

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

comparison of trabeculectomy with releasable sutures and standard trabeculectomy in treatment of glaucoma

Protocol summary

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Summary

The aim of this study to compare trabeculectomy with releasable sutures and standard trabeculectomy in treatment of glaucoma. Plan: A block-randomized, single-blind, placebo-controlled Clinical Trial, Phase II. Inclusion criteria: Primary open angle glaucoma, primary angle closure glaucoma who didn't respond to medication. Exclusion criteria: uveitis, post-traumatic, neovascular and Juvenile glaucoma. Previous ophthalmic surgery and combined procedures (glaucoma and cataract). Interventions: First group of patients will undergo a trabeculectomy with releasable sutures, and the second group will undergo a standard trabeculectomy. Primary outcome: Reduction in intraocular pressure.

Recruitment status

Recruitment complete

Funding source

research adjutancy of the arak university of medical sciences

Expected recruitment start date

2011-12-31, 1390/10/10

Expected recruitment end date

2012-11-30, 1391/09/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201401148410N2**

Registration date: **2014-09-10, 1393/06/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-09-10, 1393/06/19

Registrant information

Name

Ahmad Sarvarian

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 1313 5075

Email address

Scientific title

comparison of trabeculectomy with releasable sutures and standard trabeculectomy in treatment of glaucoma

Public title

trabeculectomy with releasable sutures in treatment of glaucoma

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: Primary open angle glaucoma; primary angle closure glaucoma who didn't Respond to medication exclusion criteria: uveitic; post-traumatic; neovascular; Juvenile glaucoma; Previous ophthalmic surgery; combined procedures (glaucoma and cataract)

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 28

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of the arak university of medical sciences

Street address

Arak University of Medical Sciences, Alamolhoda Ave

City

Arak

Postal code

Approval date

2012-01-30, 1390/11/10

Ethics committee reference number

90-119-4

Health conditions studied

1

Description of health condition studied

Glaucoma

ICD-10 code

H40.1

ICD-10 code description

Primary open-angle glaucoma

Primary outcomes

1

Description

intraocular pressure

Timepoint

before trabeculectomy and 24 hours after trabeculectomy

Method of measurement

Goldmann tonometry

Secondary outcomes

1

Description

shallow anterior chamber

Timepoint

24 hours after trabeculectomy

Method of measurement

measurement with slit lamp

2

Description

iridocorneal touch

Timepoint

24 hours after trabeculectomy

Method of measurement

observation with slit lamp

3

Description

corneal edema

Timepoint

24 hours after trabeculectomy

Method of measurement

observation with slit lamp

4

Description

Hyphema

Timepoint

24 hours after trabeculectomy

Method of measurement

observation with slit lamp

Intervention groups

1

Description

patients of first group undergo trabeculectomy with releasable sutures. 24 hour after surgery anterior chamber depth, intraocular pressure, hyphema and iridocorneal touch will evaluate.

Category

Treatment - Surgery

2

Description

patients of second group undergo standard trabeculectomy. 24 hour after surgery anterior chamber depth, intraocular pressure, hyphema and iridocorneal touch will evaluate.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Amirkabir Hospital

Full name of responsible person

Dr Ahmad Sarvarian

Street address

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences, Vice chancellor for research

Full name of responsible person

Dr Saeed Changizi Ashtiani

Street address

Arak University Of Medical Sciences, Basij Square

City

Arak

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Arak University of Medical Sciences, Vice chancellor for research

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

Arak University of Medical Sciences

Full name of responsible person

Dr Ahmad Sarvarian

Position

Ophthalmologist, Assistant Professor

Other areas of specialty/work

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Person responsible for updating data

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