

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jun 2026

### Comparison of the effect of Anethum graveolens extract and mefenamic acid on after pain

#### Protocol summary

##### Summary

This is a clinical trial study that compares the effects of Anethum graveolens extract and mefenamic acid on pain after delivery. Sample size are containing 108 patients in two groups, the Anethum graveolens extract as intervention and mefenamic acid as the control group. Inclusion criteria: people who have normal vaginal delivery; people who are multipar; term pregnancy; Cephalic presentation; single fetus; people who have after delivery pain; infant weight range is 2500-4000 g. When patients are arguing about moderate or high levels of pain, first, their pain measured with a ruler and randomly use mefenamic acid capsule or Anethum graveolens extract. Pain before and half hour after each intervention is measured with a ruler. Patients are asked about how many minutes does it take pain killer affect after each intervention. During this time, any abnormal bleeding in both groups are measured based on the number of pads used. If there was any necessity, next procedures will be done. In addition, during the research, if the pain not being controlled, using of any painkiller drugs for mothers are permitted.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015070623102N1**

Registration date: **2015-07-27, 1394/05/05**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2015-07-27, 1394/05/05

##### Registrant information

###### Name

Fatemeh Kheiriyat

##### Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 61 5283 9421

##### Email address

f.kheiriyat@gmail.com

##### Recruitment status

###### Recruitment complete

##### Funding source

Ahvaz Jundishapur University of Medical Sciences

##### Expected recruitment start date

2015-07-20, 1394/04/29

##### Expected recruitment end date

2015-10-21, 1394/07/29

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of the effect of Anethum graveolens extract and mefenamic acid on after pain

##### Public title

The effect of Anethum graveolens extract on after pain

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: people who have normal vaginal delivery; people who are multipar; people who have term pregnancy; people who have after delivery pain; infant weight range is 2500-4000 g; Possible drug orally. Exclusion criteria: if drugs could not sedate the mother and other interventions was necessary; Dystocia and prolonged labor; those have history of c/s or other

abdominal surgery; those have any history of postpartum hemorrhage; those have history underlying disease.

**Age**

No age limit

**Gender**

Female

**Phase**

2

**Groups that have been masked**

No information

**Sample size**

Target sample size: 108

**Randomization (investigator's opinion)**

Randomized

**Randomization description****Blinding (investigator's opinion)**

Not blinded

**Blinding description****Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Ahwaz Ethics committee of Jundishapur University of Medical Sciences, Ahwaz, Iran

**Street address**

Ahwaz Jundishapur University of Medical Sciences, Golestan street, Ahwaz, Iran

**City**

Ahwaz

**Postal code****Approval date**

2015-06-20, 1394/03/30

**Ethics committee reference number**

IR.AJUMS.REC.1394.187

**Health conditions studied****1****Description of health condition studied**

after pain

**ICD-10 code**

Z39

**ICD-10 code description**

Postpartum care and examination

**Primary outcomes****1****Description**

The duration of pain

**Timepoint**

Four times in one day

**Method of measurement**

Per minute

**2****Description**

The frequency of abnormal bleeding

**Timepoint**

Four times in one day

**Method of measurement**

The number of pads used

**3****Description**

The intensity of after pain

**Timepoint**

Four times in one day

**Method of measurement**

Visual pain scale

**Secondary outcomes**

empty

**Intervention groups****1****Description**

Intervention 2, Mefenamic Acid, oral Capsule, 250 mg, per 6 hours for 24 hours, brand name: Ponstan, Manufacturer: Razak

**Category**

Treatment - Drugs

**2****Description**

intervention1: 1.5 mg Anethum graveolens extract per kg of body weight of within 24 hours, every 6 hours to 4 dose, manufacturer Baryj Essence

**Category**

Treatment - Drugs

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Razi Hospital in Ahwaz

**Full name of responsible person**

Fatemeh Kheiriyat, Master student

**Street address**

Razi Hospital, Saat plaza, Amaniye

**City**

Ahwaz

## 2

### Recruitment center

**Name of recruitment center**

Imam Khomeini Hospital in Ahwaz

**Full name of responsible person**

Fatemeh Kheiriyat

**Street address**

Imam Khomeini Hospital in Ahwaz, Sharifzadeh street

**City**

Ahwaz

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Vice chancellor for research, Ahwaz JundiShapur University of Medical Sciences

**Full name of responsible person**

Dr.Seyed Ahmad Hosseini

**Street address**

Opposite the central building, Ahwaz Jundishapur University of Medical Sciences, Vice Chancellor for Research, Ahwaz University of Medical Sciences

**City**

Ahwaz

**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, Ahwaz JundiShapur 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**

Ahwaz Jundishapur University of Medical Sciences, Ahwaz, Iran

**Full name of responsible person**

Fatemeh Kheiriyat

**Position**

Master Student Midwifery

**Other areas of specialty/work**

**Street address**

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**Web page address**

## Person responsible for scientific inquiries

### Contact

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Ahwaz Jundishapur University of Medical Sciences

**Full name of responsible person**

Mitra Tadayon Najafabadi

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## Person responsible for updating data

### Contact

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**Position**

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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*