeutic results of two different regimen of vaginal Misoprostol (every 6 hours vs 12 hours) on the second trimester pregnancy termination. This randomized controlled trial was carried out at Kosar Hospital affiliated to Qazvin University of Medical Sciences and Health Services (Iran) in 2007. 140 pregnant women between 14-28 weeks of gestational age undergoing termination of pregnancy because of fetal anomaly, IUFD, PROM, severe oligohydramnios, or maternal diseases were randomly assigned into two equal groups. The first group received 400µg vaginal Misoprostol every 6 hours and the second group received the same dose of Misoprostol every 12 hours. Primary outcome was duration of induction time after administration of vaginal Misoprostol.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138810193025N1**

Registration date: **2010-03-06, 1388/12/15**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-03-06, 1388/12/15

Registrant information

Name

Farideh Movahed

Name of organization / entity

Qazvin University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 28 1335 0307

Email address

fmovahed@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research, Qazvin University of Medical Sciences and Health Services, Iran

Expected recruitment start date

2007-03-22, 1386/01/02

Expected recruitment end date

2008-01-20, 1386/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of misoprostol administration in second trimester pregnancy termination

Public title

Comparison of misoprostol administration in second trimester pregnancy termination

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women between 14 -28 weeks of gestation undergoing termination of pregnancy because of fetal anomalies, IUFD, PROM, severe Oligohydramnios, maternal diseases. Exclusion criteria: uncontrolled heart diseases, acute asthmatic attack, glaucoma, history of cesarean section more than two times or classic cesarean section, previous incision on uterus, parity>6

Age

From **18 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **140**

Randomization (investigator's opinion)

Randomized

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**

Vice-chancellor for Research, Qazvin University of
Medical Sciences and Health Services, Iran

Street address

Bahonar Blvd, Qazvin

City

Qazvin

Postal code**Approval date**

2008-09-04, 1387/06/14

Ethics committee reference number

28/20/1128

Health conditions studied**1****Description of health condition studied**

Medical abortion

ICD-10 code

O04

ICD-10 code description

Medical abortion

Primary outcomes**1****Description**

Interval between administration of drug and expulsion
of fetus

Timepoint

24 hours, 48 hours after intervention

Method of measurement

Duration, in hours

Secondary outcomes**1****Description**

Total dose of misoprostol administration in termination
of pregnancy

Timepoint

every 6 hours in the first group, every 12 hours in the
second group

Method of measurement

Total dose administered, in microgram

Intervention groups**1****Description**

Misoprostol, 400 mg, vaginal, every 6 hours, within 48
hours

Category

Treatment - Drugs

2**Description**

Misoprostol, 400 mg, vaginal, every 12 hours, within 48
hours

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Kosar hospital, Qazvin

Full name of responsible person**Street address****City**

Qazvin

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice-chancellor for Research, Qazvin University of
Medical Sciences and Health Services, Iran

Full name of responsible person

Dr Saeed Assefzadeh

Street address

Shahid Bahonar Blvd, Qazvin

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 University of Medical Sciences and Health Services, Iran
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
 Vice-chancellor for Research, Qazvin University of Medical Sciences and Health Services, Iran
Full name of responsible person
 Dr Farideh Movahed
Position
 Assitant Professor, Obstetrican & Gynecologist
Other areas of specialty/work
Street address
 Kosar hospital, Qazvin
City
 Qazvin
Postal code
 00982812222452
Phone
 +98 28 1222 2452
Fax
Email
 fmovahed@qums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
 Vice-chancellor for Research, Qazvin University of Medical Sciences and Health Services, Iran
Full name of responsible person
 Dr Farideh Movahed
Position
 Assitant Professor, Obstetrican & Gynecologist
Other areas of specialty/work
Street address
 Qazvin-kosar hospital
City
 Qazvin
Postal code
Phone
 +98 28 1224 2452
Fax
Email
 fmovahed@qums.ac.ir
Web page address

Person responsible for updating data

Contact

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