

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jun 2026

### Effect of boiled *Anethum Graveolens* seeds on duration and intensity of labor pain

#### Protocol summary

##### Summary

The purpose of this study was to evaluate of the effect of boiled *Anethum Graveolens* seeds on duration and intensity of labor pain. Inclusion criteria were the first or second parity; having term pregnancy; cephalic presentation in fetus; fetus weight between 2500-4000 gram; no chronic disease in mother; no contraindication of vaginal delivery and intact of membranes. Exclusion criteria were vaginal bleeding and cesarean. Present study was single- blind randomized clinical trial that 103 participants with above characterizes were divided to intervention and control groups. Both groups were entered to study in cervical dilatation of 3 to 5 cm. Control group received routine labor cares. In intervention group, two tablespoon of *Anethum Graveolens* seeds in 100 cc water boiled for 10 minutes. Then, this of solution filtered and orally used by intervention group. In both groups, fetal heart rate was evaluated regularly every fifteen minutes in the first stage. Pain intensity and maternal vital sign were recorded every hour. Pelvic exam was done by the researcher based on labor characterize in each participants.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201107207065N1**  
Registration date: **2014-07-09, 1393/04/18**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-07-09, 1393/04/18

##### Registrant information

##### Name

Seyedeh Fatemeh Hekmatzadeh

##### Name of organization / entity

Yasuj University of Medical Science

##### Country

Iran (Islamic Republic of)

##### Phone

+98 74 1333 2276

##### Email address

hekmatzadeh.f@yums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Yasuj University of Medical Sciences

##### Expected recruitment start date

2011-12-22, 1390/10/01

##### Expected recruitment end date

2012-06-21, 1391/04/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of boiled *Anethum Graveolens* seeds on duration and intensity of labor pain

##### Public title

Effect of boiled *Anethum Graveolens* seeds on labor

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria; first or second parity; term pregnancy; cephalic presentation in fetus; fetus weight between 2500-4000 gram; no chronic disease in mother; no contraindication of vaginal delivery and intact of membranes Exclusion criteria: vaginal bleeding and cesarean

**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: **103**

**Randomization (investigator's opinion)**

Randomized

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

Single blinded

**Blinding description****Placebo**

Not used

**Assignment**

Parallel

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

empty

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

Yasuj University of Medical Sciences

**Street address**

Next to Emam Sajad Hospital, Shahid Doctor Jalil street

**City**

Yasuj

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

2011-11-21, 1390/08/30

**Ethics committee reference number**

7/30/8/90

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

Effect of boiled Anethum Graveolens seeds on duration and intensity of labor pain

**ICD-10 code****ICD-10 code description****Primary outcomes****1****Description**

Duration of stages of delivery

**Timepoint**

One hour after invention until delivery every hour

**Method of measurement**

Questionnaire

**Secondary outcomes**

empty

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

In intervention group, two tablespoon of Anethum Graveolens seeds in 100 cc water boiled for 10 minutes. Then, this solution filtered and orally used by intervention group in start of active phase and 4-3 cervical dilation.

**Category**

Treatment - Drugs

**2****Description**

Control group received routine labor cares.

**Category**

Treatment - Drugs

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

Yasuj University of Medical Sciences

**Full name of responsible person**

Seyedeh Fatemeh Hekmatzadeh

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**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Yasuj University Of Medical Sciences

**Full name of responsible person**

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Next to Emam Sajad Hospital, Shahid Doctor Jalil street

**City**

Yasuj

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Yasuj 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**

Yasuj University of Medical Sciences

**Full name of responsible person**

Seyedeh Fatemeh Hekmatzadeh

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**Position**

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

Next to Emam Sajad Hospital, Shahid Doctor Jalil

**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*