Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of misoprostrol and oxytocin in reduction of postpartum hemorrhage

Protocol summary

Summary

Objective: To compare the effect of 400 µg of oral misoprostrol with 10 IU of intravenous oxytocin in preventing postpartum hemorrhage. A randomized controlled trial conducted on 300 pregnant women with these inclusion criteria: pregnant women with singleton pregnancy, cephalic, spontaneous and induced delivery, term pregnancy. Hemoglobin and Hematocrit were measured in admission and 24h after delivery in order to compare drugs in reduction of postpartum hemorrhage. Studied women received either 400µg of oral misoprostrol or 10 IU of intravenous oxytocin after delivery of the anterior shoulder or within1 min of delivery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812223548N1**
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

Simindokht Moradi

Name of organization / entity

Qazvin university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 28 1366 6770

Email address

smoradi@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Qazvin university of medical scienceس

Expected recruitment start date

2009-12-22, 1388/10/01

Expected recruitment end date

2010-02-19, 1388/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of misoprostrol and oxytocin in reduction of postpartum hemorrhage

Public title

The effect of misoprostrol in reduction of postpartum hemorrhage

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women with singleton pregnancy, cephalic, spontaneous and induced delivery, term pregnancy. Exclusion criteria: instrumental delivery, TL during 24h after delivery, past history of abruption placenta, history of asthma, coagulopathy, history of postpartum hemorrhage, history of C/S.

Age

No age limit

Gender

Female

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **300**

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

Qazvin university ofmedical sciences

Street address

Bahonar Blv.

City

Qazvin

Postal code

Approval date

2009-11-09, 1388/08/18

Ethics committee reference number

229

Health conditions studied

1

Description of health condition studied

reduction of postpartum haemorrhage

ICD-10 code

O72.1

ICD-10 code description

Other immediate postpartum haemorrhage

Primary outcomes

1

Description

reduction of postpartum hemorrhage

Timepoint

in admission at labour and 24h after delivery

Method of measurement

blood sampling and CBC

Secondary outcomes

empty

Intervention groups

1

Description

10 IU oxytocin administration

Category

Treatment - Drugs

2

Description

400 microgram misoprostrol administration

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Kosar hospitol

Full name of responsible person

Simindokht Moradi

Street address

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 Bulvar

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
Simindokht Moradi

Position
Resident of GYN & OB

Other areas of specialty/work

Street address
Kosar Hospital

City
Qazvin

Postal code

Phone
+98 28 1366 6770

Fax

Email
simindokht56@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Qazvin University Of Medical Sciences

Full name of responsible person
Simindokht Moradi

Position
Resident of GYN & OB

Other areas of specialty/work

Street address
Kosar Hospital

City
Qazvin

Postal code

Phone
+98 28 1366 6770

Fax

Email
simindokht56@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person
Simindokht Moradi

Position

Other areas of specialty/work

Street address

City

Postal code

Phone

Fax

Email

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