

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

The evaluation of the effect of sequential use of chlorhexidine 0/2% and Listerin mouthwashes in Plaque Control

Protocol summary

Summary

In this study, tabriz dental students who are volunteer to cooperate in the above project are participated. sixteen participants will be studied. first of all, two mouth washes labeled A, B are given to them. they will be asked to use them five days, twice a day after eating.

Respectively, they will be asked to gargle A mouth wash (chlorhexidine) and after a minute B mouth wash (listerine) during one minute. in this time, participants should not use mechanical means of plaque control such as tooth brush and floss. at the end of the period, participants will be checked-up from the point of the plaque index and bleeding during probing. after measuring the above indicators, participants will be brushing and they recommended to visit after four days and to be checked up from the point of the absence of plaque and will be ready for the second stage. In the second stage, first B mouth wash (listerine) is used and after a minute, A mouth wash (chlorhexidine) is used for a minute twice a day. after 5 days, again plaque index and bleeding on the probing is recorded and members will be ready for the third stage. In the third stage, B mouth wash (listerine) is only used and after wash out period, they will be prepared for the fourth period. Similarly, the fourth stage will be done with difference of using only A mouth wash (chlorhexidine) in this stage.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017061914440N7**

Registration date: **2017-06-21, 1396/03/31**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-06-21, 1396/03/31

Registrant information

Name

Alli Zarandi

Name of organization / entity

Dental Faculty, Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1335 5921

Email address

zarandia@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Personal

Expected recruitment start date

2016-11-21, 1395/09/01

Expected recruitment end date

2017-08-06, 1396/05/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The evaluation of the effect of sequential use of chlorhexidine 0/2% and Listerin mouthwashes in Plaque Control

Public title

The evaluation of the effect of sequential use of chlorhexidine 0/2% and Listerin mouthwashes in Plaque Control

Purpose

Prevention

Inclusion/Exclusion criteria

The participants should have no systemic diseases, they should have quite healthy periodontium and they should not be smokers. In the last 6 months, they should not have used antimicrobial or immunosuppressive medicines whether systemically nor locally. During examination, their gums should not bleed. Their age should be between 20-25. They should not be allergic to chlorhexidine or Listerine.

Age

From **20 years** old to **25 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **16**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary IDs

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tabriz University of Medical Sciences

Street address

Ethics Committee of Tabriz University of Medical Sciences, Vice Chancellor for Research of Tabriz University of Medical Sciences, Tabriz University of Medical Sciences, Golgasht street, Tabriz

City

Tabriz

Postal code

51665-118

Approval date

2017-05-27, 1396/03/06

Ethics committee reference number

IRTBZMED.REC.1396.224

Health conditions studied

1

Description of health condition studied

Plaque Control

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Plaque

Timepoint

5 days after using mouthwashes

Method of measurement

By disclosing agent with visual scale

Secondary outcomes

1

Description

Bleeding on probing

Timepoint

5 days after using mouthwashes

Method of measurement

Bleeding in 15 second after gentle probing by periodontal probe

Intervention groups

1

Description

gargle chlorhexidine mouth wash during one minute and after a minute gargle Listerine mouth wash during one minute for five days, twice a day

Category

Prevention

2

Description

gargle Listerine mouth wash during one minute and after a minute gargle chlorhexidine mouth wash during one minute for five days, twice a day

Category

Prevention

3

Description

gargle chlorhexidine mouth wash during one minute for five days, twice a day

Category

Prevention

4

Description

gargle Listerine mouth wash during one minute for five

days,twice a day

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Department of Implant of Dental Faculty of Tabriz
University of Medical Sciences

Full name of responsible person

Ali Zarandi

Street address

Department of Implant, Tabriz Dental Faculty, Tabriz
University of Medical Sciences

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research of Tabriz University of
Medical Sciences

Full name of responsible person

Mohammadreza Rashidi

Street address

Vice Chancellor for Research, Tabriz University of
Medical Sciences, Golgasht street

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for Research of Tabriz 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

Department of Periodontics of Dental Faculty of
Tabriz University of Medical Sciences

Full name of responsible person

Ali Zarandi

Position

Assistant Professor

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