Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The effect of prevention of osteoporosis education with two methods interactive multimedia and educational booklet on knowledge and self-efficacy of female high school students in Bavanat city in the -2015-2016

Protocol summary

Summary

(1) Objective: to investigate the effect of education in osteoporosis prevention with educational booklet and interactive multimedia on knowledge and self efficacy of female students in high schools in bavanat city, Fars, Iran.(2) Design: A randomized controlled trial.(3) Setting and conduct: 120 volunteers chosen and take pre-test about their knowledge and self efficacy about osteoporosis prevention . then randomly divided into two groups receiving a educational booklet and interactive multimedia and content provided is one month after receipt of content, knowledge and self efficacy final test is performed.(4) Inclusion criteria:Student studying in high schools in Bavanat city; lack of known physical and mental illness; The desire to participate in the study; Ability familiarity with computers and the possibility of the use of educational CD.(5) Exclusion criteria: History of participation in educational programs about prevention of osteoporosis; Dissuasion to participate in research at any stage of the study.(6) interventions: education by training interactive multimedia and educational booklet. (7) main outcome measures: changes in female high school students' knowledge and self efficacy about osteoporosis prevention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016022326725N1**
Registration date: **2016-04-24, 1395/02/05**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-04-24, 1395/02/05

Registrant information

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Tala Keshavarz
Name of organization / entity
Shiraz University of Medicul Science
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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Science

Expected recruitment start date

2016-03-05, 1394/12/15

Expected recruitment end date

2016-05-04, 1395/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of prevention of osteoporosis education with two methods interactive multimedia and educational booklet on knowledge and self- efficacy of female high school students in Bavanat city in the -2015-2016

Public title

The effect of prevention of osteoporosis educationt on knowledge and self- efficacy of female high school students

Purpose

Prevention

Inclusion/Exclusion criteria
Inclusion criteria: Student studying in high schools in Bavanat city; lack of known physical and mental illness; The desire to participate in the study; Ability familiarity with computers and the possibility of the use of educational CD; Exclusion criteria: History of participation in educational programs about prevention of osteoporosis; Dissuasion to participate in research at any stage of the study.
Age
No age limit
Gender
Female

Phase
2
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
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Shiraz University of Medical Sciences
Street address
Ethics Committee, seventh floor, Shiraz University of Medical Sciences, next to the Red Crescent headquarters, Zand Ave., Shiraz.
City
Shiraz
Postal code
71348-14336
Approval date
2016-02-17, 1394/11/28
Ethics committee reference number
ir.sums.rec.1394.197

Health conditions studied

1

Description of health condition studied
osteoporosis
ICD-10 code
M81.9
ICD-10 code description
Osteoporosis, unspecified

Primary outcomes

1

Description
osteoporosis self efficacy
Timepoint
Before and one month after intervention
Method of measurement
osteoporosis self efficacy scale

2

Description
osteoporosis knowledge
Timepoint
Before and one month after intervention
Method of measurement
osteoporosis knowledge test

Secondary outcomes

empty

Intervention groups

1

Description
In the intervention group a interactive multimedia of osteoporosis education given to the participants. The participants studied content for a month.
Category
Prevention

2

Description
In the control group instruction booklets of osteoporosis education will be given to the participants and studied for a month by the participants.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Bavanat city Department of Education
Full name of responsible person
Alireza Taghipoor
Street address
Bavanat city Department of Education, Imam Khomeini Street, Sorian, Bavanat

City
Bavanat

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Shiraz University of Medical Science
Full name of responsible person
Dr. Seyed Basir Hashemi
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Vice chancellor for research, seventh floor, Shiraz University of Medical Sciences, next to the Red Crescent headquarters, Zand Ave., Shiraz
City
Shiraz
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, Shiraz University of Medical Science
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
Shiraz University of Medical Science,Shiraz Hazrate Fatemeh Nursing and Midwifery college
Full name of responsible person
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Person responsible for updating data

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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