

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

Comparison of efficacy and safety of topical 5% potassium hydroxide solution and topical 0.1% retinoid lotion in the treatment of plane wart

Protocol summary

Summary

Purpose: The comparison of efficacy and safety of topical potassium hydroxide 5% and topical retinoid 0.1% in the treatment of plane wart Design of the study: randomized The population of the study: patients with at least three lesions of plane wart Sample size: 72 patients, 36 patients in each group Interventions: application of topical 5% hydroxide potassium solution in one group and topical 0.1% retinoid lotion in another group Time of intervention: 23-10-2009 until 06-08-2010 Outcome: both drugs have similar efficacy in the treatment of plane wart, adverse drug reaction was higher in KOH group than retinoid group.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201201038516N2**

Registration date: **2012-03-10, 1390/12/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-03-10, 1390/12/20

Registrant information

Name

Mahroo Tajalli

Name of organization / entity

Ahvaz Jundishapur University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 14 1322 0101

Email address

tajalli.m@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz jundishapur University of Medical Science

Expected recruitment start date

2009-10-23, 1388/08/01

Expected recruitment end date

2010-08-06, 1389/05/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of efficacy and safety of topical 5% potassium hydroxide solution and topical 0.1% retinoid lotion in the treatment of plane wart

Public title

Comparison of efficacy and safety of topical 5% potassium hydroxide solution and topical 0.1% retinoid lotion in the treatment of plane wart

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: presence of at least three lesion
Exclusion criteria: 1-Pregnancy 2-Lactation 3-Patients that have received treatment in the recent four weeks 4-Secondary infection 5-Involvement of the genital area

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 72

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

Ahvaz Jundishapurl university of medical science

Street address

Ahvaz Jundishapurl university of medical science-
Golestan Blvd-Ahvaz-Khuzestan-Iran

City

Ahvaz

Postal code

Approval date

2009-10-17, 1388/07/25

Ethics committee reference number

ETH-030

Health conditions studied

1

Description of health condition studied

plane wart

ICD-10 code

B00-B09

ICD-10 code description

Viral infections characterized by skin and mucous
membrane lesions

Primary outcomes

1

Description

Improvement

Timepoint

2 weeks, 4 weeks, 6 weeks after initiation of the
treatment and 2 weeks after the end of the treatment

Method of measurement

Based on the count of lesions

Secondary outcomes

1

Description

Adverse drug reaction

Timepoint

2 weeks, 4 weeks, 6 weeks after the initiation of the
treatment and 2 weeks after the end of the treatment

Method of measurement

Based on occurrence of various adverse reaction

Intervention groups

1

Description

Topical 5% potassium hydroxide solution was applied on
the lesions using cotton swap by patients or their
parents, and then patients were evaluated regarding
efficacy and safety of the drugs 2, 4, 6 weeks after the
initiation of the treatment and 2 weeks after the end of
the treatment.

Category

Treatment - Drugs

2

Description

In the other group topical 0.1 % retinoid lotion was
applied on the wart lesions by the patient or their
parents and the patients were evaluated regarding the
efficacy and safety 2, 4, 6 weeks after the initiation of
the treatment and 2 weeks after the end of treatment.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Department of dermatology-Imam Khomeini hospital-
Ahvaz

Full name of responsible person

Dr Mahroo Tajalli

Street address

Imam Khomeini hospital- Azadegan avenue-Ahvaz-
Khuzestan-Iran

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

The institute of research and technology of Ahvaz
jundishapur University of Medical Science

Full name of responsible person

Dr Mostafa Fegghi

Street address

Ahvaz Jundishapur University of Medical Science-
Golestan Blvd- Ahvaz- Iran

City

Ahvaz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

The institute of research and technology of Ahvaz
jundishapur University of Medical Science

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

Ahvaz Jundishapur University of Medical Science

Full name of responsible person

Dr Mahroo Tajalli

Position

resident of dermatology

Other areas of specialty/work

Street address

Imam Khomeini hospital- Ahvaz

City

Ahvaz

Postal code

Phone

+98 61 1222 2114

Fax

+98 61 1292 1837

Email

mahru.tajalli@yahoo.comtajalli.m@ajums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz Jundishapur University of Medical Science

Full name of responsible person

Dr Reza Yaghoobi

Position

Full professor in the field of dermatology at Ahvaz
University of Medical Science

Other areas of specialty/work

Street address

Imam Khomeini hospital-Ahvaz

City

Ahvaz

Postal code

Phone

+98 61 1222 2114

Fax

Email

yaghoobi_rz@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Ahvaz Jundishapur University of Medical Science

Full name of responsible person

Dr Mahroo Tajalli

Position

Resident of dermatology

Other areas of specialty/work

Street address

Imam Khomeini hospital-Ahvaz

City

Ahvaz

Postal code

Phone

+98 61 1222 2114

Fax

+98 61 1292 1837

Email

mahru.tajalli@yahoo.comtajalli.m@ajums.ac.ir

Web page address

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