Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison the effect of education using compact disk versus a Messenger Service on health literacy and using screening methods of breast cancer in middle aged Iranian women

Protocol summary

Study aim

Comparison the effect of education using compact disk versus a Messenger Service on health literacy and using screening methods of breast cancer in middle aged Iranian women

Design

In this study, 168 subjects (84 in each group) will be screened for women who are admitted to Health Center No 1 in Ahwaz. Participants will be randomly assigned a block size of 4 to two training groups via CD and training through a messenger service.

Settings and conduct

This study is a double blind randomized controlled clinical trial that will be conducted in women referred to the health center of Ahvaz. The researcher and the volunteers participating in this study will be completely unaware of being placed in each of the training groups . The method of assigning the method of teaching to randomly assigned individuals is placed by a person outside the study according to the different codes of the closed envelopes , then Allocated to any disease that is included in the study

Participants/Inclusion and exclusion criteria

Inclusion criteria :aged 59-40 ؛ having a mobile phone and installing a messenger service program for the training group with the messenger service ؛ having a CD player or computer for the CD-ROM group ؛ familiarity with the messenger service for the messenger service group ؛ The ability to read and write in Persian ؛ having poor public literacy exclusion criteria: Unwillingness to cooperate and continue research؛ pregnancy ؛ breast cancer ؛ membership in virtual groups associated with breast cancer

Intervention groups

Learning groups through the compact disk and the training group through a messenger service

Main outcome variables

health literacy ،screening methods of breast cancer

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180515039675N1**
Registration date: **2018-10-01, 1397/07/09**
Registration timing: **registered_while_recruiting**

Last update: **2018-10-01, 1397/07/09**
Update count: **0**

Registration date

2018-10-01, 1397/07/09

Registrant information

Name

Reihane Rajabi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 5551 3842

Email address

rajabi.r@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-09-23, 1397/07/01

Expected recruitment end date

2018-10-23, 1397/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
Comparison the effect of education using compact disk versus a Messenger Service on health literacy and using screening methods of breast cancer in middle aged Iranian women

Public title
Comparison the effect of education using compact disk versus a Messenger Service on health literacy and using screening methods of breast cancer in middle aged Iranian women

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Age 59-40 Having a mobile phone and installing a Messenger Service Having a CD player or computer for the CD-ROM training group Familiarity with a Messenger Service Ability to read and write in persian Having low health literacy
Exclusion criteria:
Pregnancy Breast cancer Membership in virtual groups related to breast cancer

Age
From **40 years** old to **59 years** old

Gender
Female

Phase
N/A

Groups that have been masked

- Participant
- Investigator

Sample size
Target sample size: **168**

Randomization (investigator's opinion)
Randomized

Randomization description
The method of assigning the method of teaching to individuals is randomized and random blocked blocks with block size 4 (using the table for random permutations). Educational methods used in this research according to a randomized list by a person outside the study who is not aware of the research objectives and will be placed according to the different codes of the closed envelopes, then the code of the teaching method is assigned to each person who is included in the study.

Blinding (investigator's opinion)
Double blinded

Blinding description
The researcher and the volunteers participating in this study will be unaware of the placement of subjects in each of the training groups. The method of assigning the method of teaching to people randomly and using block randomized block blocks (block 4) using the table relating to Random permutations). Educational methods used in this research according to a randomized list by a person outside the study who is not aware of the research objectives and will be placed according to the different codes of the closed envelopes, then the code of the teaching method is assigned to each person who is included in the study.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
The Ethics Committee of Ahvaz Jundishapur University of Medical Sciences and Health Services

Street address
Jundishapur University of Medical Sciences, Golestan Blvd, Ahvaz

City
Ahvaz

Province
Khouzestan

Postal code
61357-15794

Approval date
2018-08-19, 1397/05/28

Ethics committee reference number
IR.AJUMS.REC.1397.379

Health conditions studied

1

Description of health condition studied
breast cancer

ICD-10 code
Z12.3

ICD-10 code description
Special screening examination for neoplasm of breast

Primary outcomes

1

Description
health literacy

Timepoint
After the intervention and three months after the intervention

Method of measurement
Breast Cancer Specific health Literacy Scale

Secondary outcomes

1

Description
screening methods of breast cancer
Timepoint
After the intervention and three months after the intervention
Method of measurement
Demographic questionnaire

Intervention groups

1

Description
Intervention group:For 84 women with randomly assigned inclusion criteria will be given a compact disc. The content of this CD contains comprehensive information on various methods for screening breast cancer. To confirm the content of educational content, the content was prepared for 10 faculty members of the Jundishapur Nursing and Midwifery Faculty of Ahwaz and their corrective comments were considered.
Category
Prevention

2

Description
Intervention group: For 84 women with randomly assigned inclusion criteria, the same educational information available in the compact disc will be sent via a messenger service day by day for two weeks.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Health center No. 1 of Ahvaz
Full name of responsible person
Reyhaneh Rajabi Ravandi
Street address
Ahvaz Health Center، Shahid Rastegari Street، The Road to Allah Behbahani، Ahvaz
City
Ahvaz
Province
Khouzestan
Postal code
61357-15794
Phone
+98 61 3373 8331
Fax
+98 61 3373 8331
Email
rajabi.r@ajums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Dr. Mohammad Badvi
Street address
Jundishapur University of Medical Sciences,Golestan Blvd, Ahvaz
City
Ahvaz
Province
Khouzestan
Postal code
61357-15794
Phone
+98 61 3373 3383
Fax
+98 61 3373 3383
Email
rajabi.r@ajums.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz 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
Ahvaz University of Medical Sciences
Full name of responsible person
Reyhaneh Rajabi Ravandi
Position
Masters student of Midwifery
Latest degree
Bachelor
Other areas of specialty/work
Midwifery
Street address
Jundishapur University of Medical Sciences, Golestan Blvd, Ahvaz
City
Ahvaz
Province

Khouzestan

Postal code
61357-15794

Phone
+98 61 3373 8331

Email
rajabi.r@ajums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity
Ahvaz University of Medical Sciences

Full name of responsible person
Reyhaneh Rajabi Ravandi

Position
Master student of mifwifery

Latest degree
Master

Other areas of specialty/work
Midwifery

Street address
Jundishapur University of Medical Sciences, Golestan Blvd, Ahvaz

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Province
Khouzestan

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Phone
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Fax
+98 61 3373 8331

Email
rajabi.r@ajums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Ahvaz University of Medical Sciences

Full name of responsible person
Reyhaneh Rajabi Ravandi

Position
Master student of midwifery

Latest degree
Master

Other areas of specialty/work
Midwifery

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Jundishapur University of Medical Sciences, Golestan Blvd, Ahvaz

City
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Province
Khouzestan

Postal code
61357-15794

Phone
+98 61 3373 8331

Fax
+98 61 3373 8331

Email
rajabi.r@ajums.ac.ir

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