Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 dextrose5% and sodium chloride o.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 Seinces
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 Loreastan 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: sever 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-پ90ك

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 o.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 dextrose5% and sodium chloride o.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, Kamalvakd

City

Khoramabad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor For Research Loreastan University Of Medical Sciences

Full name of responsible person

Mohammad Hassan Kaedi

Street address

Vice Chancellor For Research Loreastan 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 Loreastan 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

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 updating data

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
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

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