

# 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

**Name of organization / entity**  
Nikookari eye hospital, Faculty of Medicine, Tabriz University of Medical Sciences  
**Full name of responsible person**  
Rana Daii Sorkhabi  
**Position**  
Associated professor  
**Other areas of specialty/work**  
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+98 41 1657 7330  
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**Web page address**

## Person responsible for scientific inquiries

### Contact

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Nikookari eye hospital, Faculty of Medicine, Tabriz University of Medical Sciences  
**Full name of responsible person**  
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## Person responsible for updating data

### Contact

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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*