Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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)

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Email address

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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
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Kosar blvd., Shafa hospital
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7618751151
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Abbas Pardakhty
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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
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Person responsible for updating data

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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