Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The comparative study of the effects of Aloe vera mouth wash and Triamcinolon acetonide 0.1% on the oral lichen planus

Protocol summary

Summary

The objective of this study is to compare the treatment effect of Aloe vera mouth wash and Triamcinolon acetonide 0.1% on the oral Lichen Planus that is done on 40 patients. The following patients will be excluded from the study: Pregnant women, those with any systemic diseases, Lichenoid reaction caused by certain drugs, Lichenoid reaction caused by amalgam filling, those who have any treatment within 4 weeks prior to the study, those who have any dysplasia in histopathological report, those who take agents which potentially induce lichenoid rection. Patient in intervention group and control group will receive aloe vera and triamcinolon acetonid mouth wash respectively, for 6 weeks and will be followed up for 2 months. The primary outcomes are size of lesion and Visual Analogue Scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138803232031N1**
Registration date: **2009-12-09, 1388/09/18**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2009-12-09, 1388/09/18

Registrant information

Name

Mahsa Esfahani

Name of organization / entity

Tehran University of Medical Sciences

Country

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+98 21 6649 1051

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2009-03-21, 1388/01/01

Expected recruitment end date

2010-01-20, 1388/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparative study of the effects of Aloe vera mouth wash and Triamcinolon acetonide 0.1% on the oral lichen planus

Public title

The comparative study of the effects of Aloe vera mouth wash and Triamcinolon acetonide 0.1% on the oral lichen planus

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Presence of oral lichen planus (reticular, erosive, bollous), clinically and histopathologically proved. Exclusion criteria: Pregnancy, presence of any systemic disease, Lichenoid reaction caused by certain drugs, Lichenoid reaction caused by amalgam filling, having had any treatment within 4 weeks prior to the study, having had any dysplasia in histopathological report, receiving agents which potentially induce lichenoid rection

Age

No age limit

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **40**

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

Ethic Committee of Tehran University of Medical Sciences

Street address

Keshavarz Blvd, Ghods Avenue

City

Tehran

Postal code

Approval date

empty

Ethics committee reference number

8583

Health conditions studied

1

Description of health condition studied

Oral Lichen Planus

ICD-10 code

L43

ICD-10 code description

Diseases of the skin and subcutaneous tissue, Papulosquamous disorders

Primary outcomes

1

Description

Recovery of oral lichen planus lesions

Timepoint

After 1 week, 2 weeks, 1 month, 2 months

Method of measurement

measuring the lesion with graph paper

Secondary outcomes

1

Description

Pain and burning sensation

Timepoint

Baseline, after 1 week, 1 month, 2 months

Method of measurement

VAS

Intervention groups

1

Description

Aloe vera mouth wash, 6 weeks, 4 times daily, 2 spoon as mouth wash

Category

Treatment - Drugs

2

Description

Triamcinolone acetonide mouth wash, 6 weeks, 4 times daily, 4 cc of diluted solution(1/ 20)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Oral Medicine Department, College of Dentistry, Tehran University of Medical Sciences

Full name of responsible person

Dr. Mansourian, Dr. Esfahani

Street address

Oral Medicine Department, College Of Dentistry, Tehran University Of Medical Sciences

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Committee Of Dental College, Tehran University Of Medical Sciences

Full name of responsible person

Dr. Khorshidi

Street address

Research Committee Of Dental College, Tehran University Of Medical Sciences

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research Committee Of Dental College, Tehran 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

College Of Dentistry

Full name of responsible person

Dr. Arash Mansourian

Position

Assistant Professor, Department Of Oral Medicine

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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