

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

04 Jun 2026

### Comparison of the analgesic effect of cimetidine versus mefenamic acid, placebo in primary dysmenorrhea in girl student in semnan town in 2012.

#### Protocol summary

##### Summary

Objective: To evaluate the analgesic effect of cimetidine and placebo in the treatment of primary dysmenorrhea Comparison with mefenamic acid Case study: students currently studying at the University of Semnan. Sample: Patients were randomly assigned to three groups C, B, A, up to 30 people in each group.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013051212701N2**

Registration date: **2013-06-12, 1392/03/22**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2013-06-12, 1392/03/22

##### Registrant information

###### Name

Mohammad Forozeshfard

###### Name of organization / entity

Semnan University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 23 2362 2990

###### Email address

mff@sem-ums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Semnan University of Medical Sciences

##### Expected recruitment start date

2013-05-22, 1392/03/01

##### Expected recruitment end date

2014-02-19, 1392/11/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of the analgesic effect of cimetidine versus mefenamic acid, placebo in primary dysmenorrhea in girl student in semnan town in 2012.

##### Public title

Cimetidine in the treatment of primary dysmenorrhea

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: age 22-18 years old; one year of regular menstrual cycle; the first three days of menstruation; menstrual complaints of pain; pain cycle so that more medication may be needed. Exclusion criteria: lack of sufficient cooperation; BMI more than 26; history of gastrointestinal disease, such as IBS; urological disease (repetition burning urination); Endometriosis; Epilepsy; genital system disorders such as infectious disease; previous abdominal surgery; a history full term pregnancy; - a history of sensitivity to cimetidine; drugs interaction with cimetidine for example: Warfarin - phenytoin - Inderal - nifedipine. Diazepam and antidepressants - Lidocaine - theophylline - metronidazole; use of other drugs to reduce the pain of dysmenorrhea.

##### Age

From **18 years** old to **22 years** old

##### Gender

Female

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 90

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Single blinded

## Blinding description

## Placebo

Used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Semnan University of Medical Sciences

##### Street address

Semnan University of Medical Sciences

##### City

semnan

##### Postal code

##### Approval date

2012-08-07, 1391/05/17

##### Ethics committee reference number

5848/16/91

## Health conditions studied

### 1

#### Description of health condition studied

Primary dysmenorrhoea

#### ICD-10 code

N94.4

#### ICD-10 code description

Primary dysmenorrhoea

## Primary outcomes

### 1

#### Description

Analgesia

#### Timepoint

For 6 months after intervention

#### Method of measurement

Numeric Rating Pain Scale

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Group B mefenamic acid capsules of 250 mg every 6 hours for 4 days of menstruation is given.

#### Category

Treatment - Drugs

### 2

#### Description

Group C placebo capsules for 4 days is menstruation.

#### Category

Treatment - Drugs

### 3

#### Description

A group of cimetidine 300 mg every 6 hours for 4 days of menstruation is given.

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Amiralmomenin hospital

##### Full name of responsible person

Dr Sanam Moradan

##### Street address

##### City

Semnan

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Semnan University of Medical Sciences

##### Full name of responsible person

Raheb Ghorbany

##### Street address

Semnan University of Medical Sciences

##### City

semnan

##### Grant name

##### Grant code / Reference number

##### Is the source of funding the same sponsor organization/entity?

Yes

##### Title of funding source

Semnan 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**

Semnan University of Medical Sciences

**Full name of responsible person**

Forozeshfard Mohammad

**Position**

Professional MD

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**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*