Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Evaluation of clinical effect of Asafoetida mouthwash in controlling dental plaque compared with chlorhexidine mouthwash

Protocol summary

Summary

This study aimed to compare the efficacy of Clinical chlorhexidine and Asafoetida in controlling dental plaque so that 126 patients admitted to the School of Dental of Yazd Univercity of Medical Sciences, random study with Considering Inclusion criteria: age 18 - 35 years. exclusion criteria: systemic disease, antibiotic treatment for at least a month before and during the study, there are sever dental malocclusion and crowding, pregnant women. Index (plaque index and the index of gingivitis) is recorded after scaling the above statistical followed by Brosage. patients divided into two groups of 63 members and then a mouthwash is administrated with a double-blind selected for a week. Patients will be asked for a week use no other way for hygiene and only use mouthwash twice a day. Over the weekend record indexes and will compare indexes of two groups .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017012532171N1**
Registration date: **2017-04-20, 1396/01/31**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2017-04-20, 1396/01/31

Registrant information

Name

Monire Seyed Hashemi

Name of organization / entity

Yazd University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 35 3223 8915

Email address

m.seiedhashemi@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd Univercity of Medical Sciences

Expected recruitment start date

2017-04-21, 1396/02/01

Expected recruitment end date

2017-10-23, 1396/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of clinical effect of Asafoetida mouthwash in controlling dental plaque compared with chlorhexidine mouthwash

Public title

Effect of Asafoetida in reduce dental plaque

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Age 18-35 years Exclusion criteria: systemic disease؛ use of antibiotic at least one month before and during the study period ؛ severe dental malocclusion and crowding؛presence of subgingival pocket more than 3 mm and crime ؛presence ofharmful Oral habits ؛ treated periodontal (including scaling and operation) in the last six months ؛pregnant women

Age

From **18 years** old to **35 years** old

Gender

Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **126**
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
Yazd Sshahid Sadoughi Univercity
Street address
Factualy of Traditional Medicine ، Ardekan ، Yazd
City
Ardekan
Postal code
Approval date
2016-12-05, 1395/09/15
Ethics committee reference number
IR.SSU.REC.1395.182

Health conditions studied

1

Description of health condition studied
Dental Plaque
ICD-10 code
K02.8
ICD-10 code description
Other dental caries

Primary outcomes

1

Description
plaque index
Timepoint
Before and 4 days after intervention
Method of measurement
Stained plaque

2

Description
gingiva inflamation
Timepoint
Before and 4 days after intervention
Method of measurement
Find inflammation

Secondary outcomes

1

Description
Tooth color
Timepoint
Before and 1 week after intervention
Method of measurement
Observation

Intervention groups

1

Description
5 ml of Asafoetida mouthwash twice a day for two minutes each use
Category
Treatment - Drugs

2

Description
5 ml of Chlorhexidine mouthwash twice a day for two minutes each use
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Shahid Sadoughi Dental Univercity
Full name of responsible person
Monire Seyed Hashemi
Street address
Dental Univercity . Yazd
City
Yazd

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Yazd Univercity of Medical Science
Full name of responsible person
Zohre Mosavi
Street address

Traditional Medicine Factualy ،Ardekan ،Yazd

City

Ardekan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Yazd Univercity of Medical Science

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

Faculty of Traditional Medicine

Full name of responsible person

Monire Seyed Hashemi

Position

Student

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Yazd Shahid Sadoughi Univercity of Medical Science

Full name of responsible person

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Street address

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City

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Fax

Email

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