

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jul 2026

Evaluation of the effect of low level laser in improvement of symptoms and quality of life of burning mouth syndrome

Protocol summary

farbabi@razi.tums.ac.ir

Summary

The present study was designed to evaluation of the effectiveness of low level laser to improve symptoms of burning mouth syndrome. Sixty patients from Zahedan Dental School is selected. inclusion criteria: is patient's with burning mouth syndrome and exclusive criteria is patient's with known systemic disease, patient's under 18 years, pregnancy, patient's with oral denture. In each patient, 10 points in the mouth with a laser wavelength of 630 nm and a power of 30 mW for 10 seconds twice a week for 4 weeks will be illuminated. After finishing treatment, patients will be evaluated in severity of burning.

Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences

Expected recruitment start date

2014-01-21, 1392/11/01

Expected recruitment end date

2014-05-22, 1393/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

The effect of laser on burning mouth and quality of life

IRCT registration information

IRCT registration number: **IRCT201312173133N7**

Registration date: **2014-01-31, 1392/11/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-01-31, 1392/11/11

Registrant information

Name

Fateme Arbabi Kalati

Name of organization / entity

Dental school of Zahedan

Country

Iran (Islamic Republic of)

Phone

+98 54 1244 1814

Email address

Scientific title

Evaluation of the effect of low level laser in improvement of symptoms and quality of life of burning mouth syndrome

Public title

Evaluation of the effect of low level laser in improvement of symptoms and quality of life of burning mouth syndrome

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: patient's with burning mouth syndrome. exclusive criteria: patient's with known systemic disease, patient's under 18 years, pregnancy, patient's with oral denture.

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 40

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Zahedan University of Medical Sciences

Street address

Zahedan University of Medical Sciences, Hesabi
Squer, Zahedan,Iran

City

Zahedan

Postal code

9816743463

Approval date

2013-11-03, 1392/08/12

Ethics committee reference number

6079

Health conditions studied

1

Description of health condition studied

burning muth syndrome

ICD-10 code

F59

ICD-10 code description

Unspecified behavioural syndromes associated with
physiological disturbances and physical factors

Primary outcomes

1

Description

decrease of burning muth

Timepoint

4 weeks

Method of measurement

VSA scale

Secondary outcomes

1

Description

well being of xerostomia

Timepoint

one month

Method of measurement

lent soma

Intervention groups

1

Description

expose of low level laser 630 nanometer in 10 points of
oral mucosa for ten seconds

Category

Placebo

2

Description

expoture to off laser in same time and points

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Zahedan Faculty of Dentistry

Full name of responsible person

Street address

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zahedan University of Medical Sciences

Full name of responsible person

Dr Hamidreza Sagheb

Street address

Oral medicine departeman, Faculty of dentistry,
Azadegan aven, Zahedan, Iran

City

Zahedan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Zahedan 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**

Zahedan University of Medical Sciences

Full name of responsible person

Dr. Hamidreza Mahmudzadeh Sagheb

Position

investigation assistant

Other areas of specialty/work**Street address**Zahedan University of Medical Sciences, Hesabi
Squer, Zahedan,Iran**City**

Zahedan

Postal code**Phone**

+98 54 1342 5744

Fax**Email**

histology_iri@yahoo.com

Web page address

Zahedan

Postal code

9817699693

Phone

+98 54 1244 1824

Fax**Email**

F kalati@yahoo.com

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Zahedan University of Medical Sciences

Full name of responsible person

Fateme Arbabi-Kalti

Position

associated professor

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

Faculty of dentistry

City

Zahedan

Postal code**Phone**

+98 915 543 3348

Fax

+98 54 1241 4003

Email

farbabi@razi.tuma.ac.ir

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Zahedan University of Medical Sciences

Full name of responsible person

Dr. Fateme Arbabi Kalati

Position

lecturer

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

Zahedan, eastern Azadagan street, dentistry college

City**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*