

# 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)

###### Phone

+98 21 7629 1130

##### Email address

bagheri\_z@iricss.org

##### 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

**City**

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  
medical science

**Other areas of specialty/work**

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Institute for Cognitive Science Studies

**Full name of responsible person**

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**Position**

Master of science

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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*