

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jun 2026

Effect of selective laser trabeculoplasty on intraocular pressure reduction in pseudoexfoliative glaucoma

Protocol summary

Summary

Pseudoexfoliative glaucoma is the most common secondary open-angle glaucoma. Forty patients with Pseudoexfoliative glaucoma who did not reach the target intraocular pressure with maximum tolerable antiglaucoma medications will be enrolled in this nonrandomized prospective intervention study. Exclusion criteria are congenital glaucoma, previous glaucoma surgery. Main outcome measures intraocular pressure (IOP) and the number of antiglaucoma medications used before surgery and after surgery at 2 hours, day 1, 1, 2, 3, 4, 5 and 6 months after selective laser trabeculoplasty (SLT). All the surgeries will be performed by 1 surgeon and before commencing surgery, 1 drop of Tetracaine (0.5%) will be instilled in each eye. Postoperative medications after SLT included Betamethasone twice a day for 3 days. At each visit, antiglaucoma medications and IOP will be measured and All major and minor complications will be recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015021620619N3**

Registration date: **2015-09-28, 1394/07/06**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-09-28, 1394/07/06

Registrant information

Name

Behzad Fallahi Motlagh

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2014-12-16, 1393/09/25

Expected recruitment end date

2015-07-01, 1394/04/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of selective laser trabeculoplasty on intraocular pressure reduction in pseudoexfoliative glaucoma

Public title

Effect of selective laser trabeculoplasty (SLT) on intraocular pressure (IOP) reduction in pseudoexfoliative glaucoma

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients with pseudoexfoliative glaucoma with uncontrolled pressure who need at least 20% decrease of IOP. Exclusion criteria: Previous SLT or intraocular surgery; angle closure glaucoma in which trabecular meshwork is not visible; IOP more 30 mmHg; any intraocular disease; congenital glaucoma.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

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**

empty

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

Tabriz University of Medical Sciences

Street addressInternational Relations Office, No 2 Central Building,
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Street, Tabriz**City**

Tabriz

Postal code

5165665931

Approval date

2014-12-14, 1393/09/23

Ethics committee reference number

93135

2**Ethics committee****Name of ethics committee**

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Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

93135

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

Pseudoexfoliative glaucoma

ICD-10 code

H40.5

ICD-10 code description

Pseudoexfoliative glaucoma

Primary outcomes**1****Description**Measured intra ocular pressure after SLT in patients with
pseudoexfoliative glaucoma**Timepoint**

2 hours, 1 day, 1, 2, 3, 4, 5,6 and 12 months after SLT

Method of measurement

Calibrated Goldman tonometer

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

Number of antiglaucoma medications

Timepoint

Baseline to 1, 2, 3, 4, 5,6 and 12 months

Method of measurement

Number of antiglaucoma medications

Intervention groups**1****Description**360 degree Selective laser trabeculoplasty with frequency
double Neodymium YAG**Category**

Treatment - Surgery

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

Nikookari Eye Hospital

Full name of responsible person

Dr.Hakimallah Ghalamara

Street address

Tabriz .Abbasi street

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Nikookari Eye Hospital, Tabriz University of Medical Sciences

Full name of responsible person

Dr Behzad Fallahi Motlagh,

Street address

Tabriz University of Medical Sciences

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Tabriz

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

Yes

Title of funding source

Nikookari Eye Hospital, Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

dr Hakimallah Ghalamara

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Person responsible for updating data

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Resident in 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