Clinical Trial Protocol
Iranian Registry of Clinical Trials
14 Jul 2020

The effect of education of sexual health promotion package on sexual dysfunction and sexual quality of life in multiple sclerosis women: designed from the results of a mixed-method study

Protocol summary

Study aim
The effect of education of sexual health promotion package on sexual dysfunction and sexual quality of life in multiple sclerosis women

Design
This study is a randomized controlled clinical trial, and 72 women with multiple sclerosis will be randomly assigned into two intervention and control groups.

Settings and conduct
In this study, 72 married women with multiple sclerosis who referred to Iranian MS Society after obtaining informed consent will be randomly assigned into intervention and control groups. In the intervention group, sexual health education and counseling will be provided in 6 sessions, and no education or counseling will be provided to the control group.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Married women with multiple sclerosis, age of 18 to 50 years old; having sexual dysfunction (selecting “often” or “always” options in at least one question from the MSISQ-19); having sexual activity during the last six months; EDSS <7; have no severe depression or severe fatigue. Exclusion criteria: Other acute and chronic diseases; being at the stage of recurrence or disease attack and receiving other treatments for sexual dysfunction.

Intervention groups
Multiple sclerosis women in the intervention group will receive Face-to-Face sexual health education and counseling in six sessions -90 minutes during six weeks through lecture, Question-Answer method and role-play. The sexual health promotion package was designed after several stages of quantitative and qualitative research, experts panel, and then searching in the literature. Women in the control group will not receive any intervention by the research team during the study.

Main outcome variables
Sexual dysfunction with Multiple Sclerosis Intimacy and Sexuality Questionnaire-19 (MSISQ-19) and sexual quality of life with sexual quality of life-female (SQOL-F) questionnaire.

General information

Reason for update
The word of "sexual function" was changed to "sexual dysfunction". This change was made because of the MSISQ-19 measures "sexual dysfunction" and it was mentioned by mistake. It should be noted that during the implementation process, no change was made in the study structure and only the word of "sexual function" was changed to "sexual dysfunction". Also, in order to examine the effect of the intervention more closely, another follow-up was added 1 month after the intervention, and the follow-up times changed to immediately, 1 month, and 2 months after the intervention.

Acronym

IRCT registration information
IRCT registration number: IRCT20190721044292N1
Registration date: 2019-09-01, 1398/06/10
Registration timing: prospective

Last update: 2020-04-27, 1399/02/08
Update count: 1

Registration date
2019-09-01, 1398/06/10

Registrant information
Name
Vida Ghasemi
Name of organization / entity
Iran (Islamic Republic of)
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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2019-09-06, 1398/06/15

Expected recruitment end date
2020-01-05, 1398/10/15

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of education of sexual health promotion package on sexual dysfunction and sexual quality of life in multiple sclerosis women: designed from the results of a mixed-method study

Public title
The effect of sexual health education on sexual dysfunction and sexual quality of life in women with multiple sclerosis

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Iranian Age of 18 to 50 years old Being married Confirmed diagnosis of MS by a neurologist based on McDonald’s criteria Have sexual activity during the last six months In a stage of the disease, that is possible for her to perform routine activities including having a sexual relationship with her spouse (EDSS <7) Not pregnant or breastfeeding Selecting “often” or “always” options in at least one question from the MSISQ-19 Have no severe depression or severe fatigue (score less than 29 in the BDI-II and score less than 5/1 in the FSS)

Exclusion criteria:
Being at the stage of recurrence or disease attack Have other acute and chronic disease Receiving any kind of treatment for sexual dysfunction

Age
From 18 years old to 50 years old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 72

Randomization (investigator's opinion)
Randomized

Randomization description
Randomization will be done by using random numbers in Excel software (Rand () function).

Blinding (investigator's opinion)
Not blinded

Blinding description
Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
easy

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Shahid Beheshti University of Medical Sciences

Street address
Shahid Beheshti University of Medical Sciences., Arabi Ave., Daneshjoo Blvd., Velenjak.

City
Tehran

Province
Tehran

Postal code
1983963113

Approval date
2018-02-26, 1396/12/07

Ethics committee reference number
IR.SBMU.PHNM.1396.1003

Health conditions studied

1

Description of health condition studied
Multiple Sclerosis

ICD-10 code
G35

ICD-10 code description
Multiple sclerosis

Primary outcomes

1

Description
Sexual dysfunction

Timepoint
Before the intervention, immediately after the intervention, one and two months after the intervention

Method of measurement
Multiple Sclerosis Intimacy and Sexuality Questionnaire-19 (MSISQ-19)

2

Description
Sexual Quality of life
Timepoint
Before the intervention, immediately after the intervention, one and two months after the intervention.

Method of measurement
sexual quality of life-female (SQOL-F) questionnaire

Secondary outcomes
empty

Intervention groups

1

Description
Women with multiple sclerosis in the intervention group will receive Face-to-Face sexual health education in six sessions -90 minutes for 6 weeks with lecture, question-and-answer, and role-playing methods. The sexual health promotion package was designed in 6 steps. 1- Identifying the related factors of sexual dysfunction of these women in a cross-sectional study, 2- Conducting a qualitative study to explaining sexual dysfunction and its related factors in women with MS by conducting interviews with patients and key informants includes psychologists, neurologists, reproductive health, ecologists, and a spouse, 3- Integrating quantitative and qualitative results using the side-by-side method, 4- Designing sexual health promotion strategies in these patients based on Integration results and literature review, 5- Prioritizing these strategies in an experts panel 6-Using these strategies in designing a sexual health promotion package. These packages are based on the patients' needs and include content for patients to learn about and deal with the psychological, physical, sexual symptoms of the disease that affect on improving sexual function, as well as education the communication and negotiation skills with the spouse, problem-solving, education and counseling to enhance sexual intimacy, progressive muscle relaxation, self-esteem, etc.

Category
Behavior

2

Description
Control group: Women in the control group will not receive any intervention by the research team during the study. This group will attend a one-day sex education workshop and receive a sexual health education package.

Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Iranian MS Society
Full name of responsible person

Vida Ghasemi

Street address
Iran MS Society, Shams Street, Vesal Shirazi Avenue, Enghelab Square, Tehran, Iran

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1416864731
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Seyyed ali ziaei
Street address
Shahid Beheshti University of Medical Sciences, Arabi Ave., Daneshjoo Blvd., Vele.njak
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Grant name
Grant code / Reference number

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

Title of funding source
Shahid Beheshti 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
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Vida Ghasemi  
**Position**  
PhD student  
**Latest degree**  
Master  
**Other areas of specialty/work**  
Reproductive Health  
**Street address**  
School of Nursing and Midwifery, Shahid Beheshti University of Medical Sciences, Niayesh Intersection, Vali-e-Asr street,  
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**Person responsible for updating data**

**Contact**

**Name of organization / entity**  
Shahid Beheshti University of Medical Sciences  
**Full name of responsible person**  
دکتر معلومه سیمر  
**Position**  
Professor  
**Latest degree**  
Ph.D.  
**Other areas of specialty/work**  
Reproductive Health  
**Street address**  
School of Nursing and Midwifery, Shahid Beheshti University of Medical Sciences, Niayesh intersection, Vali-e-Asr street,  
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Tehran  
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Msimbar@gmail.com

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

Yes - There is 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**

Yes - There is 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

**Title and more details about the data/document**

We can share information about the main outcome. The data will spread unknown.

**When the data will become available and for how long**

The data will be available 6-12 months after publishing the results.

**To whom data/document is available**

Researchers in academic institutes were allowed to access data

**Under which criteria data/document could be used**

With stating the reference.

**From where data/document is obtainable**

Sending email to corresponding author through: Msimbar@gmail.com

**What processes are involved for a request to access data/document**

An application letter must include the name of the applicant, used item, the scientific title of the research project or article.

**Comments**