

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Comparing the efficacy of topical Niosomal Zinc Sulfate plus cryotherapy and placebo plus cryotherapy in the treatment of Verruca Vulgaris

Protocol summary

Summary

This double-blind controlled clinical trial will recruit 60 patients with verruca vulgaris -with minimum of one lesion that has minimum diameter of 6 millimeter- who visit the dermatology clinic of Afzalipour Hospital (kerman, Iran). Exclusion criteria are lesions on face, genitalia and periungual; patients under 12 and above 50 years; immune suppression; pregnancy and lactating; patients who has received any treatment. Table of random numbers will be used for random allocation of the patients. Both groups will receive cryotherapy with liquid nitrogen (with the usage of cotton swabs and double freez-thaw cycle until creating two-millimeter white halo around lesions) every other week . Patients in group A and B will receive 2% niosomal zinc sulfate cream and placebo twice a day, respectively. Treatment will be performed for maximum 3 months or until total clearance of the lesions, whichever occurs first. The patients will be included if diagnosis is confirmed by careful clinical examination. A demographic questionnaire and consent form will be filled out at baseline. A researcher unaware of grouping will visit at baseline and after 2, 4, 6, 8,10 and 12 weeks. Every other week patients in both groups will be visited by researcher to observe side effects (hyperpigmentation, hypopigmentation, blister, pruritus) and lesion's response to treatment (complete lesion disappearance, size reduction). Two and four weeks after clearance of lesions patients will be examined for any possible recurrence.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017100936660N1**

Registration date: **2017-10-27, 1396/08/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-27, 1396/08/05

Registrant information

Name

Fahameh Fadaeiresketi

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 34 3132 8328

Email address

f.fadaei@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

vice chancellor for research, Kerman University of Medical Sciences

Expected recruitment start date

2016-04-20, 1395/02/01

Expected recruitment end date

2017-04-21, 1396/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the efficacy of topical Niosomal Zinc Sulfate plus cryotherapy and placebo plus cryotherapy in the treatment of Verruca Vulgaris

Public title

Comparison between cryotherapy and topical zinc sulfate with cryotherapy and placebo in common wart treatment

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: consent to participate; verruca vulgaris patients with minimum of one lesion that has minimum diameter of 6 millimeter exclusion criteria: lesions on face, genitalia and periungual; patients under 12 and above 50 years; immune suppression; pregnancy and lactating; patients who has received any treatment

Age

From **12 years** old to **50 years** old

Gender

Both

Phase

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

Used

Assignment

Parallel

Other design features

Table of random numbers (mini tab 16 software)

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committe of Kerman University of Medical Sciences

Street address

Pardis of Kerman University of Medical Sciences,beginning of Haftbagh Alavi Highway,Kerman

City

Kerman

Postal code

7616913555

Approval date

2015-09-23, 1394/07/01

Ethics committee reference number

IR.KMU.REC.1394.226

Health conditions studied

1

Description of health condition studied

verruca vulgaris

ICD-10 code

B07

ICD-10 code description

viral warts

Primary outcomes

1

Description

size of lesion

Timepoint

before intervention, 2, 4, 6, 8, 10 and 12 weeks after intervention

Method of measurement

scaling with ruler(in millimeter)

2

Description

treatment sessions number

Timepoint

every other week until complete resolution or up to 3 months

Method of measurement

counting

Secondary outcomes

1

Description

hyperpigmentation

Timepoint

2, 4, 6, 8, 10 and 12 weeks after intervention

Method of measurement

inspection

2

Description

hypopigmentation

Timepoint

2, 4, 6, 8, 10 and 12 weeks after intervention

Method of measurement

inspection

3

Description

blister

Timepoint

2, 4, 6, 8, 10 and 12 weeks after intervention

Method of measurement

inspection

4

Description

pain
Timepoint
2, 4, 6, 8, 10 and 12 weeks after intervention
Method of measurement
questionnaire

5

Description
pruritus
Timepoint
2, 4, 6, 8, 10 and 12 weeks after intervention
Method of measurement
questionnaire

Intervention groups

1

Description
intervention: cryotherapy of lesions every other week plus application of topical niosomal zinc sulfate two times a day until complete remission or for maximum duration of 3 month
Category
Treatment - Drugs

2

Description
control: cryotherapy of lesions every other week plus application of placebo two times a day until complete remission or for maximum duration of 3 months
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Dermatology Clinic, Afzalipour Hospital
Full name of responsible person
Fahameh Fadaeiresketi
Street address
Afzalipour Hospital, Imam Khomeini Highway
City
Kerman

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for Research, Kerman University of Medical Sciences
Full name of responsible person
Dr. Abbas Pardakhti
Street address
Ebne Sina St. ,Tahmasbabad Crossroad

City
Kerman
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, Kerman 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
Kerman University of Medical Sciences
Full name of responsible person
Fahameh Fadaeiresketi
Position
resident
Other areas of specialty/work
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Person responsible for scientific inquiries

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Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
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Dermatopathology Fellowship
Other areas of specialty/work
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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

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Full name of responsible person

Fahameh Fadaeiresketi

Position

Resident

Other areas of specialty/work**Street address**

Afzalipour Hospital, Imam Khomeini Highway

City

Kerman

Postal code**Phone****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