Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Efficacy of curcumin gel 5%vs triamcinolon acetonide0/1% ointment on treatment of recurrent aphthous stomatitis.

Protocol summary

Summary

The aim of this study was to compare the efficacy of curcumin gel 5% with triamcinolon acetonide 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.Pateints 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 acetonide 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).

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

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Sayed Javad Kia

Name of organization / entity

Guilan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice Chacellorship 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

Scientific title

Efficacy of curcumin gel 5%vs triamcinolon acetonide0/1% ointment on treatment of recurrent aphthous stomatitis.

Public title

Efficacy of curcumin gel 5%vs triamcinolon acetonide0/1% 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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City
Rasht
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
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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