

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jul 2026

### The effect of adding hyoscine to vaginal misoprostol on shortening the induction time of abortion

#### Protocol summary

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#### Summary

To investigate the effect of adding hyoscine to vaginal misoprostol on shortening the duration of induction of abortion. 126 pregnant women were indicated for induction of abortion and their gestational age were under 20 weeks. Patients were divided randomly in two equal groups. In one group 400µg vaginal misoprostol every 6 hours (n=63) and the other group 400 µg vaginal misoprostol with hyoscine 20 mg intra venous (n=63) were administered. Their complaints such as nausea, vomiting, diarrhea, vaginal bleeding, fever, hemoglobin changes, getting pain killer, the duration of abortion induction, hospitalized duration were compared between two groups.

#### Recruitment status

**Recruitment complete**

#### Funding source

Qazvin University of Medical Sciences

#### Expected recruitment start date

2011-08-23, 1390/06/01

#### Expected recruitment end date

2012-05-17, 1391/02/28

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### General information

#### Acronym

#### IRCT registration information

IRCT registration number: **IRCT201207259491N3**

Registration date: **2012-08-22, 1391/06/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

#### Registration date

2012-08-22, 1391/06/01

#### Registrant information

#### Name

Reyhaneh Ramezaninezhad

#### Name of organization / entity

Qazvin University of Medical Sciences

#### Country

Iran (Islamic Republic of)

#### Phone

+98 28 1223 6374

#### Email address

#### Scientific title

The effect of adding hyoscine to vaginal misoprostol on shortening the induction time of abortion

#### Public title

The effect of adding hyoscine to vaginal misoprostol on shortening the induction time of abortion

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Inclusion criteria: Blighted ovum; Missed abortion; anomalous fetus  
Exclusion criteria: Severe anemia; Quagolopathy; Anti quagulant drugs; Active liver disease; Heart disease; Uncontrolled seizure; Adrenal disease; IUD; Sensitivity to prostaglandins and hyoscine

#### Age

From **17 years** old to **42 years** old

#### Gender

Female

#### Phase

N/A

#### Groups that have been masked

*No information*

## Sample size

Target sample size: **126**

## 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 Science

##### Street address

Bahonar bolvar

##### City

Qazvin

##### Postal code

34197-59811

#### Approval date

2012-06-10, 1391/03/21

#### Ethics committee reference number

28/20/5943

## Health conditions studied

### 1

#### Description of health condition studied

Induction of abortion

#### ICD-10 code

p96.4

#### ICD-10 code description

Termination of pregnancy, affecting fetus and newborn

## Primary outcomes

### 1

#### Description

Opening of internal OS of cervix

#### Timepoint

Before vaginal misoprostol, after vaginal bleeding

#### Method of measurement

Vaginal exam, open or close of internal os of cervix

## Secondary outcomes

### 1

#### Description

Nausea, vomiting, fever, vaginal bleeding, taking pain killers, hemoglobin changes, diarrhea

#### Timepoint

after putting vaginal misoprostole the symptoms asked, hemoglobin measured on admission and 6 hours after curtage

#### Method of measurement

physician

## Intervention groups

### 1

#### Description

Intervention: 400 microgram vaginal misoprostal every 6 hours with single dose hyoscine 20mg intra venous take.

#### Category

Treatment - Drugs

### 2

#### Description

Control: 400 microgram vaginal misoprostol every 6 hours with single dose 20 cc normal saline taken intra venus in serum.

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Kosar Hospital

##### Full name of responsible person

Samira Ghaffari

##### Street address

Taleghani Street

##### City

Qazvin

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Qazvin university of Medical Science

##### Full name of responsible person

Mrs Shamekhi

##### Street address

Bahonar Bolvar

##### City

Qazvin

#### Grant name

#### Grant code / Reference number

#### Is the source of funding the same sponsor

**organization/entity?**

Yes

**Title of funding source**

Qazvin 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****Name of organization / entity**

Kosar Hospital

**Full name of responsible person**

Haj Seyyed Javadi Ezzatolsadat

**Position**

Assistant Professor of Qazvin University of Medical Science

**Other areas of specialty/work****Street address**

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**Web page address****Person responsible for updating data****Contact****Name of organization / entity**

Kosar hospital

**Full name of responsible person**

Samira Ghaffari

**Position**

Resident of obstetric and Gynecology of Qazvin University Of Medical Science

**Other areas of specialty/work****Street address**

Number 22, Ziba Street, Shariati Street

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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*

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

Kosar HOSPITAL

**Full name of responsible person**

Hajseyyed Javadi Ezzatosadat

**Position**

Assistant Professor of Qazvin University of Medical Science

**Other areas of specialty/work****Street address**