

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

comparison effect of anti sensitivity toothpaste with anti sensitivity gel and mouthwash in resolve of the root dentin hypersensitivity after scaling and root planning

Protocol summary

Study aim

The puepose of the study is comparison effect of anti sensitivity toothpaste with anti sensitivity gel and mouthwash in resolve of the root dentin hypersensitivity after scaling and root planning

Design

Two arm parallel group randomised trial with blinded postoperative care and outcome assessment. we have four groups in our study ,contol: toothpaste : mouthwash :gel

Settings and conduct

location : department of periodontics ,tabriz University of medical sciences ,dental school the patiens will be collected from the referrral patiens from private offices and department from 2019-5 up to 2019-6

Participants/Inclusion and exclusion criteria

inclusion criteria: moderate periodontitis: the patient shuold have at least 10 functional teeth (except third molars): no systemic disease: Full mouth score plaque more than 25 %: no antibiotic use in the past 3 months: no tooth hypersensitivity: exclusion criteria : unwilling to be engaged in the study: pregnancy and breast feeding: use of drug ,alcohol,smoking: the lack of inclusion criteria: the patients that is at the baseline of the hypersensitivity

Intervention groups

gruop 1-phase one plus anti-sensitive tooth paste group
2-phase one plus anti-sensitive mouthwash group
3-phase one plus anti-sensitive gel group
4-control group

Main outcome variables

BOP(bleeding on probing) PD(probing depth)

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20120702010155N5**

Registration date: **2019-08-18, 1398/05/27**

Registration timing: **retrospective**

Last update: **2019-08-18, 1398/05/27**

Update count: **0**

Registration date

2019-08-18, 1398/05/27

Registrant information

Name

Mohammad Taghi Chitsazi

Name of organization / entity

Country

Iran (Islamic Republic of)

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+98 41 1335 5965

Email address

chitsazm@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-04-21, 1398/02/01

Expected recruitment end date

2019-06-21, 1398/03/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison effect of anti sensitivity toothpaste with anti sensitivity gel and mouthwash in resolve of the root dentin hypersensitivity after scaling and root planning

Public title

comparison effect of anti sensitivity toothpaste with anti sensitivity gel and mouthwash in resolve of the teeth hypersensitivity after cleaning by dentist

Purpose

Supportive

Inclusion/Exclusion criteria**Inclusion criteria:**

1-moderate periodontities the patient should have at least 10 functional teeth (except third molars) no systemic disease Full mouth score plaque more than 25 % no antibiotic use in the past 3 months no tooth hypersensitivity

Exclusion criteria:

unwilling to be engaged in the study pregnancy and breast feeding use of drug ,alcohol,smoking the lack of inclusion criteria the patients that is at the baseline of the hypersensitivity

Age

No age limit

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

randomization by the use of "http://www.randomizer.org in three groups ,each group containing 20 patient in tooth paste group one SENSODYNE toothpaste tube will be delivered to the patient ,in GELL group one SENIKIN gel tube will be delivered to the patient and in test group VAS test will be administered.

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Iran National Committee for Ethics in Biomedical Research

Street address

Floor 13, Block A, Ministry of Health & Medical Education Headquarters, Between Zarafashan & South Falamak, Qods Town, Tehran, Iran

City

Tehran

Province

Tehran

Postal code

2181455618

Approval date

2019-06-17, 1398/03/27

Ethics committee reference number

IR.TBZMED.REC.1398.300

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

periodontities

ICD-10 code

K05.4

ICD-10 code description

Periodontosis

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

BOP

Timepoint

before the beginning the study - 2 weeks later -4 weeks later

Method of measurement

CHECK LIST

Secondary outcomes

empty

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

Intervention group: mouthwash.in mouthwash group one SENSIKIN mouthwash bottle will be delivered to the patient ,the patient will be asked to use mouthwash for half an hour and avoid eating and drinking 30 minutes thereafter after one week VAS test will be administered.

Category

Treatment - Other

2**Description**

Intervention group: tooth paste.in tooth paste group one SENSODYNE toothpaste tube will be delivered to the patient ,the patient will be asked to brush twice a day and avoid eating and drinking 30 minutes thereafter after one week VAS test will be administered.

Category

Treatment - Other

3

Description

intervention group: gel.in gel group one SENSODYNE toothpaste tube will be delivered to the patient ,the patient will be asked to use gel twice a day and avoid eating and drinking 30 minutes thereafter . after one week VAS test will be administered.

Category

Treatment - Other

4

Description

Control group: no toothpaste -no mouthwash-no gel .after one week the patients will be asked about sensitivity and VAS test will be administered.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Dentistry faculty Tabriz university of medical sciences

Full name of responsible person

mohammad tagi chitsazi

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Daneshgah street -Dentistry faculty Tabriz university of medical sciences

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

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Full name of responsible person

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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

Tabriz University of Medical Sciences

Proportion provided by this source

1

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

محمد تقی چیت سازی

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available