

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 May 2026

The effect of intravenous sodium valproate versus dexamethasone on headache relief in patients with acute migraine headache: a double blinded randomized clinical trial

Protocol summary

Summary

Objectives: To investigate the effect of intravenous sodium valproate versus dexamethasone on acute migraine headache Design: Double blinded randomized controlled trial Setting and conduct: Patients who will refer to emergency ward of Beasat and Farshchian hospitals during study period Participants including major eligibility criteria: age of 18 to 65 years; history of having migraine for at least one year; severity of headache equal to or greater than 5 VAS Intervention: A single dose of 400 mg sodium valproate plus 50 mL saline normal solution within 15 min intravenously, versus a single dose of 16 mg dexamethasone plus 50 mL saline normal solution within 15 min intravenously Main outcome measures: Severity of headache using VAS scale will be measured at baseline, one half and two hours later.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201202199014N1**

Registration date: **2012-03-24, 1391/01/05**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2012-03-24, 1391/01/05

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vic-chancellor of Research and Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2012-04-21, 1391/02/02

Expected recruitment end date

2012-10-23, 1391/08/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of intravenous sodium valproate versus dexamethasone on headache relief in patients with acute migraine headache: a double blinded randomized clinical trial

Public title

The effect of intravenous sodium valproate versus dexamethasone on acute migraine headache

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age of 18 to 65 years; history of having migraine for at least one year; severity of headache equal to or greater than 5 VAS

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **72**

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**

Local Human Subject Review board of Hamadan
University of Medical Sciences

Street address

Hamadan University of Medical Sciences, Shaheed
Fahmideh Ave.

City

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Postal code

6517838695

Approval date

2012-02-27, 1390/12/08

Ethics committee reference number

D/P/16/35/9/4452

Health conditions studied**1****Description of health condition studied**

Acute migraine headache

ICD-10 code

G43

ICD-10 code description

Migraine with or without aura

Primary outcomes**1****Description**

Severity of headache

Timepoint

At baseline and then 0.5 hour and 2 hours later

Method of measurement

Visual Analogue Scale (VAS)

Secondary outcomes**1****Description**

Any side effect such as allergy

Timepoint

0.5 hour and 2 hours later

Method of measurement

Questionnaire

Intervention groups**1****Description**

Intervention 1: A single dose of 400 mg sodium valproate plus 50 mL saline normal solution within 15 min intravenously.

Category

Treatment - Drugs

2**Description**

Intervention 2: A single dose of 16 mg dexamethasone plus 50 mL saline normal solution within 15 min intravenously.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Beasat and Farshchian Hospitals

Full name of responsible person

Shahir Mazaheri

Street address

Farshchian Hospital, Mirzadeh Eshghi Ave.

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vic-Chancellor of Research and Technology, Hamadan
University of Medical Sciences

Full name of responsible person

Ahmad Tavilani

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Grant name

از محل يك درصد بودجه طرحهاي تحقيقاتي دانشگاه

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vic-Chancellor of Research and Technology, Hamadan 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**

Research Center for Health Sciences, Department of Epidemiology & Biostatistics

Full name of responsible person

Jalal Poorolajal

Position

MD, PhD, Assistant Professor of Epidemiology

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

Department of Neurology, School of Medicine

Full name of responsible person

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Position

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Web page address**Person responsible for updating data****Contact****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