

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Effect of two Oral Hygiene Learning Methods on Knowledge among the Last Elementary Class Students.

Protocol summary

Study aim

The purpose of this clinical trial study is to evaluate the role of the two oral hygiene methods (conventional method vs. educational film) on oral health promotion among students, as one of the important goal groups in society.

Design

In this randomized clinical trial study, 120 Students in the last elementary class in one of the schools in Tehran with inclusion criteria will participate and the classes will be randomly selected into the tests or control groups.

Settings and conduct

A questionnaire with 6 multiple choice questions will be answered by the students; the score will be assumed as the "pretest" score. Three weeks after intervention, the questionnaire will be answered again and the score will be recorded as "post test" score.

Participants/Inclusion and exclusion criteria

Boy students at the 6th elementary class who are volunteer to participate to the study.

Intervention groups

Test Group 1: Animation Film Group Test Group 2: Dentist with Artificial Model Group Control Group: Without Intervention

Main outcome variables

Knowledge change about oral hygiene.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20140318017053N8**

Registration date: **2018-01-27, 1396/11/07**

Registration timing: **retrospective**

Last update: **2018-01-27, 1396/11/07**

Update count: **0**

Registration date

2018-01-27, 1396/11/07

Registrant information

Name

Ferena Sayar

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2256 4571

Email address

f_sayar@dentaliau.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-11-22, 1396/09/01

Expected recruitment end date

2017-11-29, 1396/09/08

Actual recruitment start date

2017-11-22, 1396/09/01

Actual recruitment end date

2017-11-29, 1396/09/08

Trial completion date

empty

Scientific title

Effect of two Oral Hygiene Learning Methods on Knowledge among the Last Elementary Class Students.

Public title

Effect of two Oral Hygiene Methods on Knowledge of Students at Elementary School.

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Male Students 6th elementary class

Exclusion criteria:

Discontent to participate

Age

From **11 years** old to **13 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

Actual sample size reached: **120**

Randomization (investigator's opinion)

Randomized

Randomization description

Each class will be selected for one of the study groups by a sealed pocket.

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

It is the first time in Iran we are going to use of animation film to promote oral hygiene knowledge among elementary students.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Islamic Azad University

Street address

9th Neyestan St., Pasdaran Ave., Dental School,
Islamic Azad University of Medical Sciences

City

Tehran

Province

Tehran

Postal code

19585175

Approval date

2017-11-12, 1396/08/21

Ethics committee reference number

IR.IAU.DENTAL.REC.1396,33

Health conditions studied

1

Description of health condition studied

Knowledge about Oral Hygiene

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Change in Knowledge.

Timepoint

Base line and 3 weeks after the interventions.

Method of measurement

Score of the questionnaire.

Secondary outcomes

empty

Intervention groups

1

Description

Test group 1: Educational Film Group.

Category

N/A

2

Description

Test group 2: Dentist with Artificial Model Group.

Category

N/A

3

Description

Control group: Without Intervention.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental School, Islamic Azad Medical Sciences

Full name of responsible person

Ferena Sayar

Street address

9th Neyestan, Pasdaran Ave.

City

Tehran

Province

Tehran

Postal code

19585175

Phone

+98 21 2256 4571

Email

f_sayar@dentaliu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Ferena Sayar

Street address

9th Neyestan, Pasdaran Ave, Islamic Azad Dental School

City

Tehran

Province

Tehran

Postal code

19585175

Phone

+98 21 2274 6248

Email

f_sayar@dentaliau.ac.ir

Grant name

vice chancellor for research, Islamic Azad Dental School.

Grant code / Reference number

2279608130002

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

Yes

Title of funding source

Islamic Azad University

Proportion provided by this source

100

Public or private sector

Private

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

Islamic Azad University

Full name of responsible person

Ferena Sayar

Position

associate professor

Latest degree

Specialist

Other areas of specialty/work

Periodontics

Street address

9th Neyestan, Pasdaran Ave.

City

Tehran

Province

Tehran

Postal code

19585175

Phone

+98 21 2274 6248

Email

f_sayar@dentaliau.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Ferena Sayar

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

Periodontics

Street address

9th Neyestan, Pasdaran Ave., Islamic Azad Dental School, Periodontics Department

City

Tehran

Province

Tehran

Postal code

19585175

Phone

+98 21 2274 6248

Email

f_sayar@dentaliau.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Ferena Sayar

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

Periodontics

Street address

9th Neyeatan, Pasdaran Ave., Islamic Azad Dental School, Periodontics Department

City

Tehran

Province

Tehran

Postal code

19585175

Phone

+98 21 2274 6248

Email

f_sayar@dentaliau.ac.ir

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