

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jun 2026

Studying the effect of acupuncture in the treatment of open-angle glaucoma in Mashhad city

Protocol summary

Summary

Objective: In this study we aim at investigating the role of acupuncture as a treatment modality with minimal side effects in primary open angle glaucoma (POAG).
Design: In this quasi-experimental study 33 patients with primary open angle glaucoma visiting the glaucoma clinic are randomly selected and examined for eligibility.
Setting and conduct: acupuncture treatment is performed for all participants and they also receive all required medications for glaucoma during the treatment course. Participants including major eligibility criteria: Over 18 years of age, confirmed primary open-angle glaucoma (POAG), willing to participate in the study.
Intervention: acupuncture treatment is given 3 times a week for four weeks and the patients are followed up monthly up to three months. Needle insertion points are fixed in all sessions and are 11 points, bilaterally inserted (22 points). Intraocular pressure (IOP) measurement is performed in each visit. Main outcome variables: patients are followed up after one week and then monthly up to three months, undergoing all ophthalmologic examinations including IOP measurement for both eyes.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015062911912N3**
Registration date: **2015-12-01, 1394/09/10**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-12-01, 1394/09/10

Registrant information

Name

Hamidreza Bahrami Taghanaki

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 1841 5666

Email address

bahramihr@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Research Council of Mashhad University of Medical Sciences

Expected recruitment start date

2014-04-09, 1393/01/20

Expected recruitment end date

2015-12-31, 1394/10/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Studying the effect of acupuncture in the treatment of open-angle glaucoma in Mashhad city

Public title

Studying the effect of acupuncture in the treatment of glaucoma

Purpose

Treatment

Inclusion/Exclusion criteria

Major eligibility criteria: Over 18 years of age; confirmed primary open-angle glaucoma (POAG); willing to participate in the study Major exclusion criteria: suspected of having other types of glaucoma; history of ophthalmologic disease other than POAG such as corneal

ulcer, corneal scar, keratoconus, etc, history of eye surgery in the previous three months; any type of ocular or periocular infection or inflammation in the previous month; anticoagulant or antiplatelet medications use; intraocular pressure (IOP) more than 25mmHg despite conventional therapy at the inclusion time; severe or advanced POAG and history of any systemic disease influencing IOP.

Age

From **17 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **33**

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids****1****Registry name**

None

Secondary trial Id

none

Registration date

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Mashhad University of Medical Sciences

Street address

Deputy of Research, GHoreyshi building, Daneshgah St.,

City

Mashhad

Postal code**Approval date**

2014-01-15, 1392/10/25

Ethics committee reference number

920048

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

Primary open angle glaucoma

ICD-10 code

H40, H42

ICD-10 code description

Glaucoma, Glaucoma in diseases classified elsewhere

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

Intraocular pressure (IOP)

Timepoint

after one week and then monthly up to three months

Method of measurement

Goldmann applanation tonometer

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

Intraocular pressure of the right and left eye

Timepoint

after one week and then monthly up to three months

Method of measurement

Goldmann applanation tonometer

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

Intervention: acupuncture

Category

Treatment - Other

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

Acupuncture clinic of Imam Reza Hospital

Full name of responsible person

Hamidreza Bahrami

Street address

Acupuncture clinic, Imam Reza Hospital, Taghiabad Sq.

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research, Mashhad University of Medical Sciences

Full name of responsible person

Mina Ramezani

Street address

Ghoreyshi Building, Daneshgah St.

City

Mashhad

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, Mashhad 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**

Mashhad University of Medical Sciences

Full name of responsible person

Hamidreza Bahrami

Position

Assistant Prof of acupuncture

Other areas of specialty/work**Street address**

Faculty of Traditional and Complementary Medicine

City

Mashhad

Postal code**Phone**

+98 51388552189

Fax**Email**

bahramihr@mums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Ramin Daneshvar Kakhki

Position

Assistant Prof of ophthalmology

Other areas of specialty/work**Street address**

Khatam-al-anbia Hospital, Abotaleb Intersection, Gharani Blvd.

City

Mashhad

Postal code**Phone**

+98 51 3728 1401

Fax**Email**

DaneshvarR@mums.ac.ir

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Hamidreza Bahrami

Position

Assistant Prof of Traditional and Complementary Medicine

Other areas of specialty/work**Street address****City**

Mashhad

Postal code**Phone**

00

Fax**Email**

bahramihr@mums.ac.ir

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