

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The effect of educational intervention based on Pender's Health Promotion Model on oral and dental health behaviors among high school students

Protocol summary

Summary

Objectives; Evaluation of the effect of educational intervention based on Pender's Health Promotion Model on oral and dental health behaviors among high school students in Talish city. Design; This study is a random control trial that was carried out on 172 high school students, using two-stage sampling method in Talish city, in 2014. Setting and conduct; Samples were divided randomly into two groups, control and intervention. Data collection tool was a validity and reliability assessed questionnaire, designed on the Health Promotion Model. Educational intervention was designed based on the data collected from pre-test and carried out in five 50 to 60-minute sessions within four weeks on intervention group. Post-test data were collected two weeks and three months after educational intervention and were analyzed in SPSS 18 software, using statistic tests including independent T-tests, Mann-whithneyu, Wilcoxon, Paired t-tests, ANOVA and Chi-square. Inclusion criteria; Voluntary participating in study, Studying in 2nd grade of high school Exclusion criteria; The fail of the participating in each of the training sessions, The lack of consent to continue in study. Main outcome; improving the students' oral health behaviors

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014062618248N1**
Registration date: **2014-10-25, 1393/08/03**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-10-25, 1393/08/03

Registrant information

Name

Maryam Pourhallaji

Name of organization / entity

Guilan University of medical sciences and health care services

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Guilan university of medical sciences and health care services

Expected recruitment start date

2014-06-04, 1393/03/14

Expected recruitment end date

2016-03-02, 1394/12/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of educational intervention based on Pender's Health Promotion Model on oral and dental health behaviors among high school students

Public title

The effect of educational intervention based on Pender's Health Promotion Model on oral and dental health behaviors among high school students in

Purpose

Health service research

Inclusion/Exclusion criteria
Inclusion criteria: Voluntary participating in study,
Studying in 2nd grade of high school Exclusion criteria:
The fail of the participating in each of the training
sessions, The lack of consent to continue in study

Age
From **16 years** old to **17 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **172**

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

Vice chancellor for research, Guilan University of
medical sciences and health care services

Street address

Vice chancellor for research, Guilan University of
medical sciences and health care services, Shahid
beheshti Gharbi boulevard, Gaz Square

City

Rasht

Postal code

4193893345

Approval date

2014-06-02, 1393/03/12

Ethics committee reference number

4930111205

Health conditions studied

1

Description of health condition studied

Oral health behaviors

ICD-10 code

Z72.9

ICD-10 code description

Problem related to lifestyle, unspecified

Primary outcomes

1

Description

Dental Plaque

Timepoint

before intervention, two weeks after intervention, three
months after intervention

Method of measurement

Dental examination

2

Description

Oral Health behavior

Timepoint

before intervention, two weeks after intervention, three
months after intervention

Method of measurement

Questionnaire

Secondary outcomes

1

Description

tooth brushing

Timepoint

before intervention, two after intervention, three months
after intervention

Method of measurement

questionnaire, check list

Intervention groups

1

Description

Control; no intervention

Category

Lifestyle

2

Description

Intervention group; Educational intervention was
designed based on the data collected from pre-test and
carried out in five 50 to 60-minute sessions within four
weeks.

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center
Azadi high school of Talesh
Full name of responsible person
Jamile Jafari
Street address
Khoramshahr Street
City
Talesh

2

Recruitment center
Name of recruitment center
Efaf high school Of Talesh
Full name of responsible person
Zeinab Balazade
Street address
Moalem street, Taleghani Street
City
Talesh

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for research of Guilan University of Medical Sciences
Full name of responsible person
Abtin Heydarzade
Street address
Vice Chancellor for research of Guilan University of Medical Sciences, Shahid Beheshti Gharbi Boulevard, Gaz Square
City
rasht
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 of Guilan University of Medical Sciences
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
Guilan university of medical sciences and health care

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Person responsible for updating data

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Email

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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