Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparing the effect of group education and multimedia software on knowledge, attitude and self-efficacy mothers about of sexual health education to the boys of between 12-14 years old

Protocol summary

Summary

This study will be conducted to investigate the effect of group trainings and multimedia softwares on mothers' knowledge, attitude and self- efficacy in making their 12-14 year-old sons aware of their sexual health in Mashhad. Convenience sampling will be performed in two stages in district 2 and 3 of ministry of education and training. In the first stage, from each district, two schools from male schools will be selected. In the second stage, 132 mothers will be randomly selected to participate based upon the intended criteria (access to computers, having 12-14 year-old sons, and having a nuclear family) exclusion criteria will be exiting from sexual health training sessions. In each school, 11 participants will be randomly assigned into multimedia, training and control groups. For multimedia group, intervention will be in the form of 4 CDs for 45 minutes, every week 1 CD will be available to mothers, and at the end of the fourth week a question-and-answer session will be administered for 60 minutes. For the training group, it will take four sessions (60 minutes in each) during once a week. The members of every group will be 11-10 people. Educational materials will be provided by the researcher using PowerPoint presentations, speeches, and questions and answers. The control group will be not received any training. Knowledge, attitude and self- efficacy variables will be measured at the beginning and 15 days after the intervention.

General information

Acronym

With a random start, based on the list students in the class (Close your eyes and put a finger with

IRCT registration information

IRCT registration number: **IRCT2016100330116N1**
Registration date: **2017-07-03, 1396/04/12**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-07-03, 1396/04/12

Registrant information

Name
Raha Rousta
Name of organization / entity
Mashhad University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 21 6664 6890
Email address
roustar931@mums.ac.ir

Recruitment status

Recruitment complete

Funding source
Mashhad University of Medical Sciences

Expected recruitment start date

2016-09-22, 1395/07/01

Expected recruitment end date

2016-11-21, 1395/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of group education and multimedia software on knowledge, attitude and self-efficacy mothers about of sexual health education to the boys of

between 12-14 years old

Public title
Sexual health education to mothers who have 12-14 years old sons.

Purpose
Prevention

Inclusion/Exclusion criteria
Entrance criteria at the beginning of the study: being Iranian; living in Mashhad ; younger than 50; able to read and write; computer accessibility and literacy; physically healthy; living with their husbands; having a 12-14 year-old son who is studying at the first level of high school. Exclusion criteria are: addiction to Smoking and alcohol; her son has been affected by sexual problems so far; have given sexual trainings to their sons, have observed such CDs in the field of sexual health working as staff of Health System or graduates of Medical Sciences, Psychology or Counseling; now suffering from mental illness or having a history of being hospitalized in the hospital due to mental health problems or taking drugs such as imipramine, diazepam, phenobarbital, chlordiazepoxide; during the 6 months ago unfortunate incident and severe stress is not occurred; The questionnaire score for DASS 21 (Depression scale) is over 21; The questionnaire score for the subsection of Anxiety scale is over 15; The questionnaire score for the subsection of Stress scale is over 26. Exclusion criteria during the study: More than a tablet is not observed; more than one meeting is absent; during the study, adverse events and stressful happened to them.

Age
To **45 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **108**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Quite randomly (Closing eyes and putting the finger on numbers) the participants will be selected; 11 Persons in the multimedia group; 11 Persons in the training group and 11 Persons in the control group will be randomly assigned into blocks with size of 3. All modes of possibilities will be considered to have 3 people equally into three groups of A, B and C. then, R will be employed to randomly select 11 blocks for each school. The lists for each school has been prepared and accordingly participants will be grouped.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Mashhad University of Medical Sciences

Street address
Daneshgah Avenue, Doktora Crossroads, Ebne sina St, School of Nursing and Midwifery

City
Mashhad

Postal code
9137913199

Approval date
2016-06-11, 1395/03/22

Ethics committee reference number
IR.mums.REC.1395.164

Health conditions studied

1

Description of health condition studied
mother Knowledge, attitude and self-efficacy about sexual health education of boys 14-12 year old

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Knowledge

Timepoint
Before and two weeks after the intervention

Method of measurement
Questionnaire Self-made

2

Description
Attitude

Timepoint
Before and two weeks after the intervention

Method of measurement
Questionnaire Self-made

3

Description
self-efficacy

Timepoint
Before and two weeks after the intervention

Method of measurement
Questionnaire Self-made

Secondary outcomes

1

Description
Knowledge boys
Timepoint
Before and two weeks after the intervention
Method of measurement
questionnaire Self-made

2

Description
Attitude boys
Timepoint
Before and two weeks after the intervention
Method of measurement
questionnaire Self-made

Intervention groups

1

Description
The control group will be not received any training and only will be participated in the pre-test and post-test.
Category
Other

2

Description
For group Multimedia, 4 CDs will be designed and every week 1 CD-ROM will be put available to them. The first session; CD 1 (videos, animations, audio and text) regarding relationships with teens (45 min) will be handed to mothers, and explanations about how to use it will be provided. Then, three days later the participants will be called to make sure they have watched the CD, and will be asked to refer to the research center to get another CD. This procedure will be repeated for the next discs (CD2, maturity; CD3, sexual behavior; CD4, sexual health). At the end of the fourth week, the intervention group will be gather at school and question and answer session will be run for 60 minutes. Mothers will be asked to speak about to issues of CDs with his children and 15 days later the post-test will be administered.
Category
Other

3

Description
Group trainings sessions will be held once per week. Each group will be consisted of 11-10 people and four 60-minute sessions will be considered with the content of sexual health education (relationship with teens; maturity; Sexual behavior and sexual health) that will be included in CDs. Researcher will be handed all the materials to the mothers by PowerPoint presentations; lectures (45 minutes); question and answer (15 minutes). Mothers will be asked to speak about to issues of CDs with their sons and 15 days later post-tests will be held.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Shahid Hebrani School
Full name of responsible person
Mr Jedi
Street address
Shahid Saberi Boulevard, Bahar Avenue
City
Mashhad

2

Recruitment center
Name of recruitment center
khalij Fars School
Full name of responsible person
Mr Ashoori
Street address
1 Malek Abad Boulevard
City
Mashhad

3

Recruitment center
Name of recruitment center
Gadir Payam Shahed School
Full name of responsible person
Mr Sadeghi
Street address
9 Emam Reza Aveniue
City
Mashhad

4

Recruitment center
Name of recruitment center
Hastei Shohada School
Full name of responsible person
Mr Farabi
Street address
7 Danesh Gharbi Avenue
City
Mashhad

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research assistance of Mashhad University of

Medical Sciences

Full name of responsible person
Moohsen Tafaghodi

Street address
Research and technology assistance Mashhad University of Medical Sciences, next to Hoveyzeh Cinema, Daneshgah Avenue

City
Mashhad

Grant name
--

Grant code / Reference number
--

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Research assistance 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
Mashhad University of Medical Sciences

Full name of responsible person
Dr Khadijeh Mirzaii

Position
Reproductive Health Ph.D.

Other areas of specialty/work

Street address
School of Nursing and Midwifery, Ebne Sina Street, Doktora Crossroads, Daneshgah Avenue

City
Mashhad

Postal code
9137913199

Phone
+98 51385915113

Fax
+98 51 3859 7313

Email
k.mirzaii@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Mashhad University of Medical Sciences

Full name of responsible person
Dr khadijeh Mirzaii

Position
Reproductive Health Ph.D.

Other areas of specialty/work

Street address
School of Nursing and Midwifery, Ebne Sina Street, Doktora Crossroads, Daneshgah Avenue

City
Mashhad

Postal code
9137913199

Phone
+98 51385915113

Fax
+98 518597313

Email
k.mirzaii@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity
Mashhad University of Medical Sciences

Full name of responsible person
Raha Rousta

Position
Graduate student midwifery Consultation

Other areas of specialty/work

Street address
School of Nursing and Midwifery, Ebne Sina Street, Doktora Crossroads, Daneshgah Avenue

City
Mashhad

Postal code
9137913199

Phone
+98 51385915113

Fax
+98 51 3859 7313

Email
roustar931@mums.ac.ir; rousta.raha66@gmail.com

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