

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Evaluation of efficacy and complications of uterine artery embolization in patients with postpartum hemorrhage

Protocol summary

Study aim

Determination of relative frequency of amenorrhea, oligomenorrhea and polymenorrhea and control of bleeding and complications and efficacy after embolization of uterine artery with foam polyvinyl alcohol gel.

Design

Eligible patients enter the study by completing the consent form. Information including age, type of delivery, fetal weight, gestational age, number of children and the cause of uterine artery embolization and the type of material used for embolization (foam gel or polyvinyl alcohol) will be extracted from patients according to the checklist. The effectiveness of the menstrual pattern will be questioned by the researcher during a telephone call with patients after 6 months. After collecting the study data, it is entered into the computer and analyzed by SPSS software version 20.

Settings and conduct

In the angiography unit of Al-Zahra and Khorshid hospitals, embolization of the uterine artery with foam gel or polyvinyl alcohol is performed for patients with postpartum hemorrhage.

Participants/Inclusion and exclusion criteria

Inclusion criteria : 1 Patients with postpartum hemorrhage undergoing treatment of uterine artery embolization. 2 Patient consent to enter the study. Non-entry criteria: Patients who have undergone uterine artery embolization for other reasons, including uterine myoma, uterine fibroids, and false uterine aneurysms.

Intervention groups

70 patients who referred to the educational and medical centers of Isfahan University of Medical Sciences in the years 1398 to 1399 due to postpartum hemorrhage and have been treated for uterine artery embolization. They are studied by census method.

Main outcome variables

Amenorrhea, polymenorrhea, oligomenorrhea, complications of uterine artery embolization and type of

embolization material.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200221046569N1**

Registration date: **2020-09-12, 1399/06/22**

Registration timing: **retrospective**

Last update: **2020-09-12, 1399/06/22**

Update count: **0**

Registration date

2020-09-12, 1399/06/22

Registrant information

Name

Soheila Aghataheri

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3668 0048

Email address

mehrdadghafari1@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-20, 1397/12/29

Expected recruitment end date

2020-03-19, 1398/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
Evaluation of efficacy and complications of uterine artery embolization in patients with postpartum hemorrhage

Public title
Examination of menstrual pattern in people who have had uterine artery embolization to control postpartum hemorrhage

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
All patients who have had postpartum hemorrhage and have been treated for uterine artery embolization
Exclusion criteria:
Patients who have undergone uterine artery embolization for other reasons, including uterine myoma, uterine fibroids, and false uterine aneurysms.

Age
No age limit

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **70**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Isfahan University of Medical Sciences
Street address
No. 87, Sub-street 7, Amirieh alley
City
Esfahan
Province
Isfahan
Postal code
8174957797

Approval date
2020-08-15, 1399/05/25
Ethics committee reference number
IR.MUI.MED.REC.1398.372

Health conditions studied

1

Description of health condition studied
Postpartum hemorrhage
ICD-10 code
o72.2
ICD-10 code description
Delayed and secondary postpartum haemorrhage

Primary outcomes

1

Description
Percentage of patients improved
Timepoint
3 and 6 months after embolization
Method of measurement
questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Patients with foam and polyvinyl alcohol undergoing uterine artery embolization through the femoral artery are performed in the angiography department of Al-Zahra and Khorshid hospitals, where the amount of material consumed varies from person to person.
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Al-Zahra Hospital.
Full name of responsible person
Soheila Aghatahri.
Street address
No. 87, Sub-Unit 7, 5th Street, Amirieh Alley, Unit 6
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Esfahan
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8174957797
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Esfahan University of Medical Sciences
Full name of responsible person
Mojgan Mortazavi
Street address
Hezar Jerib Avenue
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8174673461
Phone
+98 31 3792 8134
Email
vcr-office@med.mui.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Esfahan 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
Esfahan University of Medical Sciences
Full name of responsible person
Soheila Aghatahri.
Position
resident
Latest degree
Medical doctor
Other areas of specialty/work
Gynecology and Obstetrics
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Person responsible for scientific inquiries

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Full name of responsible person
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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is 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

Yes - There is 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

Title and more details about the data/document

Total potential data after unidentifiable individuals.

When the data will become available and for how long

After printing the results.

To whom data/document is available

Researchers working in academic and scientific institutions

Under which criteria data/document could be used

Committed and expert researchers who use the results of the study to treat patients.

From where data/document is obtainable

Dr. Soheila Aghataheri Department of Obstetrics and Gynecology, Al-Zahra Hospital

What processes are involved for a request to access data/document

One Month

Comments