

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 May 2026

Comparison of the effect of mobile education program with common oral and dental health education in primary school girl students in Tahlkhvcheh

Protocol summary

Study aim

Determination of the effect of mobile educational software on oral and dental education on elemental health in primary school students in Tahlkhvcheh

Design

In this study, after completing the questionnaires, based on the data collected and the initial needs assessment of the required health topics and recommendations, it was developed in the form of an Android educational application that combines images, video, games and health advice in the form of Written will be presented as an intervention to the test group. Interventions will be measured by completing the first stage questionnaire and analyzing the resulting data

Settings and conduct

In this study, fourth, fifth and sixth grade elementary girls from Talehkvcheh, Esfahan, as an intervention group and one of the other schools are considered as the control group.

Participants/Inclusion and exclusion criteria

The criteria for entering a student family is certainly a mobile phone and there is no similar program on the phone. And the failure criterion is the inability to use the software.

Intervention groups

In this study, the intervention group received a mobile education program, and the control group is undergoing oral and dental training.

Main outcome variables

Knowledge variable. Attitude, performance and mobile training program

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190128042530N1**

Registration date: **2019-03-12, 1397/12/21**

Registration timing: **registered_while_recruiting**

Last update: **2019-03-12, 1397/12/21**

Update count: **0**

Registration date

2019-03-12, 1397/12/21

Registrant information

Name

Elham Moradian

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 5253 3292

Email address

elham.m13670611@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-05, 1397/12/14

Expected recruitment end date

2019-04-16, 1398/01/27

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of mobile education program with common oral and dental health education in primary school girl students in Tahlkhvcheh

Public title

the effect of mobile education program with common oral and dental health education

Purpose

Prevention

Inclusion/Exclusion criteria**Inclusion criteria:**

1) Students must be in the fourth, fifth, and sixth grade.2) At least one family member has an Android mobile phone.3) Do not install other software with oral hygiene training content on mobile phones

Exclusion criteria:

1) Dissatisfaction to continue participating in the study.2) Failure to use Android training software due to physical problems such as eye problems3) The lack of proper use of the Android educational software

Age

From **10 years** old to **13 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **160**

Randomization (investigator's opinion)

Not randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Shahid Sadoughi University of Medical Sciences
School of Health

Street address

Bahonar Square, Alam Square, Anahmad Shahid
Boulevard, Shahid Sadoughi University of Medical
Sciences, Yazd, Iran

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Yazd

Province

Yazd

Postal code

8915173160

Approval date

2018-12-02, 1397/09/11

Ethics committee reference number

IR.SSU.SPH.REC.1397.101

Health conditions studied**1****Description of health condition studied**

Oral health

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Dental Health Knowledge score

Timepoint

The beginning of the study and after the oral health education

Method of measurement

Oral Health Questionnaire

2**Description**

Oral hygiene attitude

Timepoint

The beginning of the study and after the oral health education

Method of measurement

Oral Health Questionnaire

3**Description**

Oral hygiene performance score

Timepoint

The beginning of the study and after the oral health education

Method of measurement

Oral Health Questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: The oral hygiene information of the intervention group (fourth, fifth, and sixth grade students) is first measured by a questionnaire. Then, this group submits two 20-minute sessions for 6 weeks each week to the mobile education program. The data of this group are researched again with the same questionnaire.

Category

Prevention

2

Description

Control group: The oral hygiene data of the intervention group (fourth, fifth, and sixth grade female students) are first measured by a questionnaire. The group is then given a two-part 20-minute session for 6 weeks each week, including lectures. Then the information of this group is measured again with the same questionnaire.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Sadoughi University of Yazd

Full name of responsible person

Elham Moradian

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr. Mohammad Hassan Ihram Poshe

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info@ssu.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

Yazd University of Medical Sciences

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

Yazd University of Medical Sciences

Full name of responsible person

Elham Moradian

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Public Health

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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zohre rahaei

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Health Promotion

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Full name of responsible person

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Position

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Latest degree

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Other areas of specialty/work

Public Health

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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