

# 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

**City**

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

##### Street address

Alam Square, Anonymous Martyrs' Blvd.

##### City

Yazd

##### Province

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##### Postal code

8915173160

##### Phone

+98 35 3820 9100

##### Email

elham.m13670611@gmail.com

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Yazd University of Medical Sciences

##### Full name of responsible person

Dr. Mohammad Hassan Ihram Poshe

##### Street address

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

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##### Province

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##### Postal code

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##### Phone

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##### Fax

+98 35 3820 9119

##### Email

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

##### Street address

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## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Yazd University of Medical Sciences

##### Full name of responsible person

zohre rahaei

##### Position

Assistant Professor

##### Latest degree

Ph.D.

##### Other areas of specialty/work

Health Promotion

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**Person responsible for updating data****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

**Street address**

Alam Square, Anonymous Martyrs' Blvd.

**City**

Yazd

**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