

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 May 2026

Comparison of effectiveness of the bioadhesive pastes curcumin and topical corticosteroid for the treatment of oral lichen planus

Protocol summary

Summary

Oral lichen planus (OLP) is a chronic mucosal disease with an unknown etiology; however, immunodeficiency might have a role in the pathogenesis. Up to now use of topical steroids has been the most common treatment, but these drugs have some side effects so use of herbal extract is considered as a treatment with less side effects. In this study we will evaluate and compare the effectiveness of the bioadhesive paste containing curcumin and topical corticosteroids for the treatment of oral lichen planus. The inclusion criterion is age over 18. Exclusion criteria consist of patients with systemic diseases, pregnancy, smoking, lesions with dysplasia, patients who received treatment for OLP at least 1 month previous to beginning the study, and lesions adjacent to an amalgam restoration. Study population consisting of 20 people will be divided into two groups: A) group with curcumin bioadhesive paste, B) group with bioadhesive paste containing triamcinolone. The effect of treatment on pain and clinical symptoms will be evaluated at follow-up visits..

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014122020377N1**

Registration date: **2015-01-22, 1393/11/02**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-01-22, 1393/11/02

Registrant information

Name

Tahereh Nosratzahi

Name of organization / entity

Dental School of Zahedan University

Country

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Recruitment status

Recruitment complete

Funding source

Zahedan University Of Medical Sciences

Expected recruitment start date

2014-12-16, 1393/09/25

Expected recruitment end date

2015-07-23, 1394/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of effectiveness of the bioadhesive pastes curcumin and topical corticosteroid for the treatment of oral lichen planus

Public title

Comparison of effectiveness of the bioadhesive pastes curcumin and topical corticosteroid for the treatment of oral lichen planus

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: older than 18 years of age Exclusion criteria: patient with systemic disease; pregnancy; smoking; lesion with dysplasia; those who received treatment for OLP at least 1 month previous to beginning the study; lesion adjacent to amalgam filling.

Age

From **18 years** old to **69 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **20**

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

Zahedan University of Medical Sciences

Street address

Oral medicine department, faculty of dentistry,
Azadegan street,Zahedan

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Zahedan

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9811111111

Approval date

2014-12-15, 1393/09/24

Ethics committee reference number

6947

Health conditions studied

1

Description of health condition studied

Oral lichen planus

ICD-10 code

I43

ICD-10 code description

lichen planus

Primary outcomes

1

Description

Size of lesion

Timepoint

The first week, Second week, First month, Third month

Method of measurement

With ruler and calpier

Secondary outcomes

1

Description

level of pain

Timepoint

The first week , Second week , First month , Third month

Method of measurement

Use of Visual Analoge Scale (VAS) from 0- 10, 0: no pain and burning sensation and 10: sever pain and burning sensation

Intervention groups

1

Description

Intervention group: Bioadhesive paste Containing curcumin 4 times per days 1h before meal and 20 minutes before sleep for 12 weeks

Category

Treatment - Drugs

2

Description

control group receive oral past with triamsinolon 4 times per days 1h before meal and 20 minute before sleep for 12 weeks

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Zahedan University Of Medical Sciences

Full name of responsible person

Dr. Tahereh Nosratzahi

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Oral medicine department, faculty of dentistry,
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zahedan University of Medical Sciences

Full name of responsible person

Dr. Tahereh Nosratzahi

Street addressOral medicine department, faculty of dentistry,
Azadegan street,Zahedan**City**

Zahedan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Zahedan 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**

Zahedan University of Medical Sciences

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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*