

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

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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

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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**

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Full name of responsible person

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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

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

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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*