Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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

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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, Amaniyeh

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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Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahwaz Jundishapur University of Medical Sciences

Full name of responsible person

Mitra Tadayon Najafabadi

Position

Master of Midwifery

Other areas of specialty/work

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Web page address

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