Clinical Trial Protocol
Iranian Registry of Clinical Trials

10 Jun 2026

Posterior subtenon injection of methylprednisolon in nonartheritic 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 ophthaslmoscopy 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
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Isfahan University of medical sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Vice chancellary 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 nonartheritic anterior ischemic optic neuropathy

Public title

The treatment of nonartheritic 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 artritic anterior ischemic opthic neropathy
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.
City
Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vise chanceller 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 chanceller 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

Other areas of specialty/work

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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