Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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 unicentered 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 Scienses

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; currant 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 Scienses
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

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Name of organization / entity
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Professor of Oral Medicine

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Person responsible for updating data

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Assistant Professor 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