

# 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 Gulgash Street

**City**

Tabriz

**Province**

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**Postal code**

5166614711

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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

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**Full name of responsible person**

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**Position**

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**Latest degree**

A Level or less

**Other areas of specialty/work**

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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