

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Comparison the effectiveness of cryosurgery and electrocoagulation in the treatment of cherry angioma

Protocol summary

Summary

Cherry angioma is one of the most common cutaneous vascular proliferation, so in this study, we want to compare the efficacy of cryosurgery and electrocoagulation to achieve the most effective treatment option. Patients aged 30 to 60 years without evidence of malignancy were recruited and pregnant or breast-feeding women and patients with history of cold urticaria are excluded. In this study, 50 patients entered the study and underwent electrocoagulation or cryosurgery accidentally at the time of admission, and followed at regular intervals in three months. The outcomes of these two procedures compared and infection, scar, cosmetic outcomes and other side effects were evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015012420468N2**

Registration date: **2015-06-24, 1394/04/03**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-06-24, 1394/04/03

Registrant information

Name

Reza Robati

Name of organization / entity

Skin Research Center

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research of Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2014-08-23, 1393/06/01

Expected recruitment end date

2015-08-23, 1394/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effectiveness of cryosurgery and electrocoagulation in the treatment of cherry angioma

Public title

Comparison of treatment results of vascular red spots by different procedures

Purpose

Treatment

Inclusion/Exclusion criteria

- Inclusion criteria: Patients with cherry angioma without evidence of malignancy, no evidence of infection in the lesion - Exclusion criteria: Evidence of cold urticaria, cold intolerance, coexistence of cryoglobulinemia or cryofibrinogenemia, pregnancy and lactation, history of keloid, age less than 30 and over 60

Age

From **30 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 50

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 Committee of Shahid Beheshti University of Medical Sciences

Street address

Skin Research Center, Tajrish Square, Shohadaye Tajrish Hospital

City

Tehran

Postal code

Approval date

2014-09-23, 1393/07/01

Ethics committee reference number

449,92

Health conditions studied

1

Description of health condition studied

Treatment of patients with cherry angioma.

ICD-10 code

XII

ICD-10 code description

Diseases of the skin and subcutaneous tissue

Primary outcomes

1

Description

The rate of recovery of cherry angioma

Timepoint

Before procedure, 1 week, 1 month, 3 months intervals

Method of measurement

Photography before procedure and in follow up intervals, patient satisfaction

Secondary outcomes

1

Description

Side effects (pain, infection, scar, discoloration, keloid formation)

Timepoint

1 week, 1 month, 3 months intervals after procedure

Method of measurement

Evaluation of patient photographs by two dermatologists

Intervention groups

1

Description

Intervention group: Electrocoagulation with the same parameters on cherry angioma lesions

Category

Treatment - Devices

2

Description

Control Group: Cryotherapy with cotton swap on cherry angioma lesions including two freeze-thaw cycles

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Shohadaye Tajrish Hospital

Full name of responsible person

Reza Robati, MD Associate Professor of Dermatology

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Skin Research Center, Shohada-E- Tajrish Educational Hospital, Qods Sq, Tehran, Iran

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research of Shahid Beheshti University of Medical Sciences

Full name of responsible person

Parviz Toossi, MD

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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 Shahid Beheshti
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
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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