

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of topical olive leaf extract 2% and topical acyclovir 5% on facial herpes simplex

Protocol summary

Summary

In this randomized, double blind clinical trial, the effect of topical olive leaf extract 2% on the facial herpes simplex was compared to topical Acyclovir 5% (ParsDaro) in 62 patients in 2 groups. A thin layer of each ointment was administered 5 times a day for 6 days. Clinical signs and symptoms of herpes including pain, itching, color change, and bleeding and also the duration of treatment period were recorded, and ulcer size was measured with a disposable folding ruler before, 3, and 6 days after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138808092652N1**
Registration date: **2010-01-21, 1388/11/01**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-01-21, 1388/11/01

Registrant information

Name

Bahram Delfan

Name of organization / entity

Lorestan University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 66162001500

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delfan.b@lums.ac.ir

Recruitment status

Recruitment complete

Funding source

Lorestan University of Medical Sciences, Deputy of research

Expected recruitment start date

2009-04-21, 1388/02/01

Expected recruitment end date

2009-10-23, 1388/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of topical olive leaf extract 2% and topical acyclovir 5% on facial herpes simplex

Public title

The effect of topical olive leaf extract 2% and topical acyclovir 5% on facial herpes simplex

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Having facial herpes simplex, willingness to participate in the study and sign a written consent
Exclusion criteria: Participation in drug therapy including corticosteroids, antiviral drugs and immunosuppressive drugs, immune deficiency, metabolic, chronic, or serious systemic illnesses, simultaneous participation in another research, hypersensitivity to antiviral drugs

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 62

Randomization (investigator's opinion)

Randomized

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

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Lorestan University of Medical Sciences

Street address

5th km of Boroojerd Road, Khorram Abad, Lorestan

City

Khorram Abad

Postal code**Approval date**

2009-05-02, 1388/02/12

Ethics committee reference number

896

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

herpes simplex facialis

ICD-10 code

B00.1

ICD-10 code description

Herpesviral vesicular dermatitis

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

Pain

Timepoint

before treatment, 3 and 6 days after treatment

Method of measurement

severity of pain was scaled by McGill-Melzak method

2**Description**

Itching

Timepoint

before treatment, 3 and 6 days after treatment

Method of measurement

by McGill-Melzak method

3**Description**

Success of treatment

Timepoint

3 and 6 days after treatment

Method of measurement

percentage of cured patients

4**Description**

Lesion size

Timepoint

before treatment, 3 and 6 days after treatment

Method of measurement

Using a disposable folding ruler

5**Description**

Bleeding

Timepoint

before treatment, 3 and 6 days after treatment

Method of measurement

Presence of bleeding

6**Description**

Color change

Timepoint

before treatment, 3 and 6 days after treatment

Method of measurement

color change comparing to the skin

7**Description**

Side effects

Timepoint

3 and 6 days after treatment

Method of measurement

based on patient's complaint

Secondary outcomes

empty

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

A thin layer of topical ointment of olive leaf extract 2% were applied 5 times per day for 6 days

Category

Treatment - Drugs

2

Description

A thin layer of topical cream of Acyclovir 5% were applied 5 times per day for 6 days

Category

empty

Recruitment centers

1

Recruitment center

Name of recruitment center

Shohada Ashayer Hospital

Full name of responsible person

Street address

City

khorrām Abad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Lorestan University of Medical Sciences

Full name of responsible person

Dr Mohammad Hasan Kaedi

Street address

Deputy of Research, Lorestan University of Medical Sciences , Shafa St.,

City

Khorrām Abad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Lorestan 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

Lorestan University of Medical Sciences

Full name of responsible person

Bahram Delfan

Position

academic member, Ph.D in pharmacology

Other areas of specialty/work

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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