Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

An Investigation into Effectiveness of grape powder on volume of Postpartum Hemorrhage

Protocol summary

Summary

This clinical trial by aim of evaluating the effect of Grape core powder on decreasing the postpartum hemorrhagecarried out on 120 normal pregnant mothers at term, which hospitalized on Vali-eh-Asr hospital in Birjand. Intervention on four groups carried out after exit of Placenta. In control group, infusion of 20 unit Oxytocin in 1000 CC serum of 5% Dextrose and 0.9% Sodium chloride with speed of two CC/min carried out; and Placebo capsules, which filled with Starch powder with one-half glass of water, offered to mother and asked her to drink it in one minute. In second group, in addition to the above items, a 50-milligram capsule of Grape seed powder offered. In third group in addition to the above items, a 100-milligram capsule of Grape seed powder offered. Group four in addition to the above items a 150-milligram capsule of Grape seed powder offered. Then a buttocks with plastic cover and specified weight spread under mother and a pad on Perinea of mother used for collecting the excreted blood. All of buttocks and Pads using a digital balance with 5-gram precision weighted before and after of use; and for evaluating the volume of bleeding, their weight differences up to 24 hours after exit of Placenta calculated and every gram increase in weight assumed as one CC blood. Hemoglobin and Hematocrit tests carried out before and after of childbirth to evaluate the volume of bleeding. Main outcome variable: decrease in postpartum hemorrhage.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014010616097N1**
Registration date: **2014-05-30, 1393/03/09**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-05-30, 1393/03/09

Registrant information

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Elham Alahyari
Name of organization / entity
Birjand University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source
Birjand University of Medical Sciences

Expected recruitment start date

2013-12-15, 1392/09/24

Expected recruitment end date

2014-02-11, 1392/11/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

An Investigation into Effectiveness of grape powder on volume of Postpartum Hemorrhage

Public title

The effect of grape seed powder of postpartum hemorrhage

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria included : Consent have inclusion, Age between 18 to 35 year, Gravid less than 3, Term pregnancy, Live fetus, Weight 2500-4000 gm , Normal volume of amniotic fluid, Having a history of bleeding before delivery, No history of previous postpartum hemorrhage, Normal during the second and third stage of labor, Lack of labor, No quick delivery, No history of medical conditions, The lack of any kind of development cesarean surgery on the uterus , Singleton pregnancy, Normal vaginal delivery without the use of a vacuum , Absence of four fourth degree laceration , Retained placenta and episiotomy, Breast feeding is less than 1 hour after birth, Not taking anticoagulants , Addict being the mother, Having diabetes, Having a high BMI ,Not fat and Exclusion criteria included : Bleeding before delivery, Start breastfeeding for more than 1 hour after birth, History of previous cesarean section, Blood pressure greater than or equal to 140/90 mm Hg, Hemoglobin less than 8 g per deciliter, Placenta previa, Allergy to foods such as grapes

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

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **120**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Used

Assignment
Factorial

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Birjand University of Medical Sciences

Street address
Ghaffari Street

City
Birjand

Postal code
9817938453

Approval date
2013-12-15, 1392/09/24

Ethics committee reference number
13920918

Health conditions studied

1

Description of health condition studied
Postpartum hemorrhage

ICD-10 code
072

ICD-10 code description
Haemorrhage following delivery of placenta

Primary outcomes

1

Description
Postpartum Hemorrhage

Timepoint
1, 2, 24 hours after delivery

Method of measurement
wieight buttocks and Pad by Iranian digital scale

Secondary outcomes

1

Description
Hemoglobin

Timepoint
24 hours after birth

Method of measurement
Blood sampling

Intervention groups

1

Description
Immediately after the expulsion of the placenta , control group, 20 IU oxytocin infusion in 5% dextrose and sodium chloride thousand milliliter of sodium chloride and 0/9% speed was 2 ml per minute

Category
Treatment - Drugs

2

Description
Immediately after the expulsion of the placenta, the second infusion of 20 IU oxytocin in thousands milliliter of 5% dextrose and chloride Sdybm 0/9% rate of 2 ml per minute plus 50 mg Pvdrhsth grapes in 50 cc of warm water mixed with

Category
Treatment - Drugs

3

Description

Immediately after the expulsion of the placenta, the third group, the infusion of 20 IU oxytocin in thousands milliliter of 5% dextrose and sodium chloride 0/9% rate of 2 ml per minute plus 100 mg Pvdrhsth grapes in 50 cc of warm water mixed with

Category

Treatment - Drugs

4

Description

Immediately after placenta, Group IV infusion of 20 IU oxytocin in thousands milliliter of 5% dextrose and sodium chloride 0/9% rate of 2 ml per minute plus 150 mg Pvdrhsth grapes in 50 ml of warm water mixed with

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Asr Hospital

Full name of responsible person

Ali Mohammad izadpanah

Street address

School of Nursing & Midwifery Ghaffari Street

City

Birjand

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Birjand University of Medical Sciences

Full name of responsible person

Ali Muhammad IZADPANAH

Street address

Ghaffari Street

City

Birjand

Grant name

2

Grant code / Reference number

929

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

Yes

Title of funding source

Birjand 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

Birjand University of Medical Sciences

Full name of responsible person

Elham Alahyari

Position

Nursing Graduate Student

Other areas of specialty/work

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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