Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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
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Iran (Islamic Republic of)
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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

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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