

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### The effect of superficial scalp arteries compression and intravenous Dexamethason in acute attack of migraine

#### Protocol summary

##### Summary

This study aims to determine the effect of superficial scalp arteries' compression compare with 8 mg intravenous Dexamethason in acute attack of migraine in patients come to neurologist clinic of Ayatollah Kashani hospital, Shahrekord, Iran. The study is a randomized clinical trial and the subjects are 200 ambulatory patients with migraine according to International Headache Society (IHS) criteria. Patients are divided to two groups randomly. The first group takes only 8mg IV Dexamethason and in the second group takes 8mg IV Dexamethason and compress the superficial scalp arteries' for 5-minute dependent to pain site.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201012265470N1**

Registration date: **2011-06-29, 1390/04/08**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2011-06-29, 1390/04/08

##### Registrant information

###### Name

Mahmood Mirzaei

###### Name of organization / entity

Shahrekord University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 38 1226 4834

###### Email address

mirzaei@skums.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Vice chancellery for research, Shahrekord University of Medical Sciences

##### Expected recruitment start date

2011-06-20, 1390/03/30

##### Expected recruitment end date

2012-02-13, 1390/11/24

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of superficial scalp arteries compression and intravenous Dexamethason in acute attack of migraine

##### Public title

The effect of superficial scalp arteries compression in acute attack of migraine

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: migraine according to International Headache Society (IHS) criteria; Patient's consciousness; headache is not due to life threatening factors. Exclusion criteria: Headaches which are due to anxiety and depression and psychiatric disorders; Headaches which are induced by head trauma; regurgitation resistance to treatment; background on neurofibromatose with convulsion and oblivion.

##### Age

No age limit

##### Gender

Both

##### Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 200

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Shshrekord University of Medicla Sciences

##### Street address

Kashani Bld

##### City

Shahrekord

##### Postal code

#### Approval date

2008-04-20, 1387/02/01

#### Ethics committee reference number

87-2-1

## Health conditions studied

### 1

#### Description of health condition studied

acute attack of migraine

#### ICD-10 code

G43

#### ICD-10 code description

Migraine

## Primary outcomes

### 1

#### Description

pain

#### Timepoint

30 minutes

#### Method of measurement

IHS criteria

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Intervention group: takes 8 mg IV Dexamethason and compress the superficial scalp arteries' for 5 minute dependent on pain site

#### Category

Treatment - Other

### 2

#### Description

Control: takes only 8 mg IV Dexamethason

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Kashani Hospital of Shahrekord

##### Full name of responsible person

Mahmood Mirzaei

##### Street address

Neurology department, Kashani hospital, Parastar St.

##### City

Shahrekord

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice chancellor for research, Sahrekord University of medical sciences

##### Full name of responsible person

Mahmoud Mobasheri

##### Street address

Kashani St.

##### City

Shahrekord

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Vice chancellor for research, Sahrekord 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**  
Shahrekord University of Medical Sciences  
**Full name of responsible person**  
Mahmood Mirzaei  
**Position**  
Assistant professor, Neurology department  
**Other areas of specialty/work**  
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## Person responsible for scientific inquiries

### Contact

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neurologist  
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## Person responsible for updating data

### Contact

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**Position**  
neurologist  
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**Email**  
**Web page address**

## 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*