

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jun 2026

Investigation the effects of Citalopram on the level of change in the alpha and theta brain waves of patient with major depressive disorder referred to Farshchian hospital, Hamadan

Protocol summary

Summary

objective: this study would be done to investigate the effects of citalopram treatment on the level of change in the alpha and theta brain waves of patient with major depressive disorder referred to farshchian hospital, hamadan methods: 30 cases available random sampling of patients referred to the psychiatric ward after checking of the include and exclude criteria's on the basis of the criterion of the Diagnostic and Statistical Manual of mental disorders 4th edition will be selected. Inclusion criteria's are only pure major depressive disorders that receive only citalopram and they don't have any suicidal ideation. They are not post partum depression and they were not substance abuser in one year ago. Exclusion criteria's are death, don't like to continue and drug side effects. At first the scores of Hamilton depression scale plus scores in Quantitive ElectroEncephalography for all patients will be achieved. Then patients would be receiving for two months citalopram with a dose of 20-40 mg daily. Again they will response to Hamilton depression scales also their changes in level of alpha and theta will be record. Then the results of the pre and post test will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201203049202N1**
Registration date: **2012-04-25, 1391/02/06**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-04-25, 1391/02/06

Registrant information

Name

Boshra Rahimi

Name of organization / entity

Hamedan University Of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Research Center For Behavioral Disorders And Substances Abuse Of Hamedan University Of Medical Sciences

Expected recruitment start date

2012-04-08, 1391/01/20

Expected recruitment end date

2013-04-08, 1392/01/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation the effects of Citalopram on the level of change in the alpha and theta brain waves of patient with major depressive disorder referred to Farshchian hospital, Hamadan

Public title

the effects of citalopram on brain waves of patients with major depressive disorder

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria:the patient doesn't have another psychiatric diseases;the patient doesn't have any medical problem;the patient doesn't have history of epilepsy; the patient doesn't percept another antidepressant drugs;the patient isn't postpartum depression;the patient doesn't have treatment with ECT in three months ago;the patient doesn't have any material or psychiatric drugs abuse in 1 year ago;the patient doesn't have suicidal idea exclusion criteria:if patient is dead;if patient has any side effect of the drug;if patient don't like to continue

Age

No age limit

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Unit Of Hamadan University Of Medical Sciences

Street address

Hamadan University Of Medical Sciences, Shahid Fahmide Street, Hamedan

City

hamadan

Postal code

65178

Approval date

2011-08-27, 1390/06/05

Ethics committee reference number

d-p-16-35-9-1730

Health conditions studied

1

Description of health condition studied

major depressive disorder

ICD-10 code

f30-f39

ICD-10 code description

Mood [affective] disorders

Primary outcomes

1

Description

major depressive disorder

Timepoint

before intervention & 2 months after intervention

Method of measurement

hamilton depression rating scale

Secondary outcomes

1

Description

response to treatment

Timepoint

2 months after intervention

Method of measurement

hamilton depression rating scale

Intervention groups

1

Description

citalopram 20- 40 mg oral once in day for 2 months

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Psychiatric Clinic Of Hamadan Farshchian Hospital

Full name of responsible person

Boshra Rahimi

Street address

Farshchian Hospital, Honarestan Ave, Hamadan

City

hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Center For Behavioural Disorders And

Substances Abuse Of Hamadan University Of Medical Scie

Full name of responsible person

dr heidar tavilani

Street address

Medical University, Opposite To Mardom Park, Shahid Fahmide Street, Hamadan

City

hamadan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Research Center For Behavioural Disorders And Substances Abuse Of Hamadan University Of Medical Scie

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Hamadan University Of Medical Sciences

Full name of responsible person

Boshra Rahimi

Position

Resident of psychiatry

Other areas of specialty/work

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty