

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 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

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+98 41 3655 1332

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r\_nabie@yahoo.com

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## 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

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## Person responsible for updating data

### Contact

**Name of organization / entity**  
Nikookari

**Full name of responsible person**  
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**Position**  
Associate Professor

**Other areas of specialty/work**

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Nikookari Eye Center, Abbasi Street, Tabriz, Iran

**City**  
Tabriz

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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*