

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Effect of Buprenorphine and Bupropion in the reduction of cannabis craving

Protocol summary

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Summary

The goal of this study is to compare buprenorphine with bupropion in reduction of cannabis craving. In this trial 40 inpatients will be selected and by random numbers table will be divided to two groups (each group has 20 patients). Each group receives buprenorphine or bupropion for a period of two weeks. We evaluate the craving of patients by interview and questionnaire every day to find more effective medication. Inclusion criteria: Age between 18 to 50, they are free to participate in the study, patient's major substance use must be cannabis. Exclusion criteria: Patients unwilling to participate at beginning or during the study, use of another substance except cannabis as main substance.

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research, Shiraz University of Medical Sciences

Expected recruitment start date

2016-04-20, 1395/02/01

Expected recruitment end date

2017-02-18, 1395/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016040525160N3**

Registration date: **2016-07-30, 1395/05/09**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-07-30, 1395/05/09

Registrant information

Name

Jamshid Ahmadi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3627 3070

Email address

Scientific title

Effect of Buprenorphine and Bupropion in the reduction of cannabis craving

Public title

Effect of Buprenorphine and Bupropion in the reduction of hashish craving

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age between 18 to 50; They are free to participate in the study, patient's major substance use be cannabis Exclusion criteria: Patients unwilling to participate at beginning or during the study, use of another substance except cannabis as of the main substance.

Age

From **18 years** old to **50 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

Randomization (investigator's opinion)

Randomized

Randomization description

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

Ethics committee of Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Science, Zand Blvd

City

Shiraz

Postal code

7194634786

Approval date

2015-12-13, 1394/09/22

Ethics committee reference number

IR.SUMS.REC.1394.166

Health conditions studied

1

Description of health condition studied

Cannabis Dependency

ICD-10 code

F12

ICD-10 code description

Mental and behavioural disorders due to use of cannabinoids

Primary outcomes

1

Description

craving

Timepoint

daily for 2 weeks

Method of measurement

questionnaire and interview

Secondary outcomes

empty

Intervention groups

1

Description

Intervention 1: Buprenorphine 4 mg per day for 2 weeks

Category

Treatment - Drugs

2

Description

Intervention 2: Bupropion 150 mg per day for 2 weeks

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ebne Sina Hospital

Full name of responsible person

Jamshid Ahmadi M.D.

Street address

Ebne Sina Hospital, Hafez Street

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Shiraz University of Medical Sciences

Full name of responsible person

Seyed Basir Hashemi

Street address

Vice Chancellor for Research, Shiraz University of Medical Sciences, Zand Blvd,

City

Shiraz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Shiraz University of Medical Sciences

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
Shiraz University of Medical Science
Full name of responsible person
Jamshid Ahmadi M.D.
Position
Professor of Psychiatry, Director of Substance Abuse
and Mental Health Research Center
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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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