

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of pollen Capsules on the sexual function of infertile couples referring to the infertility clinic of Jahrom city in 2019

Protocol summary

Study aim

Determining the effect of pollen on sexual function of infertile couples

Design

A clinical trial with a control and randomization group based on the number table, with parallel and double-blind groups of phase 2, will be performed on 128 people.

Settings and conduct

This double-blind randomized controlled trial (participants and researcher) will be performed on 128 infertile women and their husbands referred to Jahrom Infertility Clinic. In the intervention group, 300 mg capsule of date pollen capsule will be given daily for one month and in the same way to the placebo control group. One month later, the questionnaire will be completed and compared again by the participants.

Participants/Inclusion and exclusion criteria

infertile women who have not had a history of pregnancy after 12 months of intercourse without the use of contraceptives. Be married and have sex at least once a month, be Iranian, have a basic education, be between the ages of 15 and 49, have not experienced any traumatic or stressful events in the last six months, have no history of hypothyroidism and chronic diseases that affect performance Be sexually effective, addicted to drugs and smoking by the research unit or his wife, allergies to pollen and other medicinal plants

Intervention groups

The experimental group of pollen-date plant diet with a dose of 300 mg in capsules will be given for one month. The control group will be given a placebo capsule at a dose of 300 mg for one month.

Main outcome variables

Sexual desire, sexual arousal, orgasm, relationship satisfaction, intercourse pain, general sexual function in infertile women. Erectile function, desire, orgasm, sexual satisfaction, general satisfaction in infertile women

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200925048834N1**

Registration date: **2020-10-07, 1399/07/16**

Registration timing: **retrospective**

Last update: **2020-10-07, 1399/07/16**

Update count: **0**

Registration date

2020-10-07, 1399/07/16

Registrant information

Name

Fateme sadat Hosseini

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 71 5433 1521

Email address

ftm.hosseini25@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-12-22, 1398/10/01

Expected recruitment end date

2020-03-15, 1398/12/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of pollen Capsules on the sexual function of infertile couples referring to the infertility clinic of Jahrom city in 2019

Public title

The effect of pollen Capsules on the sexual function of infertile couples

Purpose

Prevention

Inclusion/Exclusion criteria**Inclusion criteria:**

Infertile women who have not been pregnant for one year without using any infertility prevention device. Getting married and having sex at least once a month Be Iranian Have basic literacy (reading and writing) Women in research units ranging in age from 15 to 49 years.

Exclusion criteria:

Experience some unfortunate or stressful events in the last six months by the research unit or its spouse Having a history of hypothyroidism and chronic diseases that affect the sexual function of infertile women and their husbands Drug and smoking addiction by the research unit or his / her spouse Allergy to plants and other medicinal plants

Age

From **15 years** old to **49 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Care provider

Sample size

Target sample size: **128**

Randomization (investigator's opinion)

Randomized

Randomization description

Sampling was done by simple random allocation method, a table of random numbers was used to select the units. In this method, first the list of names of all infertile women is obtained, then each of them is assigned a score or number and using The required number of units was selected from the table of random numbers. And 64 couples were placed in each group. The study design will be parallel and both groups will be examined for sexual function. Double blind was also used in this study.

Blinding (investigator's opinion)

Double blinded

Blinding description

It was a double-blind method in which the subjects (participants) and observers did not know who was in which group.

Placebo

Used

Assignment

Parallel

Other design features

There is no case

Secondary Ids

empty

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

Ethics committee of Jahrom University of Medical science

Street address

Jahrom university of medical science, motahari blvd , jahrom

City

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Province

Fars

Postal code

7414846199

Approval date

2019-10-09, 1398/07/17

Ethics committee reference number

IR.JUMS.REC.1398.049

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

sexual function

ICD-10 code

F52.9

ICD-10 code description

Unspecified sexual dysfunction, not caused by organic disorder or disease

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

sexual function

Timepoint

Before the intervention and after the end of the one-month period of capsule use

Method of measurement

male sexual function questionnaires and female sexual function questionnaire

Secondary outcomes

empty

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

Experimental group: Diet-pollen (pure) plant diet with a dose of 300 mg in capsules, will be given for one month

before the intervention, male sexual function questionnaires will be given to husbands and female sexual function questionnaire will be given to infertile women. One month during the phone call and follow-up questionnaire will be given to individuals to complete the data.

Category

Prevention

2**Description**

The control group of placebo at a dose of 300 mg daily in capsules will be given for one month before the intervention. Men's sexual function questionnaires will be given to husbands and women 's sexual function questionnaires will be given to infertile women. Questionnaires will be given to individuals to complete the data

Category

Prevention

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

Infertility Clinic of Jahrom city

Full name of responsible person

Safieh Jamali

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janbazan blvd.

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

Jahrom University of Medical Sciences

Full name of responsible person

Kavous Sahljoo

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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

Jahrom 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**

Jahrom University of Medical Sciences

Full name of responsible person

Safieh Jamali

Position

Faculty of Jahrom University of Medical Sciences

Latest degree

Master

Other areas of specialty/work

Gynecology and Obstetrics

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

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Person responsible for updating data

Contact

Name of organization / entity

Jahrom University of Medical Sciences

Full name of responsible person

Fateme Hosseini

Position

Medical student(intern)

Latest degree

A Level or less

Other areas of specialty/work

Gynecology and Obstetrics

Street address

Jahrom. Jahrom university of medical science

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

There is no more information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available