

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

06 Jul 2026

### Comparative assessment of effect of traditional oral hygiene and halitosis-base education on oral hygiene indices in Yazd freshman high school students

#### Protocol summary

##### Summary

The aim is Comparison of the effects of education (Health education with or without learning about tooth decay or bad breath) in Motivating the promotion of oral health indicators in the first high school students in Yazd. A Single-blind randomized controlled study included 195 school students (girls and boys) is designed that have not known Respiratory diseases, gastrointestinal, renal, hepatic or acute dental caries. Demographic characteristics, health behaviors, modified gingival index and plaque index, halitosis rate and self- assessment of halitosis rate will register. The control group will receive only oral health education and The second group will receive oral health education and teaching about caries and periodontal diseases and third group will receive oral health education and teaching about halitosis. Examinations are repeated after 2 weeks and 2 months.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2012122611888N1**

Registration date: **2013-08-04, 1392/05/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2013-08-04, 1392/05/13

##### Registrant information

##### Name

Motahare Amiri

##### Name of organization / entity

Yazd Dental Faculty

##### Country

Iran (Islamic Republic of)

##### Phone

+98 35 1625 5881

##### Email address

motahare.amiri@ssu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Shahid Sadooghi Dental Faculty of Yazd

##### Expected recruitment start date

2013-04-04, 1392/01/15

##### Expected recruitment end date

2013-05-05, 1392/02/15

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparative assessment of effect of traditional oral hygiene and halitosis-base education on oral hygiene indices in Yazd freshman high school students

##### Public title

Effect of oral hygiene education based on halitosis education on oral hygiene

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: freshman student Exclusion criteria: known Respiratory diseases; gastrointestinal; renal; hepatic ; acute dental caries

##### Age

From **15 years** old to **16 years** old

##### Gender

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: **195**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Single blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Parallel

**Other design features**

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

Ethic committee of Yazd University of Medical Sciences

**Street address**

Bahonar Square

**City**

Yazd

**Postal code**

**Approval date**

2013-03-17, 1391/12/27

**Ethics committee reference number**

17/1/188715/پ

**Health conditions studied**

1

**Description of health condition studied**

halitosis

**ICD-10 code**

R19.6

**ICD-10 code description**

International Statistical Classification of Diseases and Related Health Problems 10th Revision

**Primary outcomes**

1

**Description**

halitosis

**Timepoint**

before intervention and 2 weeks and 2 months after

intervention

**Method of measurement**

smelling

2

**Description**

modified gingival index

**Timepoint**

before intervention and 2 weeks and 2 months after intervention

**Method of measurement**

modified gingival index by lobebe R.R method

3

**Description**

plaque index

**Timepoint**

before intervention and 2 weeks and 2 months after intervention

**Method of measurement**

by loe H, silness method

4

**Description**

self assesment of halitosis

**Timepoint**

before intervention and 2 weeks and 2 months after intervention

**Method of measurement**

one's speech

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

Intervention group: To one group be given oral hygiene education and training about halitosis at a meeting.

**Category**

Prevention

2

**Description**

Intervention group: To one group be given oral hygiene education and training about caries and gingival disease at a meeting.

**Category**

Prevention

3

**Description**

control group: To one group be given oral hygiene education at a meeting.

**Category**

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**

Vaziri high school

**Full name of responsible person**

Hadi Taghvaei

**Street address**

Imam Street

**City**

Yazd

### 2

#### Recruitment center

**Name of recruitment center**

Entezari high school

**Full name of responsible person**

Ghazanfar Jafarpour

**Street address**

Khayam Street, BLV of Dahe fajr

**City**

Yazd

### 3

#### Recruitment center

**Name of recruitment center**

Dr. Batool Imamhoseini high school

**Full name of responsible person**

Farahnaz emadi

**Street address**

BLV of Dahe fajr

**City**

Yazd

### 4

#### Recruitment center

**Name of recruitment center**

Meshkat high school

**Full name of responsible person**

Parvin Abooei

**Street address**

BLV of Modares, Shohada Mehrab Square

**City**

Yazd

### 5

#### Recruitment center

**Name of recruitment center**

Fatemieh high school

**Full name of responsible person**

Marieh Taheri

**Street address**

Mahdi Street

**City**

Yazd

### 6

#### Recruitment center

**Name of recruitment center**

markar high school

**Full name of responsible person**

**Street address**

**City**

yazd

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Dental Faculty

**Full name of responsible person**

Dr. Davari

**Street address**

Fazaie sabz

**City**

Yazd

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Dental Faculty

**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**

Dental Faculty

**Full name of responsible person**

Motahare Amiri

**Position**

Assistant professor of operative and cosmetic dentistry

**Other areas of specialty/work**

**Street address**

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**Web page address**

-

**Person responsible for scientific inquiries****Contact****Name of organization / entity**

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**Full name of responsible person**

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**Person responsible for updating data****Contact****Name of organization / entity**

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Motahare Amiri

**Position**

assistant professor of operative and cosmetic dentistry

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**Web page address****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*