

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

Phytochemical evaluation *Scrophularia striata* essential oils and clinical and anti-bacterial effect of hydroalcoholic extract of *S. striata* in chronic periodontitis disease

Protocol summary

Summary

Effect of hydroalcoholic extract of *S. striata* mouth wash will be evaluated on chronic periodontitis in this study. Chronic periodontitis patients will enroll in this double blind study, they will randomly divide into two groups. Each group will consist of 25 patients. Hydroalcoholic extract of *S. striata* and Irsha mouth wash will be used for each group. Plaque index, bleeding on probing and pocket depth will measure on base line, two weeks and one month after mouth wash usage.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015081323468N1**
Registration date: **2015-09-08, 1394/06/17**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-09-08, 1394/06/17

Registrant information

Name

Nazli Rabienejad

Name of organization / entity

Hamadan university of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 1059

Email address

n.rabinezhad@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Hamadan University of Medical Sciences

Expected recruitment start date

2015-09-01, 1394/06/10

Expected recruitment end date

2016-12-29, 1395/10/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Phytochemical evaluation *Scrophularia striata* essential oils and clinical and anti-bacterial effect of hydroalcoholic extract of *S. striata* in chronic periodontitis disease

Public title

Evaluation of *Scrophularia striata* essential oils effect in chronic periodontitis disease

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: chronic periodontitis exclusion criteria: systemic disease; pregnancy; smoking

Age

From **25 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **50**

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 of Hamadan University of Medical Sciences

Street address

Mardom street, Hamadan

City

Hamadan

Postal code

Approval date

2015-07-25, 1394/05/03

Ethics committee reference number

IR.UMSHA.REC.1394.243

Health conditions studied

1

Description of health condition studied

chronic periodontitis

ICD-10 code

K05.3

ICD-10 code description

Periodontitis: NOS complex simplex

Primary outcomes

1

Description

plaque index

Timepoint

base line, two weeks, one month

Method of measurement

visual

2

Description

bleeding on probing

Timepoint

base line, two weeks, one month

Method of measurement

periodontal probe

3

Description

probing depth

Timepoint

base line, two weeks, one month

Method of measurement

periodontal probe

Secondary outcomes

1

Description

plaque index

Timepoint

two weeks, one month

Method of measurement

visual

2

Description

bleeding on probing

Timepoint

two weeks, one month

Method of measurement

periodontal probe

3

Description

probing depth

Timepoint

two weeks, one month

Method of measurement

periodontal probe

Intervention groups

1

Description

Scrophularia striata mouth wash twice a day for one month

Category

Treatment - Drugs

2

Description

Irsha mouth wash twice a day for one month

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Hamadan Dental Faculty

Full name of responsible person

Nazli Rabienezhad

Street address

Select

City

Hamadan

Position

Periodontics

Other areas of specialty/work**Street address**Periodontology department of Hamadan Dentistry
Faculty**City**

Hamadan

Postal code**Phone**

+98 81 3838 1059

Fax**Email**

nazlirabi@yahoo.com; n.rabinezhad@umsha.ac.ir

Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**Vice Chancellor for research of Hamadan University of
Medical Sciences**Full name of responsible person**

Dr. Alikhani

Street address

Hamadan University of Medical Sciences

City

Hamadan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding sourceVice Chancellor for research of Hamadan 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****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Dentistry Faculty

Full name of responsible person

Nazli Rabienezhad

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

Dentistry Faculty

Full name of responsible person

Nazli Rabienezhad

Position

Assistant

Other areas of specialty/work**Street address**Periodontology department of Hamadan Dentistry
Faculty**City**

Hamadan

Postal code**Phone**

+98 81 3838 1059

Fax**Email**

nazlirabi@yahoo.com; n.rabinezhad@umsha.ac.ir

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*