

Clinical Trial Protocol

Iranian Registry of Clinical Trials

23 Feb 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

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Assistant Professor

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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