

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

The effect of pressure on Gallbladder points on Postpartum Hemorrhage after vaginal delivery

Protocol summary

Study aim

Determining the effect of pressure on the gallbladder points on the amount of bleeding after vaginal delivery

Design

Clinical trial with control group, with parallel groups without blinding, accidental phase 3 on 70 women. The random number table was used for randomization.

Settings and conduct

In the third stage of labor, immediately after removal of the fetus and simultaneous infusion of 20 IU oxytocin, according to national guideline natural childbirth, in groups of 60 seconds on each of the cranial gallbladder (GB8-GB16-GB17-GB18) (collectively 4 minutes) apply. After the expulsion of the placenta and the completion of the third stage of labor, every 15 minutes to an hour (4 cycles) and then every 30 minutes to an hour (two cycles) one cycle of pressure on parts of the above apply (7 cycles Pressure: 28 min pressure)

Participants/Inclusion and exclusion criteria

Active phase of the ligament (5-3 cm dilation of the cervix at the beginning of the study), singleton pregnancy, healthy and live fetus, admission for vaginal delivery, gestational age 42-37 weeks, Vertex display, no internal disease and surgery,, no delivery with equipment, No rupture of the uterus or cervix, no accelerated ligament (less than 3 hours), no use of relaxing medications such as magnesium sulfate or halogenated anesthesia, no heavy bleeding before the intervention, no rupture of grades 3 and 4, no macrosomic (weight) Fetus more than 4.5 kg), no severe and arterial bleeding from the rupture or epithelium, no manual removal of placenta and placenta, no need for additional routine treatments such as metrogel, misoprostol

Intervention groups

In the intervention group, in addition to receiving normal care, acupressure is applied to 4 points of the skull.

Main outcome variables

Postpartum hemorrhage

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200608047685N1**

Registration date: **2020-06-30, 1399/04/10**

Registration timing: **prospective**

Last update: **2020-06-30, 1399/04/10**

Update count: **0**

Registration date

2020-06-30, 1399/04/10

Registrant information

Name

Elaheh Mansouri

Name of organization / entity

Country

Iran (Islamic Republic of)

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+98 51 3273 5002

Email address

mansourie94150@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-07-22, 1399/05/01

Expected recruitment end date

2021-05-22, 1400/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of pressure on Gallbladder points on
Postpartum Hemorrhage after vaginal delivery

Public title

Investigating the effect of acupressure on postpartum hemorrhage

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Single pregnancy Healthy and alive fetus Admission for vaginal delivery Pregnancy age 42-37 weeks Vertex position Lack of internal disease and surgery Absence of any scar or wound on the acupressure point No history of cesarean section or previous uterine surgery Body mass index less than 30 Absence of high-risk pregnancy (gestational diabetes, pregnancy hypertension ...) Fourth and less pregnancy

Exclusion criteria:

Childbirth with vacuum and forceps Rupture of the uterus or cervix Accelerated Liber (less than 3 hours) Use relaxing medications such as magnesium sulfate or halogenated anesthesia Severe bleeding before the intervention Grade 3 and 4 tears Macrosomia (fetal weight greater than 4.5 kg) Severe arterial bleeding from the tear or episiotomy Manual removal of placenta and membranes Requires additional rutin treatments such as metrogene, misoprostol

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

simple. In this method, a table of random numbers is used for randomization. In this way, in order to read random numbers in the mentioned table, from top to bottom, the even numbers are considered for the intervention group and the individual numbers are considered for the control group.

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

Ethics Committee of Mashhad University of Medical Sciences

Street address

Ebnesina Ave, Doktora Cross

City

Mashhad

Province

Razavi Khorasan

Postal code

13944-91388

Approval date

2020-04-28, 1399/02/09

Ethics committee reference number

IR.MUMS.NURSE.REC.1399.006

Health conditions studied

1

Description of health condition studied

post partum hemorrhage

ICD-10 code

o72.1

ICD-10 code description

Primary outcomes

1

Description

Postpartum hemorrhage

Timepoint

2 hours after delivery, placentas and membranes

Method of measurement

Plastic bags collect blood

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the third stage of labor, immediately after removal of the fetus and simultaneous infusion of 20 IU oxytocin, according to national guideline natural childbirth, in groups of 60 seconds on each of the cranial gallbladder (GB8-GB16-GB17-GB18) (collectively 4 minutes) apply. After the expulsion of the placenta and the completion of the third stage of labor, every 15 minutes to an hour (4 cycles) and then every 30 minutes to an hour (two cycles) one cycle of pressure on parts of the above apply (7 cycles Pressure: 28 min pressure) (distances pressure on the precise location of the control

points of the fourth stage of labor, vaginal delivery, according to national guideline, is. Immediately after the placenta is removed, the plastic bags of blood collected by the researcher are placed under the mother's buttocks, and after 2 hours, the blood in these bags is weighed.

Category

Prevention

2

Description

Control group: In the control group, normal care of the fourth stage of labor (including injection of 20 units of intravenous oxytocin and uterine massage at intervals of 15 minutes in the first hour after delivery and every 30 minutes in the second hour of delivery), as well as the intervention group at the stated intervals. Immediately after the placenta is removed, the plastic blood collection bags are placed under the mother's buttocks by the researcher, and after 2 hours, the blood in these bags is weighed.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Omolbanin Hospital

Full name of responsible person

Elaheh Mansouri

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Mohsen tafaghodi

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mashhad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Mansouri

Position

مربی

Latest degree

Master

Other areas of specialty/work

Midwifery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

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Instructor

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available