

# 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

**Other areas of specialty/work**

**Street address**

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## Person responsible for scientific inquiries

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**Full name of responsible person**

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**Position**

Dentist, Oral medicine resident

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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