

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Aug 2026

The effect of oral health education using blended learning on Adoption of dental caries preventive behaviors among students at elementary schools

Protocol summary

Summary

The aim of this study was to determine the effect of oral and dental health education on combining dental caries preventive behaviors in students and the specific goals are: determine the demographic and background characteristics of students in two groups: intervention and control, determination The relationship between knowledge, attitude and behavior with demographic variables, determine and compare the mean score of knowledge, attitude and preventive behaviors in students about dental caries before, immediately and two months after the intervention. In this semi-experimental study, female students of elementary school in KootAbdollah town were selected through multistage cluster sampling in the first semester of the academic year of 2017-2016. The criteria for entering the study are as follows: Residence in Koot Abdollah, primary and secondary education, and willingness to participate in the study, as well as exclusion criteria include incomplete completion of the questionnaire, reluctance to continue studying and transfer to other schools. The data collection tool was a demographic and subscale characteristics questionnaire and a standard questionnaire for assessing the knowledge, attitude and behavior regarding the prevention of dental caries that was completed in three stages before, immediately and two months after the intervention. The experimental group received two sessions of combination training, which included the use of presentation, PowerPoint, practical and role play.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017082635899N1**

Registration date: **2017-10-03, 1396/07/11**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-03, 1396/07/11

Registrant information

Name

Hosna Rrashidi Birgani

Name of organization / entity

Tarbiat modares

Country

Iran (Islamic Republic of)

Phone

+98 21 82880

Email address

h-rashidi@modares.ac.ir

Recruitment status

Recruitment complete

Funding source

investigator

Expected recruitment start date

2017-02-17, 1395/11/29

Expected recruitment end date

2017-06-20, 1396/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of oral health education using blended learning on Adoption of dental caries preventive behaviors among students at elementary schools

Public title

The effect of oral health education using blended learning on Adoption of dental caries preventive behaviors among students at elementary schools

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria included: residence in the town of Kootabdollah, studying in fifth and sixth grades and willingness to participate in the study and exclusion criteria included: imperfect completion of questionnaires, lack of willing to continue to participate in the study and transfer to other schools.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 120

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Samples were selected from elementary schools in the city of Kootabdollah by multistage cluster sampling method. First, a list of girls' schools was provided at the elementary level of Kootabdollah. Then they randomly selected 2 schools. Two selected schools were randomly divided into two intervention and control groups.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

ethics committee of Tarbiat Modares University

Street address

Tehran, Jalal al ahmad, Nasr Bridge

City

Tehran

Postal code

Approval date

2016-12-04, 1395/09/14

Ethics committee reference number

IR.TMU.REC.1395.452

Health conditions studied

1

Description of health condition studied

oral health

ICD-10 code

k03.2

ICD-10 code description

Erosion of teeth

Primary outcomes

1

Description

Awareness

Timepoint

Before the intervention, immediately and two months after the intervention

Method of measurement

questionnaire

2

Description

Attitude

Timepoint

Before the intervention, immediately and two months after the intervention

Method of measurement

questionnaire

3

Description

Performance

Timepoint

Before the intervention, immediately and two months after the intervention

Method of measurement

questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Education using blended learning include PowerPoint , lectures, Replica and practical presentation for 2 training sessions.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Prophecy elementary school
Full name of responsible person
Fereshteh Tadayon Nia
Street address
Kootabdollah- Telecommunication Street
City
Kootabdollah

2

Recruitment center

Name of recruitment center
Culture elementary school
Full name of responsible person
laleh Asakereh
Street address
hadi abad
City
Kootabdollah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor for research tarbiat modares university
Full name of responsible person
Yagub Fathollahi
Street address
Tehran- Tarbiat Modares University
City
Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research tarbiat modares university

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
Tarbiat Modares University
Full name of responsible person
SHamsaddin Niknami
Position

Associate Professor, Department of Health Education,
Faculty of Medicine, Tarbiat Modares University

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Hosna Rashidi Birgani

Position

Msc student of health education

Other areas of specialty/work

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Fax

Email

hosna.rashidi@yahoo.com

Web page address

Person responsible for updating data

Contact

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