

# 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 25 1292 4521

##### Email address

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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**

Qom

### **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

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### Person responsible for scientific

## inquiries

**Contact****Name of organization / entity**

Nursing and Midwifery of Qom University of Medical  
Sciences

**Full name of responsible person**

Hoda Ahamari Tehran

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Master of Midwifery

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### Person responsible for updating data

**Contact****Name of organization / entity****Full name of responsible person**

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*