Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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 hypersensivity 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 mounths

Category
Treatment - Drugs

2

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

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

Other areas of specialty/work

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Person responsible for updating data

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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