

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jul 2026

### Prophylactic Effect of Greater Occipital Nerve Block on intensity and frequency of Migraine Headaches

#### Protocol summary

2013-05-05, 1392/02/15

#### Summary

**Title:** Prophylactic Effect of Greater Occipital Nerve Block on intensity and frequency of Migraine Headaches Study design: Randomized Controlled Trial  
**Purposes:** Assessment of Greater Occipital Nerve Block on intensity of migraine Headaches Assessment of Greater Occipital Nerve Block on frequency of migraine headaches  
**Method:** The patients are randomized to receive GONB using lidocaine 2% + either saline or triamcinolone 40 mg. In the Experimental group (group A), 1 mL 2% lidocaine plus 0.5 mL 40 mg triamcinolone injected to each Greater Occipital Nerve at the medial third of the distance between the occipital protuberance and the mastoid process. In the Placebo group (group B), 1 mL 2% lidocaine plus 0.5 mL saline injected at the same sites. Inderal Tablets are also prescribed for both groups as 20 mg twice daily. We are going to assess the frequency and severity of headaches 15 days, 1 month and 2 months after injection. Changes in symptom severity were compared between the two groups. Headache severity is assessed on an 11-point scale before and after injection on visits. Each subject fills MIDAS query in each visit. Non codein pain killers should not be used more than 2 times a week. The study is conducted double blinded.

#### General information

##### Acronym

GONB

##### IRCT registration information

IRCT registration number: **IRCT2013031212781N1**

Registration date: **2013-05-05, 1392/02/15**

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

Last update:

Update count: **0**

##### Registration date

#### Registrant information

##### Name

Davood Kashipazha

##### Name of organization / entity

Ahvaz JondniShapour University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 61 1374 3012

##### Email address

kashi-d@ajums.ac.ir

#### Recruitment status

##### Recruitment complete

#### Funding source

Ahvaz, Jundishapur University of Medical Sciences Vice of Research And Technology

#### Expected recruitment start date

2013-01-20, 1391/11/01

#### Expected recruitment end date

2013-09-22, 1392/06/31

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

Prophylactic Effect of Greater Occipital Nerve Block on intensity and frequency of Migraine Headaches

#### Public title

Prophylactic Effect of Greater Occipital Nerve Block on intensity and frequency of Migraine Headaches

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Criteria Inclusion Criteria: • Age 18-75 years. • Migraine

with or without tenderness. • At least 1 attack per week. • MIDAS score >11 Exclusion Criteria: • Pregnant or lactating. • Continuous headache. • Maintenance opioid medication. • Started migraine prophylactic medication within the past 2 months. • Hypersensitivity to study ingredients. • Injection site infection at injection visit. • Systemic infection at injection visit. • Cranial bone defect. • Chronic cluster headache, new daily persistent headache. • Chronic tension type headache. • Medication overuse headache. • Injection phobia. • Headache due to secondary causes.

#### Age

From **18 years** old to **75 years** old

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **40**

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

#### Blinding (investigator's opinion)

Double blinded

#### Blinding description

#### Placebo

Used

#### Assignment

Parallel

#### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ahvaz, Jundishapur University of Medical Sciences

##### Street address

Ahwaz

##### City

Ahwaz

##### Postal code

6135715794

#### Approval date

2012-12-22, 1391/10/02

#### Ethics committee reference number

ETH-680

## Health conditions studied

### 1

#### Description of health condition studied

migraine

#### ICD-10 code

G43

#### ICD-10 code description

migraine

## Primary outcomes

### 1

#### Description

headache severity and frequency

#### Timepoint

Days 0 - 15 - 30 - 60 of study

#### Method of measurement

self report of patient

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

1 mL 2% lidocaine plus 0.5 mL 40 mg triamcinolone injected to each Greater Occipital Nerve at the medial third of the distance between the occipital protuberance and the mastoid process. Inderal Tablets are also prescribed as 20 mg twice daily.

#### Category

Treatment - Drugs

### 2

#### Description

1 mL 2% lidocaine plus 0.5 mL saline injected at the same sites bilaterally. Inderal Tablets are also prescribed as 20 mg twice daily.

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Golestan Hospital

##### Full name of responsible person

Ali Nakhostin Mortazavi

##### Street address

Dept Neurology, Golestan Hospital, Golestan Ave

##### City

Ahvaz

## Sponsors / Funding sources

### 1

#### Sponsor

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences Vice  
of Research And Technology

**Full name of responsible person**

Davood Kashipazha

**Street address**

AJUMS, Golestan Ave

**City**

Ahvaz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Ahvaz Jundishapur University of Medical Sciences Vice of  
Research And Technology

**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**

Ahvaz Jundishapour University of Medical Science

**Full name of responsible person**

Ali Nakhostin Mortazavi

**Position**

Neurology Resident

**Other areas of specialty/work**

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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*