

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 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 hemorrhage carried 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

###### Name

Elham Alahyari

###### Name of organization / entity

Birjand University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 56 1222 6813

###### Email address

elhamalahyari@bums.ac.ir

##### 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**

weight 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 Pvdhsth 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 Pvdhrsth 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 Pvdhrsth 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****Street address**

Ghaffari Street

**City**

Birjand

**Postal code**

971785357

**Phone**

+98 56 1444 3041

**Fax**

+98 56 1444 0556

**Email**

elhamalahyari@bums.ac.ir

**Web page address**

www.bums.ac.ir

**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Birjand University of Medical Sciences

**Full name of responsible person**

Ali Mohammad Izadpanah

**Position**

Faculty member

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

Ghaffari Street

**City**

Birjand

**Postal code**

971785357

**Phone**

+98 56 1444 3041

**Fax**

+98 56 1444 0556

**Email**

izadpanahy@bums.ac.ir

**Web page address**

www.bums.ac.ir

**Person responsible for updating data****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****Street address**

frkhy Sistani Zybashhr

**City**

Zahedan

**Postal code**

9817938453

**Phone**

+98 54 1341 2129

**Fax**

+98 65 1443 0076

**Email**

elhamalahyari@bums.ac.ir

**Web page address**

www.bums.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*