

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

comparison of carbon dioxide laser and cryotherapy in plantar wart

Protocol summary

Summary

In this trial efficacy of cryotherapy and CO2 laser in the treatment of plantar wart is compared. Sixty patients with plantar wart who were visited at dermatology clinic of Shahid Faghihi Hospital is included and will be allocated into two groups of 30 members according to block randomization. Inclusion criteria are plantar warts patients above 18 years old who take no treatment yet. Exclusion criteria are pregnancy, lactation and history of keloid formation. Both groups underwent treatment weekly and response as the size of warts will be recorded with photography and caliper. In cryotherapy group, each session has two 15-seconds cycles. Treatment failure in cryotherapy group is defined as 12 sessions without clearance of warts. The other group underwent LASER therapy with continuous mode, power of 15-25 watt and 1-2 passes. Failure of treatment defined as the presence of the lesion after 3 sessions. The research is single blinded (for the analyzer).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017052831028N2**

Registration date: **2017-07-24, 1396/05/02**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-07-24, 1396/05/02

Registrant information

Name

Seyed Mohammad Salar Zaheryani

Name of organization / entity

Shiraz University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3234 1510

Email address

smszaheryany@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2017-05-22, 1396/03/01

Expected recruitment end date

2018-05-22, 1397/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison of carbon dioxide laser and cryotherapy in plantar wart

Public title

effectiveness difference between cryotherapy and carbon dioxide laser in treatment of plantar warts

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patient with plantar wart that were above 18 year old; did not take any treatment for their plantar warts yet exclusion criteria: pregnancy; lactation; history of keloid formation

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)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Shiraz University of Medical Sciences

Street address

Shiraz University Of Medical Sciences

City

Shiraz

Postal code**Approval date**

2017-05-03, 1396/02/13

Ethics committee reference number

IR.SUMS.MED.REC.1396.08

Health conditions studied**1****Description of health condition studied**

plantar wart

ICD-10 code

B07

ICD-10 code description

Viral warts

Primary outcomes**1****Description**

area affected with wart

Timepoint

before starting of treatment and then weekly up to 12 week

Method of measurement

photography and use Caliper

Secondary outcomes

empty

Intervention groups**1****Description**

Control group: cryotherapy was done weekly until cure of wart or 12 sessions of treatment were done. in each session 2 cycle of 15 seconds treatment are done .

Category

Treatment - Surgery

2**Description**

Intervention group: patients were treated with continuous mode of CO2 laser ,15-25 watt and 1-2 pass weekly . treatment was done until clearance of warts or 3 sessions.

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shahid Faghihi Hospital of Shiraz

Full name of responsible person

Nahid Hemmatian Boroujeni

Street address

Dermatology Department,Shahid Faghihi Hospital, Shiraz, Iran

City

Shiraz

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Shiraz University of Medical Sciences

Full name of responsible person

Seyed Masoom Masoompour

Street address

Vice-Chancellor for Research, Shiraz University of Medical Sciences, Zand Blvd., Shiraz, Iran

City

Shiraz

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, Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Nahid Hemmatian Boroujeni

Position

Resident of Dermatology

Other areas of specialty/work

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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