Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of the effect of Metoclopramide and intravenous acetaminophen on headache

Protocol summary

Summary

The aim of this study is comparison between metoclopramide and acetaminophen on migraine, tension and cluster headache. All 15 – 75 years patients with migraine, tension and cluster headache will be enrolled in this study. All patients with allergy to metoclopramide and acetaminophen will be excluded. The sample size will be 100 patients. The Patients will be divided randomly in 2 groups. First, headache severity will be measured based on 10 numerical visual analogue scales (VAS). In intervention group 10 mg IV metoclopramide will be injected and in control group 10 mg IV acetaminophen will be injected. Then headache severity will be measured after 15 and 30 minute. Treatment effect will be measured in all 2 groups. After that the effect of 2 drugs on reducing severity of headache and possible side effect will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014081817812N3**
Registration date: **2014-09-16, 1393/06/25**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-09-16, 1393/06/25

Registrant information

Name

Gholamreza Faridaalaee

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3382 9540

Email address

faridaalaee@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Urmia University of Medical Sciences

Expected recruitment start date

2014-07-23, 1393/05/01

Expected recruitment end date

2014-09-23, 1393/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of Metoclopramide and intravenous acetaminophen on headache

Public title

Comparison of the effect of Metoclopramide and intravenous acetaminophen on headache in patients that presenting to the Emergency Department of Imam Khomeini hospital of Urmia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: all 15 -75 years patients with migrane, tension and cluster headache will be enrolled in this study. exclusion criteria: allrgy to acetaminophen and metoclopramide

Age

From **15 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Urmia University of Medical Sciences

Street address

Urmia University of Medical Sciences; Resalat Avenue

City

Urmia

Postal code

Approval date

2014-06-24, 1393/04/03

Ethics committee reference number

umsu.rec.1393.104

Health conditions studied

1

Description of health condition studied

headache

ICD-10 code

G43

ICD-10 code description

Migraine

2

Description of health condition studied

headache

ICD-10 code

G44.0

ICD-10 code description

Cluster headache syndrome

3

Description of health condition studied

headache

ICD-10 code

G44.2

ICD-10 code description

Tension type headache

Primary outcomes

1

Description

reduce in headache severity

Timepoint

Q/15 minute up to 120 minute

Method of measurement

10 numerical visual analogue scales (VAS)

Secondary outcomes

empty

Intervention groups

1

Description

In intervention group 10 mg IV metoclopramide will be administered

Category

Treatment - Drugs

2

Description

In control group 10 mg IV acetaminophen will be infused in 10 minute.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Gholamreza Faridaalaee

Street address

Ershad Avenue

City

Urmia

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Urmia University of Medical Sciences -

Full name of responsible person

Iraj Mohebbi

Street address

Urmia University of Medical Sciences; Resalat Avenue

City

Urmia

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Urmia 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

Urmia University of Medical Sciences

Full name of responsible person

Gholamreza Faridaalaee

Position

Assistant Professor

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Person responsible for scientific inquiries

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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