

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jun 2026

Effect of intraumbilical oxytocin on the third stage of labor: A randomized clinical trial

Protocol summary

Summary

Objectives: to compare the efficacy of intraumbilical vein injection and intravenous infusion of oxytocin in the active management of third stage of labor. Design: randomized clinical trial Setting and conduct: this study was done on 102 primiparous women that had had a vaginal delivery in Ahvaz Razi hospital Participations including major eligibility criteria: 18 to 35 years old women with a normal term pregnancy. the case of usage of fundal pressure or labor induction or stimulation with Oxytocin were excluded. Intervention: Women in first group (n=51) received 20 units of diluted oxytocin injected in the umbilical vein. Women in second group (n=51) received 20 units of diluted oxytocin intravenously. Main outcome measures variables: duration of third stage of labor.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201206182204N3**

Registration date: **2012-06-23, 1391/04/03**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-06-23, 1391/04/03

Registrant information

Name

Somayeh Makvandi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 916 604 2247

Email address

s-makvandi@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Jundishapour Ahvaz university of medical sciences

Expected recruitment start date

2011-08-23, 1390/06/01

Expected recruitment end date

2011-11-22, 1390/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of intraumbilical oxytocin on the third stage of labor: A randomized clinical trial

Public title

Active management of third stage of labor

Purpose

Prevention

Inclusion/Exclusion criteria

Including criteria: 18 to 35 years old primiparous women; Normal pregnancy; single fetus; Gestational age of 37 to 42 weeks; cephalic presentation; having a normal vaginal delivery;-baby weight of 2500 to 4500 grams
Excluding criteria: fundal pressure; labor induction or stimulation via oxytocin

Age

From **18 years** old to **35 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 2

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

Jundishapour Ahvaz University of Medical Sciences
Ethics Committee

Street address

Golestan

City

Ahvaz

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

u7

Health conditions studied

1

Description of health condition studied

Third-stage haemorrhage

ICD-10 code

O72.0

ICD-10 code description

Haemorrhage associated with retained, trapped or
adherent placenta

Primary outcomes

1

Description

duration of third stage of labor

Timepoint

after placenta delivery

Method of measurement

observation

Secondary outcomes

1

Description

Hemoglobin level

Timepoint

24 hours after birth

Method of measurement

CBC test

Intervention groups

1

Description

injection of 20 units of diluted oxytocin in the umbilical
vein+infusion of 1000 CC of ringer serum in case group

Category

Prevention

2

Description

Infusion of 1000 CC of ringer serum in control group

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Ahvaz razi hospital

Full name of responsible person

Street address

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Jundishapour Ahvaz university of medical sciences

Full name of responsible person

Mostafa Feqhi

Street address

Farhangshahr

City

Ahvaz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Jundishapour Ahvaz 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

Jundishapour Ahvaz University of Medical Sciences

Full name of responsible person

Shirin Zargar Shoushtari

Position

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Other areas of specialty/work

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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