

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Comparing the influence of Mefenamic acid with dill on primary dysmenorrhea in female students of Qom University of Medical Science in 1390.

Protocol summary

Summary

The purpose of this study was to compare the effects of Mefenamic acid and dill on primary dysmenorrhea, female students in Qom University of Medical Sciences in 1390. Inclusion criteria are including age-between 18-28 years old, dysmenorrhea diagnosis in many menstruation cycles and single. Exclusion criteria are including breast feeding, pregnancy, under 18 years old, unknown vaginal bleeding, using ocp (oral contraception pill) and another hormonal drugs, any type sensitiveness to Mefenamic acid. In this study, 75 women in the intervention (25 people), placebo (25 people) and controls (25 people) groups will participate. Intervention group will use from dill 500 mg capsules, placebo group will use of the 500 mg starch capsules in the same capsule with dill capsules and control group will use the Mefenamic acid 250 mg capsules every 6 hours, from 48 hours before the estimated dysmenorrhea cycle to 72 hours after start of bleeding for two consecutive cycles. In all three groups before and after taking capsules will be measured pain intensity using Visual Analogue Scale (VAS).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201110205543N2**
Registration date: **2011-12-10, 1390/09/19**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-12-10, 1390/09/19

Registrant information

Name

Saeide Heidari

Name of organization / entity

School nursing and midwifery, Qom University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Qom University of Medical Science

Expected recruitment start date

2011-11-21, 1390/08/30

Expected recruitment end date

2012-01-20, 1390/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the influence of Mefenamic acid with dill on primary dysmenorrhea in female students of Qom University of Medical Science in 1390.

Public title

Comparing the influence of mefenamic acid and dill on primary dysmenorrhea.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age-between 18-28 years old - dysmenorrhea diagnosis in many menstruation cycles.

single. Exclusion criteria; breast feeding-pregnancy-under 18 years old-unknown vaginal bleeding-using ocp (oral contraception pill) and another hormonal drugs-any sensitiveness of Mefenamic acid-menstrual disorders(interference)

Age

From **18 years** old to **28 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **75**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qom University of Medical Sciences

Street address

Qom University of Medical Science, Lavasani St., Qom

City

Qom

Postal code

Approval date

2011-10-02, 1390/07/10

Ethics committee reference number

12078/34/پ

Health conditions studied

1

Description of health condition studied

Primary dysmenorrhea

ICD-10 code

N94.4

ICD-10 code description

Primary dysmenorrhea

Primary outcomes

1

Description

intensity pain

Timepoint

48 hours before estimated cycle start and 72 hours after onset of menstrual cycles during two consecutive cycles

Method of measurement

Visual Analogue Scale (vas)

Secondary outcomes

empty

Intervention groups

1

Description

intervention group taking dill 500mg capsule every 6 hours from 48 hours before estimated inception menstrual to 72 hours after it

Category

Treatment - Drugs

2

Description

Control group taking Mefnamic acid 500mg capsule every 6 hours from 48 hours before estimated inception menstrual to 72 hours after it

Category

Treatment - Drugs

3

Description

placebo group taking starch acid 500mg capsule (the same dill capsule) every 6 hours from 48 hours before estimated inception menstrual to 72 hours after it

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Qom University of Medical Science

Full name of responsible person

Dr Roghaye Ahangari

Street address

Qom University of Medical Science, Lavasani St., Qom

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qom University of Medical Sciences

Full name of responsible person

Dr. Alireza Koohepaey

Street address

Qom University of Medical Sciences, Lavasani St.,
Qom

City

Qom

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

Yes

Title of funding source

Qom 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**

Qom University of Medical Sciences

Full name of responsible person

Reza Heidarifar

Position

anesthesia student/ Secretary of Student Research
Committee

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

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Person responsible for scientific

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Nursing and Midwifery of Qom University of Medical
Sciences

Full name of responsible person

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Position

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Reza Heidarifar

Position**Other areas of specialty/work****Street address****City****Postal code****Phone****Fax****Email****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