

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jun 2026

Comparison of bleaching effect of two Tooth-whitening laquer containing 16% carbamide peroxide on maxillary canines

Protocol summary

2020-08-12, 1399/05/22

Study aim

Comparison of bleaching effect of two Tooth-whitening laquer containing 16% carbamide peroxide on maxillary canines

Design

Clinical trial, parallel, single-blind, randomized

Settings and conduct

10 of the 20 patients in the study group for 2 weeks each day covered 1 time with their left maxillary canine teeth with Vi-One dental varnish and washed with water, toothbrush and toothpaste for 20 minutes, and the next 10 subjects This is done with white smile. The site of the study is the sociological section of the Tabriz Dental School.

Participants/Inclusion and exclusion criteria

Inclusion criteria: all patients who requested a home bleaching treatment of the maxillary canines had a good general health; all patients their upper canines with a tooth color of 3A or darker as measured with the tooth shade guide. Exclusion criteria: known allergy to any of the ingredients in the bleaching lacquer used.

Intervention groups

Evaluation of the effectiveness of dental lacquer

Main outcome variables

Dental color change

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170723035238N2**

Registration date: **2020-08-12, 1399/05/22**

Registration timing: **retrospective**

Last update: **2020-08-12, 1399/05/22**

Update count: **0**

Registration date

Registrant information

Name

ahmad behroozian

Name of organization / entity

tabriz university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 33379351

Email address

behrooziana@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-02-28, 1396/12/09

Expected recruitment end date

2018-04-29, 1397/02/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of bleaching effect of two Tooth-whitening laquer containing 16% carbamide peroxide on maxillary canines

Public title

Comparison of bleaching effect of two Tooth-whitening laquer

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

All patients who requested a home bleaching treatment

of the maxillary canines had a good general health All patients their upper canines with a tooth color of 3A or darker as measured with the tooth shade guide

Exclusion criteria:

Known allergy to any of the ingredients in the bleaching lacquer used Systemic disease Tooth structures anomalies Non-vital front teeth One or more caries lesion Crowns and fillings on one or more anterior teeth Insufficient oral hygiene Untreated periodontitis Ortodontic appliances on the incisors

Age

From **18 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **20**

Randomization (investigator's opinion)

Randomized

Randomization description

Based on the patient case number, they were selected as rendezvous.

Blinding (investigator's opinion)

Single blinded

Blinding description

Based on coding dishes containing dental lacquer

Placebo

Not used

Assignment

Parallel

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

Tabriz University of Medical Sciences, Daneshgah avenue, Daneshgah square

City

Tabriz

Province

East Azarbaijan

Postal code

1545453737

Approval date

2018-02-04, 1396/11/15

Ethics committee reference number

IR.TBZMED.REC.1396.1062

Health conditions studied

1

Description of health condition studied

Tooth discoloration

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Tooth color

Timepoint

1, 7, 14 and 21 days after using dental lacquer

Method of measurement

Tooth shade guide chromascope

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: whitemile laquer-16% carbamideperoxide-white smile co.7,14,21 days

Category

Treatment - Other

2

Description

Control group: Iranian laquer16% carbamideperoxide-Vi-onen co.7,14,21 days

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty Of Dentistry of Tabriz

Full name of responsible person

Ahmad Behrozian

Street address

University Street, the end of Gulgasht Street

City

Tabriz

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East Azarbaijan

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Email

info@dentistryfac.tbzmed.ac.ir

Web page address

http://www.tbzmed.ac.ir/

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Fatemeh Sababkar

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University Street, the end of Gholghasht

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Grant name

Grant code / Reference number

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

No

Title of funding source

Faculty of Dentistry Tabriz

Proportion provided by this source

100

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

Fatemeh Sababkar

Position

Dentistry student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Ahmad Behroozian

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

Dentistry

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Person responsible for updating data

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Fatemeh Sababkar

Position

Dentistry student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

At the moment, exact information is not available from the final results of the work

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

At the moment, exact information is not available from the final results of the work

When the data will become available and for how long

Practical work has not started yet

To whom data/document is available

fatemeh sababkar-Ahmad Behroozian

Under which criteria data/document could be used

At the moment, exact information is not available from the final results of the work

From where data/document is obtainable

At the moment, exact information is not available from the final results of the work

What processes are involved for a request to access data/document

At the moment, exact information is not available from the final results of the work

Comments

At the moment, exact information is not available from the final results of the work