

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Comparison of Intravenous Ibuprofen And Intravenous Paracetamol In Reducing Migraine Headaches

Protocol summary

Summary

This study was conducted on migraine patients referred to the emergency department with the aim of examining the effectiveness of acetaminophen and comparing it with the efficacy of ibuprofen in reducing headache. The population studied was migraine patients referred to the Emergency Hospital of Iran's Medical Sciences Hospitals. The sample size is 400 people. This study is a double-blind randomized clinical trial that compares the effectiveness of drugs in two groups of patients with migraine. Patients registered in the first group of painkillers only have 800 mg of ibuprofen and patients in the other group of painkillers are prescribed only an injectable acetaminophen 1000 mg. At the time of referral, the severity of the patient's pain is recorded on the basis of the degree of pain rating, with a score of 0 to 10, and after two hours, the patient's pain is again scored on the same scale. Also, the number of doses of drugs and side effects Individual records are recorded in each patient's case and the data from the two treatment groups are compared

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017050333787N1**

Registration date: **2017-10-05, 1396/07/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-05, 1396/07/13

Registrant information

Name

Mania asgharpour

Name of organization / entity

Azad Islamic University

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2017-03-21, 1396/01/01

Expected recruitment end date

2017-09-20, 1396/06/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of Intravenous Ibuprofen And Intravenous Paracetamol In Reducing Migraine Headaches

Public title

Comparison of Intravenous Ibuprofen And Intravenous Paracetamol In Reducing Migraine Headaches

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Migraine disease; Age range of 16-60 years; Absence of other neurological disorders; Non-addiction. Exclusion criteria: No neurological disorders; history of active peptic ulcer; pregnant women

Age

From **16 years** old to **60 years** old

Gender

Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **400**

Randomization (investigator's opinion)
Not 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

Iran Ethics Committee of the Medical Faculty of
Medical Sciences

Street address

Iran University of Medical Science - Hemmat Highway
- Tehran -Iran

City

Tehran

Postal code

66666666

Approval date

2017-01-17, 1395/10/28

Ethics committee reference number

IR.IUMS.REC 1395.9311307024

Health conditions studied

1

Description of health condition studied

Migraine

ICD-10 code

G43.0

ICD-10 code description

Migraine without aura [common migraine]

Primary outcomes

1

Description

The pain

Timepoint

Time zero and two hours later

Method of measurement

Visual analogue scale (vas)

Secondary outcomes

1

Description

Including stomach and intestinal ulcers and
gastrointestinal bleeding

Timepoint

Two hours later

Method of measurement

Examination

Intervention groups

1

Description

The intervention in the first group was 800 mg Ibuprofen
and repeat if needed two hours later

Category

Treatment - Drugs

2

Description

Intervention in the second group with ampoule of
Acetaminophen 1000 mg and repeat if needed two hours
later

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Rasoul Akram Hospital /Hafte tir Hospital / Firoozgar
Hospital

Full name of responsible person

Dr Hamid Moshgy

Street address

Shahrdari blvd - mehrshahr - karaj

City

Karaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr Hamed Basir Ghafoori

Street address

Tehran
City
 Tehran
Grant name

Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Iran 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
 Iran University of Medical Sciences
Full name of responsible person
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Person responsible for updating data

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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