

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of efficacy of Topical Timolol for treatment in conjunctival Pyogenic Granuloma

Protocol summary

Study aim

Evaluation of efficacy of Topical Timolol for treatment in conjunctival Pyogenic Granuloma in patients refer to Farshchian hospital 2022

Design

Phase 2-3 clinical trial is conducted on 46 patients without randomization and blinding.

Settings and conduct

This clinical trial study is conducted on pyogenic granuloma patients in Farshchian Hospital, Hamedan.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Pyogenic granuloma; Consent to participate in the study
Exclusion criteria: Pregnancy; Presence of previous similar lesions; Lost follow-up after 6 weeks.

Intervention groups

Intervention group: 46 patients with pyogenic granuloma of the eye conjunctiva will be treated with 5% topical timolol drops made by Sina Daro pharmaceutical company (Iran) twice a day for 3 to 6 weeks.

Main outcome variables

Lesion improvement, lesion recurrence and complications

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160523028008N27**

Registration date: **2023-01-13, 1401/10/23**

Registration timing: **prospective**

Last update: **2023-01-13, 1401/10/23**

Update count: **0**

Registration date

2023-01-13, 1401/10/23

Registrant information

Name

Mohammad Faryadras

Name of organization / entity

Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-01-25, 1401/11/05

Expected recruitment end date

2023-02-20, 1401/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of efficacy of Topical Timolol for treatment in conjunctival Pyogenic Granuloma

Public title

Evaluation of efficacy of Topical Timolol for treatment in conjunctival Pyogenic Granuloma

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Pyogenic granuloma
Consent to participate in the study

Exclusion criteria:

Pregnancy
Presence of previous similar lesions
Lost of follow-up after 6 week.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 46

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Research Ethic Committee of Hamadan University of Medical Sciences

Street address

Vice-chancellor of Research the Technology,
Hamadan University of Medical Sciences, Shahid
Fahmideh

City

Hamadan

Province

Hamadan

Postal code

6517838695

Approval date

2022-12-24, 1401/10/03

Ethics committee reference number

IR.UMSHA.REC.1401.833

Health conditions studied**1****Description of health condition studied**

Pyogenic granuloma

ICD-10 code

L98.0

ICD-10 code description

Pyogenic granuloma

Primary outcomes**1****Description**

Lesion healing

Timepoint

6 weeks after treatment

Method of measurement

Eye examination

2**Description**

Recurrence of the lesion

Timepoint

6 weeks after treatment

Method of measurement

Eye examination

Secondary outcomes**1****Description**

Complication

Timepoint

12 weeks after treatment

Method of measurement

Eye examination

Intervention groups**1****Description**

Intervention group: 46 patients with pyogenic granuloma of the eye conjunctiva will be treated with 5% topical timolol drops made by Sina Daro pharmaceutical company(Iran) twice a day for 3 to 6 weeks.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Farshchian Hospital

Full name of responsible person

Fatemeh Eslami

Street address

Farshchian Hospital, Mirzadeh Eshghi Ave

City

Hamadan

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Postal code

6517838695

Phone

+98 81 1828 5015

Email

hrgb2005@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Reza Shokohei

Street address

Vice-chancellor of Research the Technology,
Hamadan University of Medical Sciences, Shahid
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vc_research@umsha.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hamedan 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

Hamedan University of Medical Sciences

Full name of responsible person

Fatemeh Eslami

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

Ophthalmology

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Fatemeh Eslami

Position

Associate professor

Latest degree

Specialist

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Person responsible for updating data

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Full name of responsible person

Hamiad Salehei

Position

Medical student

Latest degree

Medical doctor

Other areas of specialty/work

Ophthalmology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

There is not a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available