

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jun 2026

Evaluation of Oxidative Stress Status of Saliva in Oral Lichen Planus Patients before and after Treatment with Triamcinolone Acetonide (0.2%) Mouthrinse

Protocol summary

Summary

This study is before and after clinical trial with the aim of evaluation of oxidative stress status of saliva in oral lichen planus before and after treatment with triamcinolone acetonide (0.2%) Mouthrinse. Lichen planus patients according to modified WHO diagnostic criteria 2003 without any previously treatment enrolled in study. Unstimulated salivary samples were collected from 22 patients. All patients were prescribed with suspension of triamcinolone acetonide 0.2%, four times a day, for 5 weeks. Patients were instructed to rinse with 5 ml of mouthrinse for 3 minutes and then to expectorate. All patients were placed on follow-up period during 2, 4 and 5 weeks after starting of the treatment. Saliva collection procedure was repeated at the end of 5-week therapy.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014092919133N1**

Registration date: **2014-12-17, 1393/09/26**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-12-17, 1393/09/26

Registrant information

Name

Mahdieh-Sadat Moosavi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 4279 4151

Email address

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Recruitment status

Recruitment complete

Funding source

Personally

Expected recruitment start date

2010-09-23, 1389/07/01

Expected recruitment end date

2011-04-19, 1390/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Oxidative Stress Status of Saliva in Oral Lichen Planus Patients before and after Treatment with Triamcinolone Acetonide (0.2%) Mouthrinse

Public title

Stress marker in Saliva of Oral Lichen Planus Patients before and after Treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: patients with lichen planus according to modified WHO diagnostic criteria 2003; Not using systemic or topical therapeutics since last 3 months or 1 month respectively Exclusion Criteria: patients with systemic disease and systemic drug therapy, any supplementary vitamins in the previous 3 months; history of smoking; Patients with lichenoid lesions associated with drugs or restorations

Age

No age limit
Gender
Both
Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **22**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tehran University of Medical Sciences
Street address
fourth floor, number 23, 16 Azar av., Keshavarz
City
Tehran
Postal code
Approval date
2010-09-23, 1389/07/01
Ethics committee reference number
123123

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

oxidative stress status of saliva
Timepoint
before and 5 weeks after intervention

Method of measurement

method based on reaction with thiobarbituric acid (TBA).The results were expressed as $\mu\text{mol}/1$

Secondary outcomes

1

Description

pain

Timepoint

before and 5 weeks after intervention

Method of measurement

VAS

Intervention groups

1

Description

suspension of triamcinolone acetonide 0.2%,(1ml drug and 19ml saline) four times a day, for 5 weeks. Patients were instructed to rinse with 5 ml of mouthrinse for 3 minutes

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Department of Oral Medicine, School of Dentistry, Tehran University of Medical Sciences
Full name of responsible person
Dr Mahdieh-Sadat Moosavi
Street address
Amirabad
City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
personally
Full name of responsible person
Mahdieh-Sadat Moosavi
Street address
Dentistry Faculty, Tehran University of Medical Sciences
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source

personally

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**

Tehran University of Medical Sciences, School of Dentistry

Full name of responsible person

Mahdieh-Sadat Moosavi

Position

Assistant Professor

Other areas of specialty/work**Street address**

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Associate Professor

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Web page address**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