

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jul 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 Rabienejad
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 source
Vice 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 Rabienejad

Person responsible for updating data

Contact

Name of organization / entity
Dentistry Faculty
Full name of responsible person
Nazli Rabienejad
Position
Assistant
Other areas of specialty/work
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Periodontology department of Hamadan Dentistry
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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