Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of bupropion and S citalopram efficacy on depressive symptoms after coronary artery bypass graft surgery

Protocol summary

Study aim
Comparison of bupropion and S citalopram efficacy on depressive symptoms after coronary artery bypass graft surgery at rouhani hospital, Babol in 1398

Design
A randomized clinical trial without control group, with parallel groups, 100 patients randomly divided into two groups of 50 subjects with block sizes of 4 and 6.

Settings and conduct
The population of this study who referred to Ayatollah Rouhani Hospital in Babol. Intervention group 1: Treatment with bupropion (Abidi Co) started at 75 mg and gradually increased to 150 mg daily Intervention group 2: Treatment with S citalopram (Abidi Co) at a dose of 5 mg and gradually increased to a dose of 20 mg daily.

Participants/Inclusion and exclusion criteria
Inclusion Criteria:Coronary artery bypass graft surgery, Willingness to participate in the study Exclusion Criteria:Patient with cognitive impairment, Mental retardation, History of substance use, Bipolar disorder

Intervention groups
Intervention group 1: Treatment with bupropion (Abidi Co) started at 75 mg and gradually increased to 150 mg daily Intervention group 2: Treatment with Sitalopram (Abidi Co) at a dose of 5 mg and gradually increased to a dose of 20 mg daily.

Main outcome variables
patient´s depressive condition

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20190525043700N2**
Registration date: **2020-07-25, 1399/05/04**
Registration timing: **registered_while_recruiting**
Last update: **2020-07-25, 1399/05/04**
Update count: **0**

Registration date
2020-07-25, 1399/05/04

Registrant information

Name
Romina Hamzehpour

Name of organization / entity

Country
Iran (Islamic Republic of)

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+98 11 3229 1951

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2020-03-15, 1398/12/25

Expected recruitment end date
2020-09-15, 1399/06/25

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of bupropion and S citalopram efficacy on depressive symptoms after coronary artery bypass graft surgery

Public title
Treatment of depressive symptoms in patients after coronary artery bypass graft surgery

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Coronary artery bypass graft surgery Willingness to participate in the study
Exclusion criteria:
Patient with cognitive impairment Mental retardation History of substance use Bipolar disorder

Age
No age limit

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **100**

Randomization (investigator's opinion)
Randomized

Randomization description
The patients divided randomly with Throw coins into two groups of 50 subjects with four and six blocks and an allocation ratio of 1: 1.The participants allocation sequence in two groups performed with a Randomizer software.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
The Ethics Committee of Babol University of Medical Sciences

Street address
Babol University of Medical Sciences, Daneshgah Square, Ganjafrooz Avenue

City
Babol

Province
Mazandaran

Postal code
4717647745

Approval date
2020-03-14, 1398/12/24

Ethics committee reference number
IR.MUBABOL.HRI.REC.1398.347

Health conditions studied

1

Description of health condition studied
Depression

ICD-10 code
F32.0

ICD-10 code description
Major depressive disorder, single episode, mild

Primary outcomes

1

Description
patient´s depressive condition

Timepoint
Before intervention (first visit) ,the end of the fourth week (second visit),the end of the eighth week (third visit)

Method of measurement
Beck Depression Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group1: Treatment with bupropion (Abidi Co) started at 75 mg and gradually increased to 150 mg daily

Category
Treatment - Drugs

2

Description
Intervention group2: Treatment with S citalopram (Abidi Co) at a dose of 5 mg and gradually increased to a dose of 20 mg daily.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Ayatollah Rouhani Hospital

Full name of responsible person
Saeeideh Eshghi

Street address
Ayatollah Rouhani Hospital, Daneshgah Square, Ganjafrooz Avenue

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Babol University of Medical Sciences
Full name of responsible person
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rezaghadimi@yahoo.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
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
Romina Hamzehpour
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Psychiatrics
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Person responsible for updating data

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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
No more information
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