

# 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

##### Street address

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Medical Sciences Building, Opposite Sepah Bank,  
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##### City

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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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Foman Saravan Road

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## Person responsible for scientific inquiries

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## Person responsible for updating data

**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*