

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 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 Hamzhepour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 11 3229 1951

Email address

r.hamzhepour@mubabol.ac.ir

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

Saeideh Eshghi

Street address

Ayatollah Rouhani Hospital, Daneshgah Square, Ganjafrooz Avenue

City

Babol

Province

Mazandaran

Postal code
4713566547
Phone
+98 11 3233 8301
Email
r.hamzhepour@mubabol.ac.ir

Ayatollah Rouhani Hospital, Daneshgah Square,
Ganjafrooz Avenue

City
Babol
Province
Mazandaran
Postal code
4713566547
Phone
+98 11 3233 8301
Email
r.hamzhepour@mubabol.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Babol University of Medical Sciences
Full name of responsible person
Reza Ghadimi
Street address
Babol University Of Medical Sciences, Daneshgah
Square, Ganjafrooz Avenue
City
Babol
Province
Mazandaran
Postal code
4713566547
Phone
+98 11 3219 7667
Email
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 Hamzhepour
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Psychiatrics
Street address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Babol University of Medical Sciences
Full name of responsible person
Romina Hamzhepour
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Psychiatrics
Street address
Ayatollah Rouhani Hospital, Daneshgah Square,
Ganjafrooz Avenue
City
Babol
Province
Mazandaran
Postal code
4713566547
Phone
+98 11 3233 8301
Email
r.hamzhepour@mubabol.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Babol University of Medical Sciences
Full name of responsible person
Romina Hamzhepour
Position
Assistant
Latest degree
Specialist
Other areas of specialty/work
Psychiatrics
Street address
Ayatollah Rouhani Hospital, Daneshgah Square,
Ganjafrooz Avenue
City
Babol
Province
Mazandaran
Postal code

4713566547

Phone

+98 11 3233 8301

Email

r.hamzhepour@mubabol.ac.ir

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