Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of topical capsaicin versus cryotherapy on clinical sign in patients with verruca vulgaris: a randomized clinical trial

Protocol summary

Summary

Objectives: To assess the effect of topical capsaicin versus cryotherapy on clinical signs in patients with verruca vulgaris. Design: a randomized clinical trial. Setting and conduct: The eligible patients with verruca vulgaris who will refer to Farshchian Hospital during the study period will be enrolled into the trial. Inclusion criteria: (a) age between 5 to 70 years; (b) having at least one wart with 5 mm diameter on the dorsum of the hand. Exclusion criteria: (a) immunodeficiency; (b) pregnancy. Intervention group: Topical capsaicin three a day for 6 weeks Control group: Cryotherapy every two weeks for 6 weeks Primary outcome: Measuring diameter of wart using vernier ruler 6 weeks after beginning of treatment. Secondary outcome: (a) assessing erythema through question 6 weeks after beginning of treatment; (b) assessing local pain or burning through question 6 weeks after beginning of treatment. Randomization: The patients will be randomly assigned to intervention and control groups through drawing of lots. Blinding: Not possible.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201601179014N89**
Registration date: **2016-01-21, 1394/11/01**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-01-21, 1394/11/01

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 0090

Email address

poorolajal@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

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

Expected recruitment start date

2015-11-22, 1394/09/01

Expected recruitment end date

2016-03-20, 1395/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of topical capsaicin versus cryotherapy on clinical sign in patients with verruca vulgaris: a randomized clinical trial

Public title

Effect of topical capsaicin versus cryotherapy on clinical sign in patients with verruca vulgaris

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: (a) age between 5 to 70 years; (b) having at least one wart with 5 mm diameter on the dorsum of the hand. Exclusion criteria: (a) immunodeficiency; (b) pregnancy.

Age
From **5 years** old to **70 years** old
Gender
Both

Phase
2
Groups that have been masked
No information
Sample size
Target sample size: **108**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Randomization: The patients will be randomly assigned to intervention and control groups through drawing of lots. Blinding: Not possible.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Hamadan University of Medical Sciences
Street address
Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences, Shahid Fahmideh Ave
City
Hamadan
Postal code
6517838695
Approval date
2015-12-26, 1394/10/05
Ethics committee reference number
IR.UMSHA.REC.1394.414

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
Diameter of wart
Timepoint
6 weeks after beginning of treatment
Method of measurement
using vernier ruler

Secondary outcomes

1

Description
Erythema
Timepoint
6 weeks after beginning of treatment
Method of measurement
through question

2

Description
Local pain or burning
Timepoint
6 weeks after beginning of treatment
Method of measurement
through question

Intervention groups

1

Description
Topical capsaicin three a day for 6 weeks
Category
Treatment - Drugs

2

Description
Cryotherapy every two weeks for 6 weeks
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Farshchian Hospital
Full name of responsible person
Leila Khezrian
Street address
Farshchian Hospital, Mirzadeh Eshghi Ave.
City
Hamadan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences
Full name of responsible person
Dr Saeid Bashirian
Street address
Hamadan University of Medical Sciences, Shahid Fahmideh Ave
City
Hamadan
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 the Technology, Hamadan 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
Farshchian Hospital
Full name of responsible person
Leila Khezrian
Position
Medical Student
Other areas of specialty/work
Street address
Farshchian Hospital, Mirzadeh Eshghi Ave.
City
Hamadan
Postal code
Phone
+98 81 3827 4184
Fax
Email
khezrian.leila@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Farshchian Hospital
Full name of responsible person
Dr Gholamreza Eshghi
Position
Dermatologist
Other areas of specialty/work
Street address
Farshchian Hospital, Mirzadeh Eshghi Ave.
City
Hamadan
Postal code
Phone
+98 81 3827 4184
Fax
Email
gholamrezaeshghi58@gmail.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Department of Epidemiology
Full name of responsible person
Dr Jalal Poorolajal
Position
Associate Professor
Other areas of specialty/work
Street address
School of Public Health, Hamadan University of Medical Sciences, Shahid Fahmideh Ave
City
Hamadan
Postal code
6517838695
Phone
+98 81 3838 0090
Fax
Email
poorolajal@umsha.ac.ir
Web page address

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