

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Assessment of Anterior Chamber Angle and Depth Using Anterior Segment Optical Coherence Tomography after Phacoemulsification in Comparison to phacoemulsification and Goniosynechialysis in Chronic Angle Closure glaucoma Patients Visiting Glaucoma Clinic, Farabi Hospital in 1389

Protocol summary

Summary

In this randomized study primary angle closure glaucoma patients will be recruited and complete ophthalmic exam , gonioscopy , indentation gonioscopy will be performed .All of them will undergone anterior segment optical coherence tomography. Main inclusion criteria would be patent PI and visually significant cataract. Main exclusion criteria are advanced glaucoma and intraocular pressure greater than 35 mmHg. They will be divided into 2 groups. Sample sizes calculated and will be about 30 patients in each group. In one group phacoemulsification , and in the other phacoemulsification and synechialysis will be performed by one surgeon . They will be followed postoperatively, 1 day, 1 week, and 1 month after surgery by another investigator and anterior segment optical coherence tomography is done after one month.Primary outcome measure will be angle parameters and anterior chamber parameters , determined by anterior segment optical coherence tomography .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201012015288N1**
Registration date: **2012-02-01, 1390/11/12**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-02-01, 1390/11/12

Registrant information

Name

Sasan Moghimi

Name of organization / entity

Farabi Eye Hospital

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Grant from Tehran University of Medical Science

Expected recruitment start date

2010-04-01, 1389/01/12

Expected recruitment end date

2011-04-01, 1390/01/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment of Anterior Chamber Angle and Depth Using Anterior Segment Optical Coherence Tomography after Phacoemulsification in Comparison to phacoemulsification and Goniosynechialysis in Chronic Angle Closure glaucoma Patients Visiting Glaucoma Clinic, Farabi Hospital in 1389

Public title

Comparison of ACD and angle after Phacoemulsification vs. Phacoemulsification and viscosynechialysis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Chronic angle closure glaucoma; Visually significant cataract; Patent PI Exclusion criteria: History of acute attack; Advanced glaucoma; Previous surgery; Secondary angle closure glaucoma; Intraoperative complications such as vitreous loss

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Tehran University of Medical Science

Street address

Enghelab Sq

City

Tehran

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

89-03-43-11295

Health conditions studied

1

Description of health condition studied

Primary angle closure glaucoma

ICD-10 code

H40.2

ICD-10 code description

Primary angle-closure glaucoma

Primary outcomes

1

Description

angle parameters and anterior chamber depth

Timepoint

preoperative, 1 month after surgery

Method of measurement

anterior segment optical coherence tomography

Secondary outcomes

1

Description

IOP, postoperative inflammation

Timepoint

preoperative

Method of measurement

Goldman tonometry, Slit lamp biomicroscopy

Intervention groups

1

Description

Phacoemulsification will be performed for group A and phacoemulsification (routine) and Goniosynechialysis will be performed for group B. In the latter group after phacoemulsification and IOL implantation in the bag, Healan will be injected into angle for 2 times in 360 degree and the gel aspirated at the end.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Farabi Eye Hospital, Tehran University of Medical Science

Full name of responsible person

Sasan Moghimi

Street address

Quazvin Square

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Science, Farabi Eye

Research Center
Full name of responsible person
Ali Sadeghi MD
Street address
Quazvin Sq
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tehran University of Medical Science, Farabi Eye Research Center
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

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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