

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jul 2026

The efficacy and safety of thermotherapy and cryotherapy in the treatment of wart

Protocol summary

Summary

High prevalence of Wart and its impact on patient's social life necessitates efficacious ,economical and safe therapeutic interventions. This study is a randomized controlled clinical trial aiming to evaluate the efficacy and safety of of thermotherapy in the treatment of wart. Sixty patients with the age of eighteen and above who have warts on trunk and limbs with no history of intolerance to cold and heat, diabetes mellitus, peripheral vascular disease, immunodeficiency, treatment of wart during the last three months and are not pregnant and breast feeding would be included. They will be randomized into two groups of cryotherapy and thermotherapy. In cryotherapy group the treatment would be done every two weeks for a maximum of six sessions. The final follow-up is three months after the last session of cryotherapy. In thermotherapy group we would do the treatment for just one session and then patient would be visited every two weeks for three months. In each visit the size of wart, side effects and patients' satisfaction would be evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015010120514N1**

Registration date: **2015-01-25, 1393/11/05**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-01-25, 1393/11/05

Registrant information

Name

Alireza Firooz

Name of organization / entity

Tehran University of Medical Science

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Science

Expected recruitment start date

2015-02-15, 1393/11/26

Expected recruitment end date

2016-02-15, 1394/11/26

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The efficacy and safety of thermotherapy and cryotherapy in the treatment of wart

Public title

The efficacy and safety of heattherapy and coldtherapy in the treatment of wart

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age of 18 years old and above; less than 10 warts; signed informed consent voluntarily and knowingly. Exclusion criteria: being treated during the last two months; warts on the face and genital; plane warts; pregnancy; breast feeding; intolerance to heat; intolerance to cold; diabetes mellitus; peripheral vascular disease; immunodeficiency.

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

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

Ethics in Research Committee of Tehran University of Medical Sciences

Street address

Room 105 , 5th floor, Central construction of Tehran University of Medical Sciences , Ghods intersection , Keshavarz blvd.

City

Tehran

Postal code

1417653761

Approval date

2014-12-07, 1393/09/16

Ethics committee reference number

9111166002-1

Health conditions studied

1

Description of health condition studied

wart

ICD-10 code

12

ICD-10 code description

B07

Primary outcomes

1

Description

Disappearing of wart

Timepoint

Before the intervention, every month in thermotherapy group after discontinuation of tretment for three month and in cryotherapy group before the intervention and every two weeks for the maximum six sessions and then 3 months after the discontinuation of treatment

Method of measurement

physical examination, Digital photography, patient's satisfaction

Secondary outcomes

1

Description

Blister

Timepoint

After each session of intervention

Method of measurement

Asking patients

2

Description

Ulcer

Timepoint

After each session of intervention

Method of measurement

Asking patients

3

Description

Infection

Timepoint

After each session of intervention

Method of measurement

Asking patients

Intervention groups

1

Description

Intervention group : Thermotherapy once

Category

Treatment - Other

2

Description

Control group: Cryotherapy every two weeks until warts are removed or for maximum six sessions.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Dr Leila Izadi Firouzabadi

Street address

Vahdat-Eslami Square

City

Tehran

Tehran

Postal code

119963911

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Fax

+98 21 5562 0300

Email

lilaizadi@yahoo.com

Web page address

razidermgroup.tums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research of Tehran University of Medical Sciences

Full name of responsible person

Dr. Masoud Younesian

Street address

Central Construction of Tehran University of Medical Sciences , Ghods intersection , Keshavarz blvd. Vice chancellor for research of Tehran University of Medical Sciences

City

Tehran

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 of Tehran 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

Tehran University of Medical Science

Full name of responsible person

Dr Leila Izadi Firouzabadi

Position

Resident of dermatology

Other areas of specialty/work

Street address

Vahdate-Eslami Square

City

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Science

Full name of responsible person

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Person responsible for updating data

Contact

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Full name of responsible person

Dr Leila Izadi Firouzabadi

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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