

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

04 Jun 2026

### Comparison of efficacy of rose damascence, vinegar mouthwash with chlorhexidine mouthwash on plaque-induced gingivitis in high school student in sari in 2017

#### Protocol summary

##### Summary

The aim of this study is to assess the comparison of efficacy of rose damascence and vinegar mouthwash and chlorhexidine mouthwash on plaque-induced gingivitis in students. This study is randomized, double blinded and with placebo control. The inclusion criteria are students with plaque-induced generalized gingivitis and the exclusion criteria are having systemic diseases and history of taking antibiotics in the last three months. this study is implemented on Jaber ebn hayyan high school in Sari and The total volume of samples is 112 individuals and the intervention is aimed to compare rose damascence and vinegar mouthwash efficacy with chlorhexidine and placebo mouthwashes in 3 weeks of intervention. the primary outcomes of this intervention consists of reduction in plaque, gingival and bleeding indices,

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2017050233770N1**

Registration date: **2017-06-26, 1396/04/05**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2017-06-26, 1396/04/05

##### Registrant information

###### Name

Hodis Ehsani

###### Name of organization / entity

Mazandaran University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 11 3325 4135

###### Email address

hehsani@mazums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Mazandaran University of Medical Sciences

##### Expected recruitment start date

2017-09-26, 1396/07/04

##### Expected recruitment end date

2017-10-02, 1396/07/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of efficacy of rose damascence, vinegar mouthwash with chlorhexidine mouthwash on plaque-induced gingivitis in high school student in sari in 2017

##### Public title

Comparsion of efficacy of rose damascence, vinegare mouthwash and chlorhexidine mouth wash on gingivitis

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

inclusion criteria: students with plaque induced generalized chronic gingivitis. exclusion criteria: history of antibiotic therapy in last 3 monthes before the intervention; allergic to the rose damascence and vinegar; using any drugs that affects periodontium

##### Age

From **15 years** old to **17 years** old

**Gender**

Male

**Phase**

N/A

**Groups that have been masked***No information***Sample size**Target sample size: **112****Randomization (investigator's opinion)**

Not 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**

Mazandaran University of Medical Sciences

**Street address**

Joibar Intersect, Sari

**City**

Sari

**Postal code**

4817844718

**Approval date**

2017-06-12, 1396/03/22

**Ethics committee reference number**

IR.MAZUMS.REC.96.2880

**Health conditions studied****1****Description of health condition studied**

gingivitis

**ICD-10 code**

K05.1

**ICD-10 code description**

Chronic gingivitis

**Primary outcomes****1****Description**

gingival index

**Timepoint**

zero,one week,three week

**Method of measurement**

metod silness and loe ,Using a periodontal probe

**Secondary outcomes****1****Description**

Bleeding index

**Timepoint**

zero,one week,three week

**Method of measurement**

Using a probe

**2****Description**

plauqe index

**Timepoint**

zero,one week,three week

**Method of measurement**

metod loe am=nd silness,using periodontal probe

**Intervention groups****1****Description**

Group case for three weeks of vinegar and water will be used mouthwash Treatment with medication The control group will use a placebo for three weeks

**Category**

Treatment - Drugs

**2****Description**

The use of chlorhexidine 0.12 in the group for three weeks

**Category**

Treatment - Drugs

**3****Description**

The use of Serum 0.09 in the control group for three weeks

**Category**

Placebo

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Jaber ebn hayan School

**Full name of responsible person**

Milad SHiralinya

**Street address**

Boulevard KHazar, Sari

**City**

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Doctor Ahmad ali Enayati

**Street address**

Moalem Square, Sari

**City**

Sari

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Mazandaran 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**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Doctor Hadis Ehsani

**Position**

Periodontist

**Other areas of specialty/work**

**Street address**

Babol Street, Qaemshahr

**City**

Qaemshahr

**Postal code**

**Phone**

+98 11 4227 4722

**Fax**

**Email**

hehsani@mazums.ac.ir

**Web page address**

## Person responsible for scientific inquiries

#### Contact

**Name of organization / entity**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Doctor Hadis Ehsani

**Position**

Periodontist

**Other areas of specialty/work**

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## Person responsible for updating data

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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*