

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jul 2026

Clinical trial Comparison of Computer Assisted Cognitive Rehabilitation therapy on craving of male opiate user under methadone therapy

Protocol summary

Summary

The aim of this study was to examine the efficacy of computer assisted cognitive rehabilitation (CACR) treatment as a complementary treatment of opiate craving on patient with substance use disorder. Thirty opiate users above 18, which received outpatient methadone therapy, participate in this study. They randomly assigned in two equal groups: CACR treatment for experimental group and no intervention for control group. The experimental group received 15 sessions of CACR treatment via Caption's log software and the control group received no intervention. Participants in both groups was assessed for working memory, craving, impulsivity, delay discounting and risky decision making at base line and one week after treatment completion.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016091029774N1**

Registration date: **2017-10-21, 1396/07/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-21, 1396/07/29

Registrant information

Name

Zahra Bagheri

Name of organization / entity

Institute of Cognitive Science Studies

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Zanjan university of medical science, medical college

Expected recruitment start date

2015-07-23, 1394/05/01

Expected recruitment end date

2015-08-01, 1394/05/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial Comparison of Computer Assisted Cognitive Rehabilitation therapy on craving of male opiate user under methadone therapy

Public title

Efficacy of Cognitive Rehabilitation Therapy on addiction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: opiate user; age above 18; diagnosed of addiction disorder according to a psychiatrist; current treatment with methadone therapy; having at least 8 years education. Exclusion criteria: history of traumatic brain injury; other psychological disorder in active faze or addiction disorder induced from other psychological or physical disorder.

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked
No information

Sample size
Target sample size: 30

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 Zanjan University of medical science

Street address

Central office of Zanjan University of medical science, jomhori eslami bulvar, azadi Square, Zanjan

City

Zanjan

Postal code

Approval date

2015-07-28, 1394/05/06

Ethics committee reference number

zums.rec.1394.80

Health conditions studied

1

Description of health condition studied

Addiction disorder

ICD-10 code

F11.3

ICD-10 code description

Mental and behavioural disorders due to use of opioids withdrawal state

Primary outcomes

1

Description

Craving

Timepoint

Before intervention, after intervention

Method of measurement

Desires for Drug Questionnaire, The Obsessive

Compulsive Drug Use Scale

2

Description

Working memory

Timepoint

Before intervention, one week after intervention

Method of measurement

Working Memory Test software

Secondary outcomes

1

Description

Decision making ability

Timepoint

Before intervention, one week after intervention

Method of measurement

IOWA gambling test

2

Description

Delay discounting ability

Timepoint

Before intervention, one week after intervention

Method of measurement

MCQ

3

Description

Impulsivity ability

Timepoint

Before intervention, one week after intervention

Method of measurement

Barratt Impulsivity Scale contains

Intervention groups

1

Description

Intervention 1: cognitive rehabilitation therapy of working memory with Caption's log cognitive rehabilitation therapy software in 15 session, 3 times a week for 5 week (each session took 30 minutes).

Category

Rehabilitation

2

Description

Intervention 2: with out intervention.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Addiction medicine clinic in Dr.Shahid Beheshti
educational Hospital of Zanjan

Full name of responsible person

zahra bagheri

Street address

Ark square,Besat street

City

zanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Zanjan University of
Medical Sciences

Full name of responsible person

AliReza SHoghli

Street address

Central office of Zanjan University of medical
science,Jomhori eslami bulvar, Azadi Square

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Zanjan

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, Zanjan 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

Zanjan University of Medical Science

Full name of responsible person

Doctor Mazyar Peyda

Position

Vice chancellor for research,Zanjan University of
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Other areas of specialty/work

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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