

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Investigating effects of breast cancer screening education based on Systematic comprehensive Health Education and Promotion model to health volunteers on women's knowledge, attitude and practice

Protocol summary

Summary

This study aimed at examining the effectiveness of breast cancer screening education based on systematic health education and promotion model (SHEP) to health volunteers on the knowledge, attitude and performance of women who attended to health care centers in Mashhad. Design: This was an interventional study with a pretest-posttest control group design. Procedure: Using a systematic random sampling 12 health volunteers and 120 women who had referred to health care centers in Mashhad were selected and were randomly assigned to control and case groups. The study was conducted in two phases. In the first phase, the health volunteers in the case group were trained on breast cancer screening based on the model for two four-hour sessions. The control group received the usual training program. Then in each health care center, 10 women were assigned to each health volunteer. Each volunteer held a 2 hour training session for her participants. Inclusion criteria for health volunteers were: a minimum age of 20 years at the baseline, having at least a high school level of education, and consent to participate in the study. Inclusion criteria for women referring to health care centers were: minimum age of 20 years at the baseline, willingness to participate in the study, and reading and writing literacy. Exclusion criteria were: discontented to continue the study, and presence of less than 30 minutes in the training session. Intervention: the intervention in this study was training intervention using SHEP model. Main outcome variables also included knowledge, attitude and performance.

General information

Acronym

SHEP

IRCT registration information

IRCT registration number: **IRCT2016050427746N1**

Registration date: **2016-07-02, 1395/04/12**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-07-02, 1395/04/12

Registrant information

Name

Shadan Nessari Ashkezari

Name of organization / entity

Mashhad University Medical of Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 3867 0542

Email address

nesarish921@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Mashhad University of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2015-12-18, 1394/09/27

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating effects of breast cancer screening education based on Systematic comprehensive Health Education and Promotion model to health volunteers on women's knowledge, attitude and practice

Public title

Breast cancer screening education

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria for health volunteers were: a minimum age of 20 years at the baseline, having at least a high school level of education, and consent to participate in the study. Inclusion criteria for women referring to health care centers were: minimum age of 20 years at the baseline; willingness to participate in the study; and reading and writing literacy. Exclusion criteria were: discontent to continue participation in the study; and the presence of less than 30 minutes in the training session.

Age

From **74 years** old to **15 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **132**

Randomization (investigator's opinion)

Randomized

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Random number table

Secondary Ids

empty

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

Ethics committee of Mashhad University of Medical Sciences

Street address

Knowledge and Health City, In the end of Shahid Fakouri Blvd., Mashhad, Iran

City

Mashhad

Postal code

9177899191

Approval date

2015-08-15, 1394/05/24

Ethics committee reference number

IR.MUMS.REC.1394.335

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

Knowledge, attitude and performance about breast cancer screening

ICD-10 code

-

ICD-10 code description

-

Primary outcomes**1****Description**

Knowledge

Timepoint

Before intervention; Immediately after intervention; One month after intervention

Method of measurement

Knowledge evaluating questionnaire

2**Description**

Attitude

Timepoint

Before intervention; Immediately after intervention; One month after intervention

Method of measurement

Attitude evaluating questionnaire

3**Description**

Practice

Timepoint

Before intervention; Immediately after intervention; One month after intervention

Method of measurement

Intend to do mammography and breast clinical examination questionnaire and a breast self examination checklist

Secondary outcomes

empty

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

Intervention group1:An 8-hours breast cancer screening workshop conformity SHEP model was conducted over 2 days for health volunteers in experimental group.

Category

Other

2**Description**

Control group1: Health volunteers in control group had their routine educational program.

Category

Other

3**Description**

Intervention group 2: A 2-hours breast cancer screening educational section based on SHEP model was performed for women in experimental group by health volunteers in experimental group.

Category

Other

4**Description**

Control group2: A 2-hours breast cancer screening educational section was performed based on Health centers routine education for women in control group by health volunteers in control group.

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Abo-bargh Health center

Full name of responsible person

Dr. Hassan Ashrafi

Street address

In the end of Vila st, Shahid Fakouri Blvd

City

Mashhad

2**Recruitment center****Name of recruitment center**

Shahid Najafi Health center

Full name of responsible person

Dr. Nahid Gazzani

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Haghshenas St, Fakour 74 St , Shahid Fakouri Blvd

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research of Mashhad University of Medical Sciences

Full name of responsible person

Dr. Mohsen Tafaghodi

Street address

Administration Center (Qoreishi Building), Daneshgah Street, Mashhad, Iran

City

Mashhad

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 Mashhad 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**

Nursing and Midwifery school

Full name of responsible person

Khadigeh Mirzaiinajmabadi

Position

Reproductive health (PhD)/ Associated professor of midwifery department

Other areas of specialty/work**Street address**

Midwifery department of nursing and midwifery school

City

Mashhad

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+98 51 3852 8512

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

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Position
Master student of midwifery
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No 54, Laleh 10 St, Shahid Fakouri 17 Ave, Haft-e Tir Blvd
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Person responsible for updating data

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Name of organization / entity
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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