

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Posterior subtenon injection of methylprednisolon in nonarthritic anterior ischemic optic neuropathy

Protocol summary

Summary

The goal of this study was to evaluate the effect of posterior sub-tenon injection of methyl prednisolone in eyes with non arthritic anterior ischemic optic neuropathy (NAION). The patients were taken from out patient department of Feiz hospital during 2004-2005. 40 patients with NAION were selected and randomly assigned in two groups. The first group received posterior sub-tenon injection of 40 mg methyl prednisolone. In the second group the injection process was performed as a simulated injection. The patients were followed for 8 weeks, complete eye examination including Visual acuity, IOP, and ophthasmoscopy were performed at the beginning and at 2, 4, 6 and 8 week steps of the follow up. Visual field was plotted at the beginning and after 8 weeks of follow up.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138809182833N1**

Registration date: **2010-05-08, 1389/02/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-05-08, 1389/02/18

Registrant information

Name

Hamid Fesharaki

Name of organization / entity

Isfahan University of medical sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Isfahan university of medical sciences

Expected recruitment start date

2004-05-23, 1383/03/03

Expected recruitment end date

2005-06-30, 1384/04/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Posterior subtenon injection of methylprednisolon in nonarthritic anterior ischemic optic neuropathy

Public title

The treatment of nonarthritic anterior ischemic optic neuropathy by subtenon methylprednisolon

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: recent onset of non arthritic anterior ischemic optic neuropathy, history of acute visual loss, optic disc edema, afferent papillary defect, andangiographic picture, no apparent other ocular or systemic disease related to the acute visual loss
Exclusion criteria: presence of IOP of more than 21 mmhg, history of glaucoma, ocular hypertention, abnormal visual field in the sound eye, high ESR, any additional intervention during the study.

Age

From **37 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**

Isfahan Eye Research Center, Isfahan University of medical sciences

Street address

Modarres st. Qods sq.

City

Isfahan

Postal code

8149644874

Approval date

empty

Ethics committee reference number

83154

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

Non arthritic anterior ischemic optic neuropathy

ICD-10 code

H47.0

ICD-10 code description

Ischaemic optic neuropathy

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

Visual acuity

Timepoint

before the intervention and at 2 weeks, 4 weeks, 6 weeks, and 8 weeks steps of follow up after the intervention

Method of measurement

Snellen chart

2**Description**

optic disc edema

Timepoint

before the intervention and at 2 weeks, 4 weeks, 6 weeks, and 8 weeks steps of follow up after the intervention

Method of measurement

Slit lamp ophthalmoscopy

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

Plotting the visual field

Timepoint

before the intervention and at 8 weeks steps of follow up after the intervention

Method of measurement

Humphry Automated perimeter

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

single sub-tenon injection of 40 mg methyle prednisolone

Category

Treatment - Drugs

2**Description**

Simulated injection as placebo

Category

Placebo

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

Isfahan Eye Research Center

Full name of responsible person

Hamid Fesharaki

Street address

Feiz Hospital, Modarres st., Qods sq.

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vise chancellor for research, Isfahan University of medical sciences

Full name of responsible person

Hamid Fesharaki MD

Street address

Eye research center, Feiz hospital, Isfahan University of medical sciences

City

Isfahan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vise chancellor for research, Isfahan 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**

Esfahan Eye Research Center

Full name of responsible person

Hamid Fesharaki

Position

Assistant professor of ophthalmology

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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