

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison the effect of Dill extracts and uterine massage in reduction of post partum hemorrhage

Protocol summary

Summary

In this clinical trial, 280 eligible normal term pregnant women in the third stage of delivery at the obstetric unit of Assali Hospital Khoramabad were enrolled to compare the effect of Dill extracts and uterine massage in reduction of postpartum hemorrhage. The control group received only 20 units of oxytocin in 1000 ml dextrose 5% and sodium chloride 0.9% at the infusion rate of 2 ml/min. In the second group received the same treatment and they were asked to eat 4 gram Dill extracts with 10g sugar in 50 ml of warm water mix within 1 minute. The third group uterine massage alone for 30 minutes to form a circular uterine massage. The fourth group uterine massages with Dill extracts: Uterine massage for 30 minutes is the time addition 4 grams Dill extracts with 10 grams of sugar in 50 cc of warm water mixed drink parturient women for 1 minute. At the same time, mother lied on two layers of plastic and a cotton sheet then a pad was put on the perineum to absorb blood. All used pads and cotton sheets were weighted in first and second 30 minutes after placenta expulsion by "Sairan Iranian digital scale". Blood loss was determined by the difference between weight of each pad and cotton sheets before and after use. Each one gram increase in weight was considered equal to 1 ml blood. Vital sign were controlled every 15 minutes until one hour. Main outcome measure: Reduction of post partum hemorrhage.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201302063081N3**

Registration date: **2013-02-25, 1391/12/07**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-02-25, 1391/12/07

Registrant information

Name

Parvin Asti

Name of organization / entity

Lorestan University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 66 1320 5603

Email address

asti.p@lums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor For Research Lorestan University Of Medical Sciences

Expected recruitment start date

2012-03-13, 1390/12/23

Expected recruitment end date

2014-04-12, 1393/01/23

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of Dill extracts and uterine massage in reduction of post partum hemorrhage

Public title

Comparison the effect of Dill extracts and uterine massage in reduction of post partum hemorrhage

Purpose

Prevention

Inclusion/Exclusion criteria

Prevention Inclusion criteria were: age between 18-35years; parity 1-2; term pregnancy with a single living fetus; cephalic presentation; neonatal weight between 2500-4000 gram; not affected by any systemic disease; and finally normality of duration of the second and third stage of delivery. Exclusion criteria were: severe postpartum hemorrhage; history of bleeding disorders and surgery on the uterus, curettage, retention of placenta, third and fourth degree perineal lacerations, paired in such a way to prevent obesity is uterine massage lack of consent to participate in the study.

Age

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

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **280**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Factorial

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Country Committee for Medical Research Ethics

Street address

Azadi St., Avesta Park Ave, Vice Chancellor for Research and Technology of the Ministry of Health, Fifth Floor

City

Teharan

Postal code

Approval date

2012-03-13, 1390/12/23

Ethics committee reference number

55/1-ك90پ

Health conditions studied

1

Description of health condition studied

Postpartum hemorrhage

ICD-10 code

O72.1

ICD-10 code description

Haemorrhage following delivery of placenta

Primary outcomes

1

Description

Postpartum hemorrhage

Timepoint

First and second 30 minutes after placenta expulsion

Method of measurement

All used pads and cotton sheets were weighted in first and second 30 minutes after placenta expulsion by "Sairan Iranian digital scale "with sensitivity of 5 g. Blood loss was determined by the difference between weight of each pad and cotton sheets before and after use. Each one gram increase in weight was considered equal to 1 ml blood.

Secondary outcomes

1

Description

Pulse

Timepoint

Every 15 minutes until one hours

Method of measurement

Counting

2

Description

Blood pressure

Timepoint

Every 15 minutes until one hours

Method of measurement

Sphygmomanometer

Intervention groups

1

Description

Immediately after placenta expulsion, the control group received only 20 units of oxytocin in 1000 ml dextrose5% and sodium chloride 0.9% at the infusion rate of 2 ml/min.

Category

Treatment - Drugs

2

Description

Immediately after placenta expulsion, second group

received 20 units of oxytocin in 1000 ml dextrose 5% and sodium chloride 0.9% at the infusion rate of 2 ml/min addition 4 grams Dill extracts with 10 grams of sugar in 50 cc of warm water mixed drink parturient women for 1 minute.

Category

Treatment - Drugs

3

Description

Immediately after placenta expulsion, The third group uterine massage alone for 30 minutes to form a circular uterine massage.

Category

Treatment - Drugs

4

Description

Immediately after placenta expulsion, The fourth group uterine massages with Dill extracts: Uterine massage for 30 minutes is the time addition 4 grams Dill extracts with 10 grams of sugar in 50 cc of warm water mixed drink parturient women for 1 minute.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Asali Hospital related to Lorestan University of Medical Sciences

Full name of responsible person

Parvin Asti

Street address

Midwifery Department ,Nursing and Midwifery Faculty , Lorestan University of Medical Sciences, Kamalvakh

City

Khoramabad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor For Research Lorestan University Of Medical Sciences

Full name of responsible person

Mohammad Hassan Kaedi

Street address

Vice Chancellor For Research Lorestan University Of Medical Sciences,Kamalvand

City

Khoramabad

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

Vice Chancellor For Research Lorestan 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

Lorestan University of Medical Sciences

Full name of responsible person

Parvin Asti

Position

Master of Midwifery, Faculty member of Lorestan

Other areas of specialty/work

Street address

Midwifery Department, Nursing and Midwifery Faculty , Lorestan University of Medical,Kamalvand

City

Khoramabad

Postal code

381351698

Phone

+98 66 1620 0140

Fax

+98 66 1620 0140

Email

Asti_P@yahoo.com, Asti.p@Lums.ac.ir

Web page address

www.Lums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Lorestan University Of Medical Sciences

Full name of responsible person

Parvin Asti

Position

Master of Midwifery, Faculty member of Lorestan University Of Medical Sciences

Other areas of specialty/work

Street address

Midwifery Department, Nursing and Midwifery Faculty , Lorestan University Of Medical Sciences,Kamalvand

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Khoramabad

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Fax

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Email

Asti_P@yahoo.com, Asti.p@Lums.ac.ir

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www.Lums.ac.ir

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Phone

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Fax

+98 66 1620 0140

Email

Asti_P@yahoo.com, Asti.p@Lums.ac.ir

Web page address

www.Lums.ac.ir

Person responsible for updating data**Contact****Name of organization / entity**

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University Of Medical Sciences

Other areas of specialty/work**Street address**

Midwifery Department, Nursing and Midwifery Faculty
, Lorestan University Of Medical Sciences,Kamalvand

City

Khoramabad

Postal code**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