Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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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+98 28 1335 0307

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fmovahed@qums.ac.ir

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 Hospitol

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
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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