

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 2026

### Comparisson the effect of sodium valproate and sumatriptan on acute migraine attack

#### Protocol summary

##### Summary

This Randomized clinical trial aimed to compare the effect of 400mg intravenous sodium valproate with 6 mg sub-cutaneous sumatriptan in ninety patients with acute migraine headache attended at Sadughi emergency in Yazd. After taking vital sign, forty five randomly chosen patients receive 400mg sodium valproate, intravenously and other forty five patients receive 6mg sub-coetaneous sumatriptan. Severity of headache was measured by verbal numerical rating scale (zero to 10) before, 30minutes, 1 hour and 2 hours after administration.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201108025943N4**  
Registration date: **2011-10-27, 1390/08/05**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2011-10-27, 1390/08/05

##### Registrant information

##### Name

Abolghasem Rahimdel Meibidi

##### Name of organization / entity

Yazd University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 35 1822 4001

##### Email address

rahimdel30142@ssu.ac.ir

#### Recruitment status

##### Recruitment complete

##### Funding source

Deputy of Research Yazd University of Medical Science

##### Expected recruitment start date

2011-10-23, 1390/08/01

##### Expected recruitment end date

2012-01-21, 1390/11/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparisson the effect of sodium valproate and sumatriptan on acute migraine attack

##### Public title

Sodium valproate and sumatriptan in acute migraine attack

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: presence of acute migraine attack, age between 15 to 50 years old Exclusion criteria: pregnancy, liver disease, ischemic heart disease, hypertension, receiving ergotamine during past hours prior to the study

##### Age

From **15 years** old to **50 years** old

##### Gender

Both

##### 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)

Double blinded

### Blinding description

#### Placebo

Not used

#### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Yazd University of Medical Science

##### Street address

Central University Building, Bahonar Square

##### City

Yazd

##### Postal code

#### Approval date

2011-10-22, 1390/07/30

#### Ethics committee reference number

92192/1/17/پ

## Health conditions studied

### 1

#### Description of health condition studied

Migrane

#### ICD-10 code

G43

#### ICD-10 code description

## Primary outcomes

### 1

#### Description

Headache Severity

#### Timepoint

Mean headache severity of patients,pretreatment, half, one and 2 hours after treatment will be measured

#### Method of measurement

Based on pain measurement ciriterion, Verbal numerical rating scale ,(from 0 to 10)

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Sodium valproate, 400 mg, stat, intravenously

#### Category

Treatment - Drugs

### 2

#### Description

Sumatriptan, 6 mg, stat, subcutaneously

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Shahid Sadoughi Hospital

##### Full name of responsible person

Dr Ali Mellat Ardekani

##### Street address

Safaaiyeh

##### City

Yazd

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Yazd University of Medical Sciences

##### Full name of responsible person

Fatemeh Ezoddini

##### Street address

Bahonar Square

##### City

Yazd

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Yazd 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**

Yazd University of Medical Sciences

**Full name of responsible person**

Ali Mellat Ardekani

**Position**

Assistant Professor

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

Shahid Sadoughi Hospital- Safaaiyeh

**City**

Yazd

**Postal code****Phone**

+98 35 1822 4001

**Fax****Email**

ali\_mellat@ssu.ac.ir

**Web page address****Fax****Email**

rahimdel30142@ssu.ac.ir

**Web page address**

## Person responsible for updating data

### Contact

**Name of organization / entity**

Yazd University of Medical Sciences

**Full name of responsible person**

Ali Mellat Ardekani

**Position**

Assistant Professor

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

ali\_mellat@ssu.ac.ir

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Yazd University of Medical Sciences

**Full name of responsible person**

Abolghasem Rahimdel

**Position**

Assistant Professor

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

Shahid Sadoughi Hospital- Safaaiyeh

**City**

Yazd

**Postal code****Phone**

+98 35 1822 4001

## 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*