

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

Comparing the Efficacy of Adding Buprenorphine with Placebo in Reducing Craving in Methamphetamine Dependent Patients during Treatment with Matrix Model

Protocol summary

Summary

We investigated the efficacy of adding Buprenorphine or placebo in reducing the usage tendency in methamphetamine-dependent patients during treatment with Matrix program. Inclusion criteria include men and women age 18-40 years old who were diagnosed with methamphetamine dependency according to DSM-IV criteria and exclusion criteria include a current neurological or axis I psychiatric disorders not due to substance abuse that would impair ability to participate safely in the study and subjects who met DSM-IV criteria for opiates dependence. The 40 subjects were selected from patients who referred to Addiction Treatment Center of Isfahan Noor hospital to attend meetings of matrix program during 2012 to 2013. After screening the subjects were participated in matrix program and randomly were divided into two groups of Buprenorphine and placebo. A 4-months program of intervention was arranged for each group and they were visited by a psychiatrist every two weeks. Buprenorphine began at a dose of 2 mg per day and increased to 6 mg within 7 days (3 sublingual tablets) and this amount continued for 4 months. The craving was assessed by Cocaine Craving Questionnaire-Brief (CCQ-Brief) at screening and every 2 weeks.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201406017841N6**

Registration date: **2014-06-06, 1393/03/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-06-06, 1393/03/16

Registrant information

Name

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Name of organization / entity

Psychiatric group, Isfahan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences, Behavioral Sciences Research Center

Expected recruitment start date

2012-01-01, 1390/10/11

Expected recruitment end date

2013-10-01, 1392/07/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the Efficacy of Adding Buprenorphine with Placebo in Reducing Craving in Methamphetamine Dependent Patients during Treatment with Matrix Model

Public title

Comparing of Buprenorphine with Placebo in Reducing Methamphetamine Craving

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: men and women age 18–40 years old; diagnosed with methamphetamine dependency according to DSM-IV criteria; informed acceptance to comply with study procedures. Exclusion criteria: severe medical illness that would impair the ability to participate safely in the study; a current neurological or axis I psychiatric disorders not due to substance abuse (e.g., schizophrenia, dementia) that would impair ability to participate safely in the study; current pregnancy or nursing in women; current serious suicidal intention or plan; more than 3 times elevation of AST and ALT at screening; subjects who met DSM-IV criteria for opiates dependence.

Age

From **18 years** old to **40 years** old

Gender

Both

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)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Isfahan University of Medical Sciences

Street address

Hezar jerib Street

City

Isfahan

Postal code

Approval date

2011-12-17, 1390/09/26

Ethics committee reference number

8/3127/3

Health conditions studied

1

Description of health condition studied

Methamphetamine Dependency

ICD-10 code

F15.2

ICD-10 code description

Mental and behavioural disorders due to use of other stimulants, including caffeine. Dependence syndrome

Primary outcomes

1

Description

Methamphetamine Craving

Timepoint

At screening and every 2 weeks up to 4 months

Method of measurement

Cocaine Craving Questionnaire-Brief (CCQ-Brief)

Secondary outcomes

1

Description

Vomiting

Timepoint

At screening and every 2 weeks up to 4 months

Method of measurement

History and Physical examination

2

Description

Dyspepsia

Timepoint

At screening and every 2 weeks up to 4 months

Method of measurement

History and Physical examination

3

Description

Drowsiness

Timepoint

At screening and every 2 weeks up to 4 months

Method of measurement

History and Physical examination

Intervention groups

1

Description

Intervention group: Buprenorphine sublingual tab began at a dose of 2 mg per day and increased to 6 mg within 7 days (3 sublingual tablets) and this amount continued for 4 months.

Category

Treatment - Drugs

2

Description

Control group: A placebo with similar medicinal form to buprenorphine which is in sublingual form, began and continued for 4 months.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Psychiatric Drug Treatment Center, Emergency and Clinic of Noor Hospital

Full name of responsible person

Ali Reza Emadossadati

Street address

Ostandari street, Noor Hospital

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences, Behavioral Sciences Research Center

Full name of responsible person

Dr Abas Atari

Street address

Ostandari Street, Noor Hospital

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Isfahan University of Medical Sciences, Behavioral Sciences Research Center

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

Isfahan University of Medical Sciences, Department of Psychiatry

Full name of responsible person

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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