

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

Comparison of the therapeutic efficacy and safety of 10% Potassium hydroxide (KOH) solution versus 50% Trichloroacetic acid (TCA) solution in the treatment of plane warts

Protocol summary

Study aim

Comparison of the therapeutic efficacy and safety of 10% Potassium hydroxide (KOH) solution versus 50% Trichloroacetic acid (TCA) solution in the treatment of plane warts.

Design

In this interventional RCT, 64 patients that attending dermatology department of Emam hospital with diagnoses of plane warts are included in the study. Patients will be randomly assigned into two groups with 32 members that will be treated by KOH 10% and TCA 50% for 12 weeks and the results will be compared at the end of the study.

Settings and conduct

The study is triple blind. Patient, doctor and data analyzer are blind. The appearance of the drugs are similar and they are in A and B bottles and only one person in dermatology ward who is not involved in the project knows the type of drugs.

Participants/Inclusion and exclusion criteria

Inclusion criteria: being at the age of 4 years and over, number of warts between 3-30. Exclusion criteria: Pregnancy; breast feeding; Patients with hypersensitivity to KOH or TCA; Patients who are currently using any other treatment for warts; Patients who are unable to return for follow up visits or comply with the protocol; patients with high wart count (>30).

Intervention groups

Patients are divided into two 32-member groups. One group is treated with KOH 10% and second group is treated with TCA 50%.

Main outcome variables

Wart number; wart size

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170829035976N2**

Registration date: **2018-02-05, 1396/11/16**

Registration timing: **registered_while_recruiting**

Last update: **2018-02-05, 1396/11/16**

Update count: **0**

Registration date

2018-02-05, 1396/11/16

Registrant information

Name

Bahareh Maleki

Name of organization / entity

Dermatologist

Country

Iran (Islamic Republic of)

Phone

+98 61 3391 2191

Email address

maleki.b@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-08-23, 1396/06/01

Expected recruitment end date

2018-02-19, 1396/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

2

Category

Treatment - Drugs

2**Description**

Intervention group 2: The group which is treated with trichloroacetic acid 50%, weekly for 12 weeks. The drug is produced by Merck company, Germany. The drug code is 1.00810.0250

Category

Treatment - Drugs

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

Ahvaz Imam khomeini hospital

Full name of responsible person

Bahareh Maleki

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Dermatology clinic, Imam khomeini hospital,
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Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

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Full name of responsible person

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding*empty***Country of origin****Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Ahvaz University of Medical Sciences

Full name of responsible person

Bahareh Maleki

Position

Dermatology resident

Latest degree

Medical doctor

Other areas of specialty/work

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

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Specialist

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

Age/ sex/ wart number/wart size(at beginning and end of treatment)/ response to treatment/ photos

When the data will become available and for how long

At the end of our study for one year

To whom data/document is available

For every body

Under which criteria data/document could be used

Only if they state their references (our study)

From where data/document is obtainable

They should Email me and then I will provide them with the results.

What processes are involved for a request to access data/document

They should Email me and then I will provide them with the results.

Comments