

# 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)

##### Phone

+98 21 2240 4363

##### Email address

moghimis@sina.tums.ac.ir

#### 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**

Tehran

## **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**  
**Name of organization / entity**  
Farabi Eye Hospital  
**Full name of responsible person**  
Sasan Moghimi  
**Position**  
Assistant Professor of Ophthalmology  
**Other areas of specialty/work**  
**Street address**  
Quazvin Square  
**City**  
Tehran  
**Postal code**  
**Phone**  
+98 212363356  
**Fax**  
+98 21 5541 8080  
**Email**  
sasanimii@yahoo.com  
**Web page address**

## Person responsible for scientific inquiries

**Contact**  
**Name of organization / entity**  
Farabi Eye Hospital, Tehran University of Medical Science

**Full name of responsible person**  
Sasan Moghimi  
**Position**  
Assistant Professor of Ophthalmology  
**Other areas of specialty/work**  
**Street address**  
Quazvine Square  
**City**  
Tehran  
**Postal code**  
**Phone**  
+98 21 2236 3356  
**Fax**  
+98 21 5541 8080  
**Email**  
sasanimii@yahoo.com  
**Web page address**

## Person responsible for updating data

**Contact**  
**Name of organization / entity**  
Farabi Eye Hospital  
**Full name of responsible person**  
Golshan Latifi  
**Position**  
MD, Resident of Ophthalmology  
**Other areas of specialty/work**  
**Street address**  
Quazvine Square  
**City**  
Tehran  
**Postal code**  
**Phone**  
+98 21 5540 0010  
**Fax**  
+98 21 5541 8080  
**Email**  
golshan24@yahoo.com  
**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*