

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 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 University 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 University 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 of harmful 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 inflammation

#### 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 Faculty ,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 University 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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Yazd Shahid Sadoughi University of Medical Science

**Full name of responsible person**

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**Person responsible for updating data**

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Yazd University of Medical Sciences

**Full name of responsible person**

Monire Seyed Hashemi

**Position**

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**Other areas of specialty/work**

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Ardekan

**Postal code**

**Phone**

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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*