# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

08 Jun 2026

## Comparing the Efficacy of Bupropion and Ritaline on women Sexual Dysfunction Induced by serteralin)

### Protocol summary

**Study aim**
Comparison of two bupropion releasing agents and ritalin in reducing sexual dysfunction in women aged 20-45 years Candidate treatment with sertraline

**Design**
This is a one-way blind clinical trial.Two randomized groups of 25 patients are prescribed separately for each group.In each visit, the Arizona questionnaire is filled up by the researcher for the patient

**Settings and conduct**
Clinic of Yahyanejad and Rouhani hospitals who are candidates for psychiatric diagnosis receive one of the SSRIs (Sertralin) and according to the Arizona questionnaire there is no sexual dysfunction for them.

**Participants/Inclusion and exclusion criteria**
Women aged 20 to 45 years, according to psychiatric diagnosis, are candidates for one of the SSRIs (sertralin), and according to the Arizona questionnaire, they have no sexual dysfunction. The men were excluded from these exclusion criteria: history of any previous sexual dysfunction over the last 6 months Major depression, drug users and cigarettes or herbal medicines for the treatment of sexual dysfunction, the development of chronic illnesses that are being treated, such as diabetes, Liver or kidney disease, cardiovascular disease (through interviews), and those who do not adhere to the protocol were excluded.

**Intervention groups**
25 female patients aged 20 to 45 years undergoing bupropion medication with sertraline treated with sexual dysfunction 25 female patients aged 20 to 45 years undergoing ritaline medication with sertraline treated with sexual dysfunction

**Main outcome variables**
Sexual dysfunction

### General information

**Reason for update**

**Acronym**
.

**IRCT registration information**
IRCT registration number: **IRCT20170606034348N2**
Registration date: **2018-09-19, 1397/06/28**
Registration timing: **retrospective**

Last update: **2018-09-19, 1397/06/28**
Update count: **0**

**Registration date**
2018-09-19, 1397/06/28

**Registrant information**
**Name**
**Name of organization / entity**
**Country**
Iran (Islamic Republic of)
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+98 913 121 3171
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**Recruitment status**
**Recruitment complete**

**Funding source**

**Expected recruitment start date**
2018-04-09, 1397/01/20

**Expected recruitment end date**
2018-08-23, 1397/06/01

**Actual recruitment start date**
empty

**Actual recruitment end date**
empty

**Trial completion date**
empty

**Scientific title**
Comparing the Efficacy of Bupropion and Ritaline on women Sexual Dysfunction Induced by serteralin)

**Public title**
the Efficacy of Bupropion and Ritaline
**Purpose**
Treatment
**Inclusion/Exclusion criteria**
**Inclusion criteria:**
Female patient aged 20 to 45 years undergoing treatment with sertraline
**Exclusion criteria:**
History of any previous sexual dysfunction Consumers of any drugs and cigarettes or herbal medicines Previous chronic diseas
**Age**
From **20 years** old to **45 years** old
**Gender**
Female

**Phase**
1-2
**Groups that have been masked**

- Investigator
- Data analyser

**Sample size**
Target sample size: **50**
**Randomization (investigator's opinion)**
Randomized
**Randomization description**
Patients were selected by convenience sampling method. 50 eligible participants were randomly divided into two groups of Bupropion treatment and Ritaline treatment. A randomized trial was conducted using binary random blocks. More precisely, accidental collisions were arranged Patients were enrolled in a pre-designed list that was randomly prescribed for one patient (Bupropion or Ritalin), so that the prescriber was not informed about the prescription drug (unilateral blindness).
**Blinding (investigator's opinion)**
Single blinded
**Blinding description**
The researcher will fill out the questionnaire on each visit, without any kind of medication
**Placebo**
Not used
**Assignment**
Parallel
**Other design features**
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## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**
**Name of ethics committee**
Ethics Committee Of Babol University Of Medical Science
**Street address**
Yahya Nejad Hospital Ave
**City**
Babol
**Province**
Mazandaran
**Postal code**
4713566547
**Approval date**
2018-01-20, 1396/10/30
**Ethics committee reference number**
MUBABOL.HRI.REC.1396.165

## Health conditions studied

### 1

**Description of health condition studied**
Sexual dysfunction
**ICD-10 code**
F52
**ICD-10 code description**
Sexual dysfunction not due to a substance or known physiological condition

## Primary outcomes

### 1

**Description**
Score of sexual dysfunction in Arizona Sexual Experiences Scale questionnaire
**Timepoint**
.End of one month after treatment begins
**Method of measurement**
Arizona Sexual Experiences Scale is a short 5-point scale that evaluates sexual performance, especially sexuality, arousal, orgasm's ability to achieve orgasm during the next week. Arizona Sexual Experiences Scale, a tool for assessing sexual misconduct due to side effects of drug interventions in patients with depression or anxiety disorder, is filled by a person in charge of the research.

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
"Intervention group 1": In female patients aged 20 to 45 years with sertraline treatment that has been associated with sexual dysfunction during treatment with this drug, Ritalin tablet (methylphenidate) from Novartis Pharmaceutical company at a dose of 5 mg one hour before sex (PRN) It is prescribed for one month.
**Category**
Placebo

**2**

**Description**
"Intervention group 2": Female patients aged 20 to 45 years with sertraline treatment who have had a sexual dysfunction during the treatment; the Bupropion (wellban) tablet from the Abidi Pharmaceutical Company at a dose of 150 mg daily (evening) for one month is prescribed.
**Category**
Treatment - Drugs

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
Yahyanejad Hospital And Rohani Hospital
**Full name of responsible person**
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## Sponsors / Funding sources

**1**

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**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
No
**Title of funding source**
Vice Chancellor for research and technology, Babol 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**
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**Latest degree**
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**Latest degree**

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## 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