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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a.hamidia@mubabol.ac.ir

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
.

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
Haghpanah Fahimeh
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Babol University of Medical Sciences
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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
Name of organization / entity
Babol University of Medical Sciences
Full name of responsible person
Angela Hamidia
Position
Asssistant Professor
Latest degree
Specialist
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Person responsible for scientific inquiries

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Person responsible for updating data

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Name of organization / entity

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Angela Hamidia

Position

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Latest degree

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Other areas of specialty/work

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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