

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Clinical effect of Oregano mouth wash on periodontal indexes compare with chlorhexidine

Protocol summary

Summary

After drying the leaves of origanum vulgare extracted with 80% methanol by maceration method. And formulation of a mouthwash is prepared. All patients in the study first visit (treated with scaling and root planing and polished) were within 3 weeks to continue his habit oral hygiene procedures. Clinical measurements will be done within 3 weeks, and the clinical characteristics of plaque, gingivitis and bleeding gums and staining recorded At this point, all patients receiving mouthwash is said that each group corresponding to your mouth (1. Mouthwashes marjoram, 2. chlorhexidine rinses, 3 placebo) for 3 weeks are arranged along a toothbrush hitting use (15 ml mouthwash for 30 seconds and 2 times per day). After three weeks, patients were recalled and re-measure and record factors that cause periodontal finally, the data will be analyzed by statistical software.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016120531242N1**

Registration date: **2017-03-13, 1395/12/23**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-03-13, 1395/12/23

Registrant information

Name

Emran Habibi

Name of organization / entity

Mazandaran University of Medical sciences

Country

Iran (Islamic Republic of)

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+98 11 3354 3761

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Recruitment status

Recruitment complete

Funding source

Deputy of Research and Technology, Mazandaran University of Medical Sciences

Expected recruitment start date

2017-03-05, 1395/12/15

Expected recruitment end date

2017-07-06, 1396/04/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical effect of Oregano mouth wash on periodontal indexes compare with chlorhexidine

Public title

Clinical effect of Oregano mouth wash

Purpose

Treatment

Inclusion/Exclusion criteria

Having 12 incisors; mild to moderate gingivitis and absence of pocket and loss of attachment; absence of color in the tooth and the lack of allergy to chlorhexidine and Origanum vulgare; non-use of intraoral removable prosthesis; history of antibiotic use 3 last month and no smoking.

Age

From **20 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

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

Moalem Ave.

City

sari

Postal code

Approval date

2016-02-01, 1394/11/12

Ethics committee reference number

IR.MAZUMS.REC.94-1823

Health conditions studied

1

Description of health condition studied

Gingivitis

ICD-10 code

K05

ICD-10 code description

Gingivitis and periodontal diseases

Primary outcomes

1

Description

The clinical characteristics of plaque

Timepoint

before and after treatment

Method of measurement

Observation

2

Description

Gingival inflammation

Timepoint

before and after treatment

Method of measurement

Observation

3

Description

Gingival bleeding

Timepoint

before and after treatment

Method of measurement

Observation

4

Description

Staining of teeth

Timepoint

before and after treatment

Method of measurement

Observation

Secondary outcomes

1

Description

Oral allergy

Timepoint

During the study, and then

Method of measurement

observation

Intervention groups

1

Description

15 ml Marjoram mouthwash 2 times a day for 3 weeks

Category

Treatment - Drugs

2

Description

15 ml Chlorhexidine 2 times a day for 3 weeks

Category

Treatment - Drugs

3

Description

15 ml placebo mouthwash two times a day for 3 weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Specialized Private Dental clinic

Full name of responsible person

Mahmoud Khosravi

Street address

City

Sari

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mazandaran University of Medical Sciences

Full name of responsible person

Ahmad Ali Enayati

Street address

Mazandaran University of Medical Sciences, Moalen Avenue

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

Emran Habibi

Position

Ph.D. Assistant Professor

Other areas of specialty/work

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Other areas of specialty/work

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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