

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Jul 2026

Comparison of the efficacy of cryotherapy and hydroalcoholic extract of the aerial parts of *Allium porrum* in the treatment of common warts.

Protocol summary

Summary

(1) Objective: To introduce the hydroalcoholic extract of the aerial parts of *Allium porrum* L as an inexpensive ,available treatment for common warts without complications. (2)Experiment Design: patients with common warts on their hands were divided into two groups :first one treated with cryotherapy and the second group treated with the topical application of the hydroalcoholic extract of the aerial parts of *Allium porrum* L . 60 patients ,who were not randomly selected, entered in a not blinded, single center experiment with no placebo-control. (3)Setting and conduct: The patients were not randomly selected and after taking written consent entered the study and were monitored on a weekly basis. (4)The main criteria for inclusion: common warts on the hand. The main criteria for exclusion: a progressive systemic disease or skin disease. (5)Interventions: The control group were treated with cryotherapy once a week for up to three weeks and the case (study) group were treated with the topical application of the hydralcoholic extract of the aerial parts of *Allium porrum* L for two hours on a daily basis for three weeks. 6)The main variables: Measuring the diameter of warts and taking their pictures before the intervention, one week after the intervention, two weeks after the intervention, and three weeks after intervention ,as well as developing a questionnaire to determine patient satisfaction and the side effects of the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016081629392N1**

Registration date: **2017-03-22, 1396/01/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-03-22, 1396/01/02

Registrant information

Name

Mostafa Alizadeh

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 38 1814 6851

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Arak University of Medical Sciences.

Expected recruitment start date

2015-06-22, 1394/04/01

Expected recruitment end date

2016-04-20, 1395/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of cryotherapy and hydroalcoholic extract of the aerial parts of *Allium porrum* in the treatment of common warts.

Public title

The effect of *Allium porrum* in the treatment of common warts.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All patients with common warts on the clinic of Medical Sciences in 94-95: written informed consent from patients for the study. Exclusion criteria: Pregnancy: breastfeeding the baby: a immunodeficiency disorders: progressive systemic diseases: blistering disorders, allergy history, treatment during recent 2 months.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

1

Registry name

-

Secondary trial Id

-

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Arak University of Medical Sciences.

Street address

Arak University of Medical Sciences, Basij SQ, Sardasht, Arak.

City

Arak

Postal code

3848176941

Approval date

2015-04-15, 1394/01/26

Ethics committee reference number

IR.ArakMU.REC.1394.11

Health conditions studied

1

Description of health condition studied

wart

ICD-10 code

b07

ICD-10 code description

Viral warts

Primary outcomes

1

Description

Warts's diameter

Timepoint

Baseline and every week to three weeks after intervention

Method of measurement

Ruler

Secondary outcomes

1

Description

pain

Timepoint

During treatment

Method of measurement

questionnaire

2

Description

hypopigmentation

Timepoint

End of treatment

Method of measurement

Questionnaire and examination

3

Description

hyperpigmentation

Timepoint

end of treatment

Method of measurement

Questionnaire and examination

4

Description

Blister

Timepoint

At the end of the treatment

Method of measurement

Questionnaire and examination

5

Description

Recurrence

Timepoint

end of treatment

Method of measurement

Questionnaire and examination

6

Description

Satisfaction

Timepoint

During and at the end of the treatment

Method of measurement

Questionnaire

Intervention groups

1

Description

The control group consisted of thirty patients with common warts on their hands who were treated with cryotherapy as a standard treatment. Patients were treated with cryotherapy once a week for up to three weeks in such a way that in each session one millimeter of the skin around the warts would get whiten.

Category

Treatment - Other

2

Description

The intervention group included thirty patients with common warts on their hands who were treated by topical application of the hydalcoholic extract of the aerial parts of *Allium porrum* L for up to three weeks. In such a way that the patients would put a clean piece of cotton dipped in the solution and placed it on the lesion. Then after two hours it would be debrided using warm water.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Clinic of Imam Reza (PBUH)

Full name of responsible person

Dr. Hamid Hamidi

Street address

Clinic of Imam Reza (PBUH), Valiasr St, Arak.

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research, Arak University of Medical Sciences.

Full name of responsible person

Dr. Mohammad Rafiei

Street address

Arak University of Medical Sciences, Basij Square, Sardasht, Arak.

City

Arak

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, Arak 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

Arak University of Medical Sciences

Full name of responsible person

Dr. Hamid Hamidi

Position

Assistant Professor of Dermatology

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr. Hamid Hamidi

Position

Assistant Professor of Dermatology

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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

Person responsible for updating data**Contact****Name of organization / entity**

Arak University of Medical Sciences

Full name of responsible person

Mastafa Alizadeh

Position

Medical student