

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The effect of hyoscin on duration on the first stage of labor in term pregnancies

Protocol summary

Summary

This study was done to study the effect of IV injection of hyoscine upon delivery progression on 140 term pregnant women who admitted in Kosar hospital in autumn 1388 for pregnancy termination. Women with cephalic presentation, singletone pregnancy, and no contraindication for vaginal delivery were divided in 2 groups. 20mg (1ml) hyoscine was infused to the intervention group and 1ml distilled water was infused to control group as single dose at the beginning of active labour. Duration of the first, second, and third stages of labor, maternal complications, and caesarean section rate during labour and APGAR scores in the neonates were recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138901243025N2**

Registration date: **2010-05-29, 1389/03/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-05-29, 1389/03/08

Registrant information

Name

Farideh Movahed

Name of organization / entity

Qazvin University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice-Chancellor for Reaserch, Qazvin University of Medical Sciences

Expected recruitment start date

2009-09-23, 1388/07/01

Expected recruitment end date

2009-12-21, 1388/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of hyoscin on duration on the first stage of labor in term pregnancies

Public title

The effect of hyoscin on the first stage of labor

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: term pregnancy, cephalic presentation, single tone pregnancy Exclusion criteria: having contraindication for vaginal delivery

Age

No age limit

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)
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
Street address
Bahonar Blvd., Qazvin
City
Qazvin
Postal code
Approval date
empty
Ethics committee reference number
28/20/2663

Health conditions studied

1

Description of health condition studied
Duration of first stage of labor
ICD-10 code
O80.9
ICD-10 code description
Single spontaneous delivery, unspecified

Primary outcomes

1

Description
Duration of the first stage of labor
Timepoint
The interval since initiation of active phase until complete cervical dilatation
Method of measurement
Time in minutes

Secondary outcomes

1

Description
Duration of second stage of labor
Timepoint
The interval between complete cervical dilatation and fetus expulsion
Method of measurement
Time in minutes

2

Description
Duration of third stage of labor
Timepoint
The interval between fetus expulsion and remove of placenta
Method of measurement
Time in minutes

Intervention groups

1

Description
Hyoscin, 20 mg (1ml), intravenous injection, during active phase of labor
Category
Treatment - Drugs

2

Description
Distilled water, 1ml, intravenous injection, during active phase of labor
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Kosar Hospital
Full name of responsible person
Street address
Kosar Hospital, Taleghani Sreet, Qazvin
City
Qazvin

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Qazvin University of Medical Sciences
Full name of responsible person
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
Qazvin University of Medical Sciences

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

Full name of responsible person
Farideh Movahed

Position
Assitant Professor Of Obstetrics & Gynecology

Other areas of specialty/work

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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