

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Comparison of the efficacy of garlic extracts 10% and cryotherapy (liquid nitrogen) in the treatment of the genital warts in men.

Protocol summary

Summary

The aim of this clinical trial is comparison the efficacy of 10% garlic extract and Cryotherapy in treatment of genital warts in men. For evaluation a new effective and low cost treatment and less side effects. 33 male patients referred to dermatology clinic of Imam hospital in Ahvaz with genital warts were enrolled. The informed consent was taken from all patients who enrolled in the study. The inclusion criteria includes: clinically diagnosed genital warts and have more than two warts on both sides of genital region. Excluding criteria includes: past history of sensitivity to garlic. Diagnosis was made by two dermatologists. In ambiguous cases a biopsy was taken. Demographic data on age, duration of disease, size and number of lesions were recorded. Cryotherapy with- 196° temperature liquid nitrogen was performed for all right sided warts and garlic extract 10% was applied on all left-sided warts. A cotton swab immersed in garlic extract was applied for 10 seconds on left side lesions. Garlic extract was prepared by pharmacy school of Jundishapur University of Medical Sciences. cryotherapy was applied every two weeks. Participants were trained to self apply garlic extract twice a day with a cotton swab. They were visited every two weeks up to 8 weeks. Before, during and at the end of study photography was taken by camera (canon, 5megapixel) at a thirty centimeter distance and full face. At the end of 8th week data on both groups were analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201202138992N1**

Registration date: **2012-05-27, 1391/03/07**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-05-27, 1391/03/07

Registrant information

Name

Abolfath Mehrabian

Name of organization / entity

Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1292 1837

Email address

mehrabian.a@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2011-03-13, 1389/12/22

Expected recruitment end date

2011-09-13, 1390/06/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of garlic extracts 10% and cryotherapy (liquid nitrogen) in the treatment of the genital warts in men.

Public title

The efficacy of cryotherapy versus garlic extract 10% in the treatment of genital warts in men.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria :men; more than two warts on both sides of genital region
Exclusion criteria: patients with past history sensitivity to garlic.

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 33

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Jundishapur University of Medical Sciences

Street address

Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

Postal code

Approval date

2011-03-12, 1389/12/21

Ethics committee reference number

EPH129

Health conditions studied

1

Description of health condition studied

Genital wart

ICD-10 code

A63.0

ICD-10 code description

Anogenital (venereal) warts

Primary outcomes

1

Description

Genital warts

Timepoint

2 weeks

Method of measurement

Number of genital warts

Secondary outcomes

1

Description

Contact dermatitis

Timepoint

2 weeks

Method of measurement

Patients report & observer

Intervention groups

1

Description

A cotton swab immersed in 10% garlic extract was applied for 10 seconds on left side lesions twice daily for 8 weeks by the patients.

Category

Treatment - Drugs

2

Description

Cryotherapy with -196° temperature liquid nitrogen by the open spray method was applied every two weeks up to 8 weeks and appearance of 1-1.5 mm frozen margin was considered the end of Procedure.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Abolfath Mehrabian

Street address

Imam Khomeini Hospital, Ahvaz, Iran

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Jundishapur University of Medical Sciences

Full name of responsible person
Mostafa Fegghi
Street address
Jundishapur University of Medical Sciences
City
Ahvaz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Jundishapur 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
Jundishapur University of Medical Sciences
Full name of responsible person
Abolfath Mehrabian
Position
Resident of Dermatology
Other areas of specialty/work
Street address
Imam Hospital
City
Ahvaz
Postal code
Phone
+98 61 1292 1837
Fax
+98 61 1292 1837
Email
mehrabian.a@ajums.ac.ir dr_mehrabian@ymail.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person

Abolfath Mehrabian
Position
Resident of Dermatology
Other areas of specialty/work
Street address
Imam Hospital
City
Ahvaz
Postal code
Phone
+98 61 1292 1837
Fax
+98 61 1292 1837
Email
mehrabian.a@ajums.ac.ir dr_mehrabian@ymail.com
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person
Abolfath Mehrabian
Position
Resident of Dermatology
Other areas of specialty/work
Street address
Imam Hospital
City
Ahvaz
Postal code
Phone
+98 61 1292 1837
Fax
+98 61 1292 1837
Email
mehrabian.a@ajums.ac.ir dr_mehrabian@ymail.com
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