

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jun 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

Name

Tala Keshavarz

Name of organization / entity

Shiraz University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 71 3230 5410

Email address

stud5489408448@sums.ac.ir

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 education 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

zarshenas@sums.ac.ir
Web page address
nurs-midwif.sums.ac.ir

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

Street address
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
Dr Ladan Zarshenas

Position
PhD, associate professor of nursing education

Other areas of specialty/work

Street address
Hazrate Fatemeh Nursing and Midwifery college,
Namazi Square, Shiraz.

City
Shiraz

Postal code
13119-71936

Phone
+98 71 3647 4257

Fax
+98 71 3647 4252

Email

Person responsible for scientific inquiries

Contact

Name of organization / entity
Shiraz University of Medical Science, Shiraz Hazrate
Fatemeh Nursing and Midwifery college

Full name of responsible person
Dr Ladan Zarshenas

Position
PhD, associate professor of nursing education

Other areas of specialty/work

Street address
Hazrate Fatemeh Nursing and Midwifery college,
Namazi Square, Shiraz.

City
Shiraz

Postal code
71936 -13119

Phone
+98 71 3647 4257

Fax
+98 71 3647 4252

Email
zarshenas@sums.ac.ir

Web page address
nurs-midwif.sums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Shiraz University of Medical Science, Shiraz Hazrate
Fatemeh Nursing and Midwifery college

Full name of responsible person
Tala Keshavarz

Position
Nursing Graduate Student

Other areas of specialty/work

Street address
Hazrate Fatemeh Nursing and Midwifery college,
Namazi Square, Shiraz.

City
Shiraz

Postal code
13119-71936

Phone
+98 71 3647 4257

Fax
+98 71 3647 4252

Email
stud5489408448@sums.ac.ir

Web page address
nurs-midwif.sums.ac.ir

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