

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

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Name of organization / entity

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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