

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

The study of the effects and probable side effects of anterior chamber paracentesis to control the pressure of the eye after cataract surgery by phacoemulsification

Protocol summary

Study aim

Determining the effect and possible complications of anterior chamber paracentesis in controlling ocular pressure following cataract surgery after phacoemulsification method

Design

one arm Clinical trial without control group, without blinding and without randomization, on all patients undergoing cataract surgery by phacoemulsification method.

Settings and conduct

In ophthalmology department of Shafa Hospital in Kerman, one of the educational hospitals of Kerman University of Medical Sciences, patients are included in the study with informed consent. Demographic variables recorded by data collection form and questions from the patients. Patients' eye pressure was measured 24 hours and 30 minutes before surgery. Anterior chamber paracentesis was performed in patients undergoing cataract surgery by phacoemulsification. The eye pressure also measurement 24 hours, one week and one day after the operation. in these time periods after operation patients also checked for any side effects of operation.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Informed consent Age upper 40 years Patient must have undergone cataract surgery by phacoemulsification Exclusion criteria: Informed dissatisfaction A history of glaucoma due to the disruptive effects of diabetes and other eye diseases

Intervention groups

Patients undergoing cataract surgery by phacoemulsification method

Main outcome variables

eye pressure

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20091030002647N2**

Registration date: **2020-10-10, 1399/07/19**

Registration timing: **retrospective**

Last update: **2020-10-10, 1399/07/19**

Update count: **0**

Registration date

2020-10-10, 1399/07/19

Registrant information

Name

Ali Sharifi

Name of organization / entity

Kerman University of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 34 1211 7980

Email address

a_sharifi@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-06-21, 1399/04/01

Expected recruitment end date

2020-09-26, 1399/07/05

Actual recruitment start date

2020-06-30, 1399/04/10

Actual recruitment end date

2020-09-10, 1399/06/20

Trial completion date

2020-09-20, 1399/06/30

Scientific title

The study of the effects and probable side effects of anterior chamber paracentesis to control the pressure of the eye after cataract surgery by phacoemulsification

Public title

Effect of anterior chamber paracentesis to control the pressure of the eye after cataract surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

informed consent age upper 40 years patient must have undergone cataract surgery by phacoemulsification

Exclusion criteria:

informed dissatisfaction history of glaucoma due to the disruptive effects of diabetes and other eye diseases

Age

From **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **68**

Actual sample size reached: **68**

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

Ethical committee of Kerman University of Medical Sciences

Street address

Jahad blvd., Ebn-e Sina St. Vice chancellor for research,

City

Kerman

Province

Kerman

Postal code

7616913555

Approval date

2020-06-01, 1399/03/12

Ethics committee reference number

IR.KMU.REC.1399.143

Health conditions studied

1

Description of health condition studied

Controlling the pressure of the eye after cataract surgery by phacoemulsification

ICD-10 code

H25

ICD-10 code description

Age-related cataract

Primary outcomes

1

Description

the pressure of the eye after cataract surgery

Timepoint

Before intervention, 1 day, 1 week and 1 month after surgery

Method of measurement

Goldmann Applanation Tonometer attached with Slit lamp biomicroscope

Secondary outcomes

1

Description

Any possible side effects

Timepoint

24 hours, one week and one month after operation

Method of measurement

Clinical Checkup

Intervention groups

1

Description

Intervention group: Anterior chamber paracentesis is performed in patients undergoing cataract surgery by phacoemulsification

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Shafa hospital

Full name of responsible person

Ali Sharifi
Street address
Kosar blvd., Shafa hospital
City
Kerman
Province
Kerman
Postal code
7618751151
Phone
+98 34 3211 5780
Email
a_sharifi@kmu.a.c.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Abbas Pardakhty
Street address
Jahad blvd., Ebn-e sina St., Vice chancellor for research
City
Kerman
Province
Kerman
Postal code
7616913555
Phone
+98 34 3226 3719
Email
abpardakhty@kmu.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kerman University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Ali Sharifi

Position
Associate professor
Latest degree
Specialist
Other areas of specialty/work
Ophthalmology
Street address
Kosar blvd., Shafa hospital
City
Kerman
Province
Kerman
Postal code
7618751151
Phone
+98 34 1211 7980
Fax
+98 34 1211 5803
Email
a_sharifi@kmu.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Ali Sharifi
Position
Associate professor
Latest degree
Specialist
Other areas of specialty/work
Ophthalmology
Street address
Kosar blvd., Shafa hospital
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Province
Kerman
Postal code
7618751151
Phone
+98 34 1211 7980
Fax
+98 34 1211 5803
Email
a_sharifi@kmu.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Ali Sharifi
Position
Associate professor
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Ophthalmology

Street address

Kosar blvd., Shafa hospital

City

Kerman

Province

Kerman

Postal code

7618751151

Phone

+98 34 1211 7980

Fax

+98 34 1211 5803

Email

a_sharifi@kmu.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available