

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Feb 2026

### Study and comparison of the effect of a combined oral capsule containing lemon balm and fennel on sexual function and sexual satisfaction in postmenopausal women

#### Protocol summary

##### Study aim

General Objective: To determine and investigate the effect of a combined oral capsule containing lemon balm and fennel on sexual function and sexual satisfaction in menopausal women.

##### Design

A controlled, parallel-group, triple-blind, phase 3 clinical trial randomized by simple random number table on 88 postmenopausal women. R software is used for randomization.

##### Settings and conduct

Study location: Shahid Beheshti Traditional Medicine School and one of the comprehensive health service centers in North Tehran How to conduct: The researcher, by visiting the mentioned places and finding the samples he needs according to the criteria, invites the samples to a meeting and after giving full and comprehensive explanations and with the informed consent of the samples, starts sampling and first delivers the questionnaires and then the sealed medicine packets to the samples and monitors them for 2 months. The researcher, the sample and the statistical consultant; all 3 are blind in this study.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: 1) At least one year has passed since their menstrual cycle stopped. 2) The postmenopausal woman and her husband are sexually active. 3) The postmenopausal woman's husband does not have sexual dysfunction. Exclusion criteria: 1) Possible side effects of the capsules 2) Unwillingness to continue treatment, such as stopping taking the capsules for 3 consecutive days or a non-consecutive week

##### Intervention groups

The study was designed to investigate the effectiveness of a combined oral capsule of fennel and lemon balm on sexual function and satisfaction in menopausal women. 88 menopausal women were divided into two groups:

intervention and control. They used this capsule for 2 months. The results and observations were analyzed based on questionnaires filled out by the samples.

##### Main outcome variables

Sexual function; sexual satisfaction

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20250417065363N1**

Registration date: **2025-05-15, 1404/02/25**

Registration timing: **registered\_while\_recruiting**

Last update: **2025-05-15, 1404/02/25**

Update count: **0**

##### Registration date

2025-05-15, 1404/02/25

##### Registrant information

##### Name

Shamim Naghibinezhad

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2670 2259

##### Email address

sh.naghibinezhad@sbmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2025-05-05, 1404/02/15

##### Expected recruitment end date

2025-07-23, 1404/05/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Study and comparison of the effect of a combined oral capsule containing lemon balm and fennel on sexual function and sexual satisfaction in postmenopausal women

**Public title**

The effect of Phenalis oral capsules on sexual function and satisfaction in postmenopausal women.

**Purpose**

Supportive

**Inclusion/Exclusion criteria****Inclusion criteria:**

Be Iranian. Must be at least literate. Not have hearing, speech, or mental disorders that prevent communication with the researcher. At least one year has passed since their menstruation stopped. Do not use herbal teas while taking the medication. Not wanting or needing to use hormone replacement therapy. she doesnt use chemical or herbal medicine for their treatment. Postmenopausal women and their partners should be sexually active. The husband of a menopausal woman, according to her statements, does not have sexual dysfunction (erectile dysfunction, ejaculation). she has not undergone hysterectomy, oophorectomy, cystocele, rectocele, or mastectomy. Postmenopausal women and their spouses (self-reported spouses) should not have a known mental illness. Not be addicted to cigarettes or drugs. Have not recently used antidepressants or anti-anxiety medications. They should not have a history of known chronic diseases such as diabetes, high blood pressure, asthma, immune system disorders, etc. There should be no specific event or incident that constitutes a crisis in their lives, such as the death of a loved one, a terminal illness in a family member, or a change of residence. Have no history of allergy to medicinal plants.

**Exclusion criteria:**

Possible side effects of the capsules Unwillingness to continue treatment, such as stopping taking the capsule for 3 consecutive days or a non-consecutive week.

**Age**

From **45 years** old

**Gender**

Female

**Phase**

3

**Groups that have been masked**

- Participant
- Investigator
- Data analyser

**Sample size**

Target sample size: **88**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Sampling is done conveniently based on the study entry criteria and the samples are assigned to the control and intervention groups by simple randomization method based on a randomization list. The randomization list is prepared using R software and will be given confidentially by the statistical consultant to the pharmacist.

**Blinding (investigator's opinion)**

Triple blinded

**Blinding description**

After grouping the samples into the sample and control groups, assigning a code to each individual, and coding the medication packets, the pharmacist will hand over the coded medication packets to the researcher and the intervention will begin. Coding will be done by the pharmacist in the laboratory of Shahid Beheshti Faculty of Medicine. Therefore, the researcher, the research samples, and the statistical consultant will not know the contents of the packets.

**Placebo**

Used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

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

Research Ethics Committee of the Faculties of Pharmacy, Nursing and Midwifery, Shahid Beheshti Unive

**Street address**

Faculty of Nursing and Midwifery, Ayatollah Hashemi Rafsanjani Highway Intersection, Vali Asr Street, Tehran Town.

**City**

Tehran

**Province**

Tehran

**Postal code**

1996835119

**Approval date**

2024-05-27, 1403/03/07

**Ethics committee reference number**

IR.SBMU.PHARMACY.REC.1403.017

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

Sexual function and sexual satisfaction

**ICD-10 code****ICD-10 code description**

## Primary outcomes

### 1

#### Description

Sexual function score in Female Sexual Function Index questionnaire

#### Timepoint

At the beginning of the study, 2 and 3 months after the end of the intervention

#### Method of measurement

Women's Sexual Function Index Questionnaire

### 2

#### Description

Sexual satisfaction score on the Larson Sexual Satisfaction Questionnaire

#### Timepoint

At the beginning of the study, 2 and 3 months after the end of the intervention

#### Method of measurement

Larson Sexual Satisfaction Questionnaire(LSSQ)

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Intervention group: Oral capsule containing fennel and lemon balm. Manufactured by the Traditional Medicine and Medical Supplies Research Center of Shahid Beheshti University of Medical Sciences. The capsule contains 2 grams of fennel extract (in powder form) and 2 grams of lemon balm extract (in powder form). The samples should take 2 capsules daily, one on an empty stomach and the other before bedtime, for two consecutive months.

#### Category

Treatment - Drugs

### 2

#### Description

Control group: Control group: Oral capsule containing starch powder. (The control capsule package has the same color, smell and shape as the medicine) Manufactured by the Traditional Medicine and Medical Supplies Research Center, Shahid Beheshti University of Medical Sciences. The method and duration of placebo consumption is also similar to the original drug. (Two capsules daily, one on an empty stomach and one before bedtime for 2 consecutive months)

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

سلامتکده طب سنتی وابسته به دانشگاه علوم پزشکی شهید بهشتی

##### Full name of responsible person

Dr. Sajjad Sadeghi

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Vali Asr Street

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##### Province

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1516745811

##### Phone

+98 21 8877 3521

##### Email

sitm@sbmu.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Shahid Beheshti University of Medical Sciences

##### Full name of responsible person

Dr.sepide hajian

##### Street address

Shahid Beheshti School of Nursing and Midwifery, In front of Shahid Rajaei Heart Hospital, Ayatollah Hashemi Rafsanjani Highway Intersection, Vali asr street, Tehran town.

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##### Phone

+98 21 8820 2512

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s.hajian@sbmu.ac.ir

#### 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**  
Shamim Naghibinezhad  
**Position**  
Student  
**Latest degree**  
Master  
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Midwifery  
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## Person responsible for scientific inquiries

### Contact

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## Person responsible for updating data

### Contact

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Shahid Beheshti University of Medical Sciences  
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## Sharing plan

### Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

### Justification/reason for indecision/not sharing IPD

Because the data was collected under specific conditions for the thesis, it cannot be used in other studies.

### Study Protocol

No - There is not 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

No - There is not 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

No - There is not a plan to make this available