

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

A controlled trial of topical Povidone-iodine to treat EKC

Protocol summary

Summary

1. Objectives : A controlled trial of topical Povidone-iodine to treat EKC 2. Design : Randomized, Double-blind 3. Setting and conduct : Patients in the study will be randomly assigned to three groups. Povidone iodine 0.4% and Povidone iodine 0/2% eye drops is prescribed. The control group received conventional treatment prescribed for the disease, Then the results can be studied. 4. Inclusion criteria : Patients who are diagnosed EKC by an special anterior segment ophthalmolog and clinically had viral conjunctivitis symptoms (Redness, Purulent discharge, Foreign body sensation, Follicular conjunctival reaction, Pthechia) Exclusion criteria: Pregnancy, Steroid dependent glaucoma, Herpes simplex keratitis history, Symptoms for more than 3 days, Less than 7 years old, More than 50 years old , And lack of follow-up visits. 5. Intervention : Povidone iodine0.4% and Povidone iodine 0/2% eye drops 6. Main outcome measures variables : Injection, Discharge, Peri orbital edem, Chemosis, Bloody discharge, Foreign body sensation, Discharge, Tearing, Feeling care, Sub epithelial opacity in the three groups will be compared. In this study, We attempt to examine effect of topical Povidone iodine to treat epidemic keratoconjunctivitis.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015021518004N2**
Registration date: **2015-06-01, 1394/03/11**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-06-01, 1394/03/11

Registrant information

Name

Mohammad Hossein Validad

Name of organization / entity

Zahedan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2015-05-05, 1394/02/15

Expected recruitment end date

2016-05-04, 1395/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A controlled trial of topical Povidone-iodine to treat EKC

Public title

A controlled trial of topical Povidone-iodine to treat EKC

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Injection : Purulent discharge : Foreign body sensation : Follicular conjunctival reaction : Pthechia ;: Exclusion criteria: Pregnancy : Steroid dependent glaucoma : Herpes simplex keratitis history : Symptoms for more than 3 days : Less than 7 years old : More than 50 years old : And lack of follow-up visits: .

Age

From **6 years** old to **50 years** old

Gender

Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **60**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Zahedan University of Medical Sciences, Zahedan, Iran

Street address

Pardis of Zahedan University of Medical Sciences , Hesabi av , Zahedan, Iran

City

Zahedan

Postal code

۹۸۱۶۷۴۳۴۶۳

Approval date

2015-02-22, 1393/12/03

Ethics committee reference number

1497

Health conditions studied

1

Description of health condition studied

Epidemic Keratoconjunctivitis

ICD-10 code

H16.2

ICD-10 code description

Superficial keratitis with conjunctivitis

Primary outcomes

1

Description

Injection

Timepoint

1, 4, 7, 10 day

Method of measurement

Ophthalmologist visit

2

Description

Discharge

Timepoint

1, 4, 7, 10 day

Method of measurement

Ophthalmologist visit

3

Description

Peri orbital edem

Timepoint

1, 4, 7, 10 day

Method of measurement

Ophthalmologist visit

4

Description

Chemosis

Timepoint

1, 4, 7, 10 day

Method of measurement

Ophthalmologist visit

5

Description

Bloody discharge

Timepoint

1, 4, 7, 10 day

Method of measurement

Ophthalmologist visit

6

Description

Foreign body sensation

Timepoint

1, 4, 7, 10 day

Method of measurement

Patient answer

7

Description

Discharge

Timepoint

1, 4, 7, 10 day

Method of measurement

Patient answer

8

Description

Tearing

Timepoint

1 ,4, 7, 10 day

Method of measurement

Patient answer

9**Description**

Feeling cure

Timepoint

1, 4, 7, 10 day

Method of measurement

Patient answer

10**Description**

Sub epithelial opacity

Timepoint

10th day

Method of measurement

Patient answer

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

none

Timepoint

none

Method of measurement

none

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

Group 3 : Betamethasone drop 0.1%, Chloramphenicol drop, Artificial tear, All drops every 4 hour, 4 times daily for 9 days

Category

Treatment - Drugs

2**Description**

Group 1 : Povidone iodine 0.4% drop, Betamethasone 0.1% drop, Artificial tear, Povidone iodine first 3 days every 4 hour, Second 3 days every 8 hour and third 3 days every 12 hour for 9 days overall, Other drops every 4 hour, 4 times daily for 9 days

Category

Treatment - Drugs

3**Description**

Group 2 : Povidone iodine 0.2% drop, Betamethasone 0.1% drop, Artificial tear, Povidone iodine first 3 days every 4 hour, second 3 days every 8 hour and third 3 days every 12 hour for 9 days overall, Other drops every 4 hour, 4 times daily for 9 days

Category

Treatment - Drugs

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

Alzahra eye hospital, Zahedan

Full name of responsible person

Dr. Gholamreza Seyedpiran

Street address

Alzahra eye hospital , Motahari av , Zahedan, Iran

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Zahedan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Zahedan University of Medical Sciences

Full name of responsible person

Miss Shafaghat

Street address

Pardis of Zahedan University of Medical Sciences , Hesabi av , Zahedan, Iran

City

Zahedan

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, Zahedan 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**

Alzahra eye hospital, Zahedan

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Position

Ophthalmology resident

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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