Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 participared.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

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Alli Zarandi
Name of organization / entity
Dental Faculty, Tabriz University of Medical Sciences
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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 month,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 periodental 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

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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

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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