

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Riboflavin-UV A chollagen crosslinking for treatment of recalcitrant infectious corneal ulcers

Protocol summary

Summary

Purpose of the study is to evaluate the efficacy of corneal collagen crosslinking on recalcitrant infectious corneal ulcers. In this clinical trial patients with infectious corneal ulcers without appropriate response to maximal conventional topical and subconjunctival antibiotics who are hospitalized in Nikookari eye hospital whose cornea are not severely thin and do not have a history of herpetic keratitis will undergo crosslinking with UV-A and riboflavin in the operation room after removal of the epithelium and will be followed up concerning the size of epithelial defect, infiltration and hypopyon.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105074166N3**

Registration date: **2011-11-12, 1390/08/21**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-11-12, 1390/08/21

Registrant information

Name

Rana Daei Sorkhabi

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1655 1332

Email address

rana@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Research vice chancellor of Tabriz University of Medical Sciences, research budget of ophthalmology department

Expected recruitment start date

2011-08-20, 1390/05/29

Expected recruitment end date

2011-11-20, 1390/08/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Riboflavin-UV A chollagen crosslinking for treatment of recalcitrant infectious corneal ulcers

Public title

The effect of cross linking on infectious corneal ulcer

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients with infectious corneal ulcer ;with a size of more than 3 mm;with hypopyon ;hospitalized in Nikookari eye hospital ;who have received the maximal conventional treatment including fortified topical and subconjunctival antibiotics without appropriate response. Exclusion criteria: Patients with a history of crosslinking; significant corneal thinning and descematocele formation; cases of recurrent infection; herpetic ulcers

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 10

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

Tabriz University of Medical Sciences Ethics Committee

Street address

Golgasht street

City

Tabriz

Postal code

Approval date

2011-08-15, 1390/05/24

Ethics committee reference number

9034

Health conditions studied

1

Description of health condition studied

Infectious corneal ulcers

ICD-10 code

H16.0

ICD-10 code description

Keratitis, Corneal ulcer

Primary outcomes

1

Description

Epithelial defect

Timepoint

Before intervention, daily until full healing, 2 months postintervention

Method of measurement

Evaluation with slit lamp with fluorescein, measurement in millimetres

2

Description

Infiltration

Timepoint

Before intervention, daily until full healing, 2 months postintervention

Method of measurement

Evaluation with slit lamp, measurement in millimetres

3

Description

Hypopyon

Timepoint

Before intervention, daily until full healing, 2 months postintervention

Method of measurement

Evaluation with slit lamp, measurement in millimetres

Secondary outcomes

empty

Intervention groups

1

Description

Collagen cross linking with ultraviolet irradiation and riboflavin

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Nikookari Eye Hospital

Full name of responsible person

Rana Daii Sorkhabi

Street address

Abbasi street

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for research, Tabriz University of Medical Sciences

Full name of responsible person

Vice-chancellor for research

Street address

Azadi avenue, Golgasht street

City

Tabriz

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice-chancellor for research, 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

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Person responsible for updating data

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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