Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

Effect of Curcumin gel compared with triamcinolone ointment in the treatment of oral lichen planus

Protocol summary

Summary

This study aim to determine the effect of Curcumin gel compared with triamcinolone ointment in the treatment of oral lichen planus patients referred to Oral and Dental School, Guilan University of Medical Sciences, Rasht, Iran. Fifty patients with oral lichen planus without any systemic disease will be enrolled in this study. Biopsy of all patients Lesions will be performed. Patients will be divided randomly into two intervention and control groups. Intervention group will use curcumin gel and control group will use adcortyl ointment on oral lichen planus lesions three times daily after meals for a month. Pain, burning sensation and size of the patient lesions assess before taking topical drugs, at the end of the second week and at the end of the fourth week after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105012950N2**
Registration date: **2011-06-17, 1390/03/27**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2011-06-17, 1390/03/27

Registrant information

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Guilan University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Research Vice Chacellorship, Guilan University of Medical Sciences

Expected recruitment start date

2011-04-04, 1390/01/15

Expected recruitment end date

2012-04-03, 1391/01/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Curcumin gel compared with triamcinolone ointment in the treatment of oral lichen planus

Public title

Effect of Curcumin gel compared with triamcinolone ointment in the treatment of oral lichen planus

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: pateints with oral lichen planus.
Exclusion criteria: pateints with gall stones; pregnant women; pateints with oral cancer; the local treatment two weeks before therapy or systemic treatment within 4 weeks ago.

Age

From **20 years** old to **80 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Vice Chacellorship of Guilan University of Medical Sciences

Street address

Siadati Ave, Namjoo Ave

City

Rasht

Postal code

Approval date

2011-01-29, 1389/11/09

Ethics committee reference number

12414

Health conditions studied

1

Description of health condition studied

Oral Lichen Planus

ICD-10 code

L43

ICD-10 code description

Lichen planus

Primary outcomes

1

Description

Burning sensation

Timepoint

Befor appliction of gel and ointment, 2 weeks and 4 weeks after application of gel and ointment

Method of measurement

Visual Analoge Scale

2

Description

Pain and burning sensation

Timepoint

Before application of gel and ointment, 2 weeks and 4 weeks after application of gel and ointment

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

Secondary outcomes

1

Description

Treatment of oral lichen planus lesions (reduce size of lesion)

Timepoint

Before treatment, 2 and 4 weeks after treatment

Method of measurement

Tongprasom scale(0-5)

Intervention groups

1

Description

Intervention: Curcumin Gel-topical use in oral mucosa, 3 time/day, after meal for 1 month

Category

Treatment - Drugs

2

Description

Control: Triamcinolone in oral base Ointment (Adcortyl), topical use in oral mucosa, 3 time/day, after meal, for 1 month

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental school, Guilan University Of Medical Sciences

Full name of responsible person

Dr. Sayed Javad Kia

Street address

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Vice Chancellorship of Guilan University Of Medical Sciences

Full name of responsible person
Dr. Abdolrasool Sobhani

Street address
Shahid Siyadati Ave, Namjoo Ave, Rasht

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Rasht

Grant name

Grant code / Reference number

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

Title of funding source
Research Vice Chancellorship of Guilan 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
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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