

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Efficacy of curcumin gel 5%vs triamcinolon acetone0/1% ointment on treatment of recurrent aphthous stomatitis.

Protocol summary

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Summary

The aim of this study was to compare the efficacy of curcumin gel 5% with triamcinolon acetone 0/1% in treatment of recurrent aphthous stomatitis. 58 patients with minor aphthous stomatitis (less than 48 hours duration) participated in this double blind, clinical trial study. Patients excluded from the study if they had major aphthous stomatitis, multiple aphthous ulcers and pregnant and breast feeding women. They divided in two groups. Curcumin gel 5% and triamcinolon acetone 0/1% were used 3 times a day for two weeks in group A and B respectively. Lesion's size and pain severity (based on Visual analogue scale) were recorded before (on day 0) and during treatment (on days 1, 4, 7, 10).

Recruitment status

Recruitment complete

Funding source

Vice Chancellorship of Research of Guilan University of Medical Sciences

Expected recruitment start date

2014-03-20, 1392/12/29

Expected recruitment end date

2015-03-20, 1393/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201412242950N3**

Registration date: **2015-04-17, 1394/01/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-04-17, 1394/01/28

Registrant information

Name

Sayed Javad Kia

Name of organization / entity

Guilan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13 1323 0775

Email address

Scientific title

Efficacy of curcumin gel 5%vs triamcinolon acetone0/1% ointment on treatment of recurrent aphthous stomatitis.

Public title

Efficacy of curcumin gel 5%vs triamcinolon acetone0/1% ointment on treatment of recurrent aphthous stomatitis.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with minor aphthous ulcer less than 48 hours. Exclusion criteria: major aphthous ulcer, multiple aphthous ulcer, pregnant and breast feeding women.

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 58

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

Ethics Committee Research Vice Chacellorship of
Guilan University of Medical Sciences

Street address

Research Vice Chacellorship of Guilan University of
Medical Sciences building, Opposite sepah bank,
Shahid beheshti Blv

City

Rasht

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

12414

Health conditions studied

1

Description of health condition studied

Reccurent aphthous stomatitis

ICD-10 code

k00-k14

ICD-10 code description

Recurrent oral aphthae

Primary outcomes

1

Description

pain sensation

Timepoint

before starting study, days 1,4 ,7 ,10

Method of measurement

Use of visual analoge scale (VAS) from 0- 10, 0: no pain

Secondary outcomes

1

Description

Healing recurrent aphthous ulcers

Timepoint

days 1,4,7,10

Method of measurement

Measuring of ulcers by ruler

Intervention groups

1

Description

Control: Triamcinolone in oral base Ointment (Triadent),
topical use in oral mucosa ulcer, 3 time/day, after meal,
for 10 days

Category

Treatment - Drugs

2

Description

Intervention: Curcumin Gel-topical use in oral mucosa
ulcer, 3 time/day, after meal for 10 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental school of Guilan University of Medical Siences

Full name of responsible person

Dr Seyed Javad Kia

Street address

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Vice Chacellorship of Guilan University of
Medical Sciences

Full name of responsible person

Dr Abtin Heydarzadeh

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research Vice Chacellorship 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

Dental School

Full name of responsible person

Dr Seyed Javad Kia

Position

Assistant proffesor

Other areas of specialty/work

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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