Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Oct 2026

Outcomes of wavefront-guided photorefractive keratectomy for myopic astigmatism - A randomized trial

Protocol summary

Summary

The aim of this study is to assess the refractive,visual and aberrometric outcomes of wavefront-guided photorefractive keratectomy(PRK) in correcting compound myopic astigmatism using Visx excimer laser system .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201202243827N4**
Registration date: **2012-04-05, 1391/01/17**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2012-04-05, 1391/01/17

Registrant information

Name

Mohammad Reza Sedghipour

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1330 6619

Email address

sedghipm@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2011-01-15, 1389/10/25

Expected recruitment end date

2012-02-15, 1390/11/26

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Outcomes of wavefront-guided photorefractive keratectomy for myopic astigmatism - A randomized trial

Public title

Outcomes of wavefront-guided photorefractive keratectomy for myopic astigmatism

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: Stable refraction for one year and astigmatism of 1.50-5.0 diopter. Exclusion: Patients with systemic or ocular pathologies interfering with healing process of the cornea, keratoconus, corneal dystrophy; previous trauma or surgery and pachymetry of less than 470 micron

Age

From **20 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **150**

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 address
Gholghasht street
City
Tabriz
Postal code
Approval date
2011-01-10, 1389/10/20
Ethics committee reference number
9080

Health conditions studied

1

Description of health condition studied
Astigmatism
ICD-10 code
H52.2
ICD-10 code description
Astigmatism

Primary outcomes

1

Description
Correction of astigmatism
Timepoint
Six months after operation
Method of measurement
Diopter

Secondary outcomes

1

Description
Visual acuity
Timepoint
Six months after operation
Method of measurement
Log MAR

2

Description
Higher-order aberrations
Timepoint
Six months after operation
Method of measurement
Micron

Intervention groups

1

Description
Wavefront-guided Photorefractive Keratectomy
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Nikookari Hospital
Full name of responsible person
Mohammad Reza Sedghipour
Street address
Abbasi Avenue
City
Ttariz

2

Recruitment center
Name of recruitment center
Mehr Eye Center
Full name of responsible person
Mohammad Reza Sedghipour
Street address
Taleghani Street
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of medical Sciences
Full name of responsible person
Dr.Mohammad Reza Rasgidi
Street address
Gholghasht Street,central building of Tabriz University of Medical Sciences
City
Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

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

Mohammad Reza Sedghipour

Position

Associate Professor

Other areas of specialty/work

Street address

Nikookari hospital,Abbasi avenue

City

Tabriz

Postal code

Phone

+98 41 1330 6619

Fax

+98 41 1657 7336

Email

sedghipm@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Mohammad Reza Sedghipour

Position

Associate Professor

Other areas of specialty/work

Street address

Nikookari Hospital,Abbasi Ave

City

Tabriz

Postal code

Phone

+98 41 1330 6619

Fax

+98 41 1657 7336

Email

sedghipm@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Mohammad Reza Sedghipour

Position

Associate Professor

Other areas of specialty/work

Street address

Nikookari Hospital,Abbasi Ave

City

Tabriz

Postal code

Phone

+98 41 1330 6619

Fax

+98 41 1657 7336

Email

sedghipm@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