

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation of the efficacy of curcumin in the treatment of oral lichen planus: a double blind clinical trial

Protocol summary

Summary

The purpose of this study is to evaluate the therapeutic effect of curcumin on erosive and atrophic OLP. Here, a randomized, double blind (patients and practitioners), phase II and uncentered clinical trial is conducted with a total of 25 OLP patients. Patients are recruited from the Department of Oral Medicine, Mashhad Dental School, with clinical signs of erosive and atrophic OLP which has been confirmed by clinical or histopathological examinations. Patients are randomly divided into two groups (case and control groups) Randomization is done using a computer-generated random number table. The patients of both groups receive Dexamethasone and Nystatin Mouthwash three times a day as a routine treatment. The case group receives 4 curcumin tablets (500 mg) per day for a period of 4 weeks, whereas the control group receives placebo tablets. Patients are evaluated on days 14 and 28. Pain and burning sensation are measured based on the Visual analogue scale, and the Thongprasom index is used for clinical improvement and healing. The effect of curcumin on erosive and atrophic OLP are compared in these two groups of patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015121425498N1**

Registration date: **2016-01-15, 1394/10/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-01-15, 1394/10/25

Registrant information

Name

Ala Ghazi

Name of organization / entity

Mashhad University of Medical Sciences, School of Dentistry

Country

Iran (Islamic Republic of)

Phone

+98 51 3882 9501

Email address

ghazia921@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2013-03-20, 1391/12/30

Expected recruitment end date

2014-03-20, 1392/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the efficacy of curcumin in the treatment of oral lichen planus: a double blind clinical trial

Public title

Curcumin efficacy on oral lichen planus

Purpose

Treatment

Inclusion/Exclusion criteria

Patients with clinical signs of erosive and atrophic OLP confirmed by clinical or histopathological examination were included in our study. The exclusion criteria: pregnancy; lactation; current use of anticoagulants or antiplatelet agents; current orthodontic treatment;

history of gastric ulcers; duodenal ulcers; gallstones; hepatic diseases; any existing malignancy or viral infection in mouth; receiving any topical treatment for OLP in the past 2 weeks or any systemic treatment for OLP in the past 4 weeks; use of azathioprine, cyclosporine or receiving PUVA, UVA or UVB in the last month; a history of allergy to corticosteroids or curcumin.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 25

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee Mashhad University of Medical Sciences

Street address

Mashhad University of Medical Sciences, Faculty of Dentistry

City

Mashhad

Postal code**Approval date**

2012-10-21, 1391/07/30

Ethics committee reference number

901063

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**

Lichen planus improvement

Timepoint

On days 14 and 28

Method of measurement

Thongprasom index

Secondary outcomes**1****Description**

Pain and burning sensation

Timepoint

On days 14 and 28

Method of measurement

Visual analogue scale

Intervention groups**1****Description**

Intervention group: curcumin tablets at a dose of 2000 mg/day for a period of 4 weeks

Category

Treatment - Drugs

2**Description**

Control group: placebo for a period of 4 weeks

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Mashhad Dental School

Full name of responsible person

Ala Ghazi

Street address

Department of Oral Medicine, School of Dentistry, Mashhad University of Medical Sciences, Vakilabad Blv

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Mashhad University of Medical Sciences

Full name of responsible person

Dr Azam S. Madani

Street address

Department of Oral Medicine, School of Dentistry, Mashhad University of Medical Sciences, Vakilabad Blv

City

Mashhad

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

Yes

Title of funding source

Vice chancellor for research, Mashhad 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**

Mashhad Dental School

Full name of responsible person

Dr Maryam Amirchakhmaghi

Position

Associate Professor of Oral Medicine

Other areas of specialty/work**Street address**

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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