Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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)
Phone
+98 21 8897 8190
Email address
firozali@tums.ac.ir

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

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice Chancellor for Reasearch 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 Reasearch 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
Tehran

Postal code
119963911

Phone
+98 21 5566 4089

Fax
+98 21 5562 0300

Email
lilaizadi@yahoo.com

Web page address
razidermgroup.tums.ac.ir

Person responsible for scientific 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
Vahdat-Eslami Square

City
Tehran

Postal code
119963911

Phone
+98 21 5566 4089

Fax
+98 21 5562 0300

Email
lilaizadi@yahoo.com

Web page address
razidermgroup.tums.ac.ir

Person responsible for updating data

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
Vahdat-Eslami Square

City
Tehran

Postal code
119963911

Phone
+98 21 5566 4089

Fax
+98 21 5562 0300

Email
lilaizadi@yahoo.com

Web page address
razidermgroup.tums.ac.ir

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