Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 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 brest 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; brest 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
Qom

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Qom University of Medical Sciences

Full name of responsible person
Dr. Alireza Koohpaiy

Street address
Qom University of Medical Sciences, Lavasani St., Qom

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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
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

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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