Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of intralesional triamcinolone acetonide injection (TA) in comparison with incision and curettage (I and C) on treatment of patients with chronic chalazion

Protocol summary

Summary

In this study, effect of intralesional triamcinolone acetonide injection (TA) in comparison with incision and curettage (I and C) on treatment of chronic chalazion was investigated. In this randomized controlled trial, 51 patients with chronic chalazion who admitted to the Nikookary eye center were randomly allocated into two groups to receive an intralesional injection of TA (n=26) or I and C (n=25). All patients with chronic chalazion that unresponsive to medical treatment were included and patients with atypical chalazia, multiple chalazia on one eyelid, concurrent eyelid infection, and history of previous treatment by TA or I and C were excluded from the study. Patients were followed up for minimum of 45 days. Ninety percent regression in size of lesion was determined as success in treatment of patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201606156033N5**
Registration date: **2016-12-21, 1395/10/01**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-12-21, 1395/10/01

Registrant information

Name

Reza Nabie

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 411365577236

Email address

nabier@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2013-07-01, 1392/04/10

Expected recruitment end date

2015-07-01, 1394/04/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of intralesional triamcinolone acetonide injection (TA) in comparison with incision and curettage (I and C) on treatment of patients with chronic chalazion

Public title

Comparison of intralesional triamcinolone acetonide injection (TA) and curretage on treatment of chalazion

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: all patients with chronic chalazion which unresponsive to medical treatment. Exclusion criteria: patients with chalazia which have atypical features, concurrent eyelid infection, multiple chalazia on one eyelid, history of previous treatment by TA or I and C

Age

From **13 years** old to **70 years** old

Gender

Both

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **51**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethic Committee of Tabriz University Of Medical Sciences
Street address
Tabriz University of Medical Sciences, Daneshgah Street, Tabriz, Iran
City
Tabriz
Postal code
Approval date
2013-05-06, 1392/02/16
Ethics committee reference number
9395

Health conditions studied

1

Description of health condition studied
Diseases of the eye and adnexa
ICD-10 code
H00.1
ICD-10 code description
Chalazion

Primary outcomes

1

Description
Decreased size of chalazion
Timepoint
45 days
Method of measurement
Size of chalazion was measured by ruller and 90% decrease in the size of chalazion was defined as success

Secondary outcomes

1

Description
Recurrence of chalazion
Timepoint
45 days
Method of measurement
Observation

Intervention groups

1

Description
Intervention: Triamcinolone Acetate injection into the lesion
Category
Treatment - Surgery

2

Description
Control: Drainage and curettage of lesion
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Nikookari Eye Center
Full name of responsible person
Reza Nabie
Street address
Nikookari Eye CenterIran, Abbasi Street, Tabriz, Iran
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Reza Nabie
Street address
Tabriz University of Medical Sciences, Daneshgah Street, Tabriz, Iran
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
Nikookari Eye Center
Full name of responsible person
Reza Nabie
Position
Ophthalmologist, Associate Professor
Other areas of specialty/work
Street address
Nikookari Eye Center, Abbasi Street, Tabriz, Iran
City
Tabriz
Postal code
Phone
+98 41 3655 1332
Fax
Email
r_nabie@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Nikookari
Full name of responsible person
Reza Nabie
Position
Ophthalmologist, Associate Professor
Other areas of specialty/work
Street address
Nikookari Eye Center, Abbasi Street, Tabriz, Iran
City
Tabriz
Postal code
Phone
+98 41 3655 1332
Fax
Email
r_nabie@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Nikookari
Full name of responsible person
Reza Nabie
Position
Associate Professor
Other areas of specialty/work
Street address
Nikookari Eye Center, Abbasi Street, Tabriz, Iran
City
Tabriz
Postal code
Phone
+98 41 3655 1332
Fax
Email
r_nabie@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