

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

A comparison between the effect of aloe vera gel and topical corticosteroid in the treatment of oral lesions of lichen planus

Protocol summary

Summary

The objective of the present study is to evaluate the therapeutic effect of aloe vera gel and topical steroids (triamcinolone) in topical treatment of oral lichen planus lesions. In this double blind trial, 50 patients, aged 23-70 years referring to Oral Medicine Department of Shiraz Dental School who were diagnosed to have oral lichen planus lesions, were recruited. These patients were randomly assigned into the following groups to receive Aloe vera gel 70% or topical triamcinolone gel 0.1%. The patients were asked to apply 40 grams of drugs topically on oral lesion sites, three times a day for two months. They didn't use any other drug in this two month period. The patients were visited every other weeks and their treatment response and reduction in pain was evaluated by Thongprasom scale and visual Analogue scale respectively.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138904284413N1**

Registration date: **2011-03-29, 1390/01/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-03-29, 1390/01/09

Registrant information

Name

Lida Tazesh

Name of organization / entity

Shiraz Dental School

Country

Iran (Islamic Republic of)

Phone

+98 71 1628 0458

Email address

tazesh@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research, Shiraz University of Medical Sciences

Expected recruitment start date

2010-02-04, 1388/11/15

Expected recruitment end date

2010-07-06, 1389/04/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparison between the effect of aloe vera gel and topical corticosteroid in the treatment of oral lesions of lichen planus

Public title

A comparison between the effect of aloe vera gel and topical corticosteroid in the treatment of oral lesions of lichen planus

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: clinical and histopathological diagnosis of OLP, age at least 18 years Exclusion criteria: pregnancy, lesions in contact with dental amalgam, the use of drugs possibly causing a lichenoid reaction, any treatment for OLP or immunosuppressive drugs for pre-existing disease within the 4 weeks prior to the study, history of hypersensitivity to AV

Age

From **18 years** old to **70 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)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Aloe vera gel was prepared by adding sodium meta B sulfite as oxidation inhibitor, sorbitol (sweetener) and sodium methyl carboxycellulose for gelatinization process to aloe vera extract of 70%. Triamcinolone in orabase contained the same ingredients as that of aloe vera with the exception of aloe vera extract which replaced by 70% water to obtain 0.1% triamcinolone. These two drugs were prepared in Laboratory of Shiraz School of Pharmacology.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shiraz University of Medical Sciences

Street address

Zand St., Shiraz

City

Shiraz

Postal code

Approval date

2010-11-11, 1389/08/20

Ethics committee reference number

CT-89-5305

Health conditions studied

1

Description of health condition studied

Lichen planus

ICD-10 code

L43

ICD-10 code description

Lichen planus

Primary outcomes

1

Description

Treatment oral lesions of lichen planus

Timepoint

Before treatment, two weeks, four weeks, six weeks, eight weeks after treatment

Method of measurement

Clinical - Symptomatology

Secondary outcomes

empty

Intervention groups

1

Description

Aloe vera, Topical gel %70 ,Three times a day for two months

Category

Treatment - Drugs

2

Description

Triamcinolone, Topical gel 0/1%, Three times a day for two months

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Oral Medicine and Diagnosis of Shiraz Dental School

Full name of responsible person

Lida Tazesh, Resident of Oral Medicine

Street address

Oral Medicine and Diagnosis Department, Dental school, Ghasrodasht Street, 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

Dr Mohammad Hossein Dabbagh Manesh, Associate Professor, Endocrinologist

Street address

Central department of Chancellery for Research,

Seventh flat, Shiraz University of Medical Sciences,
Zand Street

City

Shiraz

Grant name

ردیف بودجه طرح های تحقیقاتی

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 & Health Services

Full name of responsible person

Lida Tazesh

Position

Dentist, Oral Medicine Resident

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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