

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

Role of Attentional Bias Modification to Drug Related-Stimuli with and without Reinforcement and Punishment in Decreasing Related-Components with Addiction in Abstinent Drug Abusers

Protocol summary

Study aim

Determine the effect of two methods of attentional bias modification and attentional bias modification with reinforcement and punishment in reducing attentional bias, pre-attentional bias, craving and danger of relapse

Design

Statistical population: Abstinent drug users Sample size: 60 participants Clinical experiment with control group, with parallel group, one-side blinded, randomised

Settings and conduct

Ahvaz city One-side blinded by dot-probe placebo

Participants/Inclusion and exclusion criteria

At least drug intake once in week at six months, to detoxify or not use any alternative preservative treatment, such as methadone or bupronorphine, to pass at least two weeks after the beginning of the abstinence period without relapse and not getting disturbed psychotic spectrum or other clinical disorders that disrupts the process of research

Intervention groups

Control group: Dot-probe placebo Attentional bias modification group: Dot-probe for attentional bias modification Attentional bias modification whit reinforcement and punishment: Dot-probe for attentional bias modification whit reinforcement and punishment

Main outcome variables

Reduce in attentional bias, pre-attentional bias, craving and relapse in experimental groups

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180628040267N1**

Registration date: **2018-07-28, 1397/05/06**

Registration timing: **retrospective**

Last update: **2018-07-28, 1397/05/06**

Update count: **0**

Registration date

2018-07-28, 1397/05/06

Registrant information

Name

Ali Nowrouzi

Name of organization / entity

Shahid Chamran University of Ahvaz

Country

Iran (Islamic Republic of)

Phone

+98 71 3233 6911

Email address

a.nowrouzi.s@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-09-01, 1396/06/10

Expected recruitment end date

2017-11-21, 1396/08/30

Actual recruitment start date

2017-09-01, 1396/06/10

Actual recruitment end date

2017-11-21, 1396/08/30

Trial completion date

empty

Scientific title

Role of Attentional Bias Modification to Drug Related-Stimuli with and without Reinforcement and Punishment in Decreasing Related-Components with Addiction in Abstinent Drug Abusers

Public title

Role of Attentional Bias Modification in Addiction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Intake drug at least once per week in last six months
Detoxifying or not using any alternative preservative treatment such as methadone or buprenorphine To pass at least two weeks from the beginning of abstinent period without relapse
Absence of psychotic spectrum disorders or other clinical disorders that may be detrimental to the process of research

Exclusion criteria:

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **60**

Actual sample size reached: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Individual simple randomization by random numbers table

Blinding (investigator's opinion)

Single blinded

Blinding description

Participant blinding

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shahid Chamran university of Ahvaz

Street address

Shahid Chamran university of Ahvaz, University square, Ahvaz

City

Ahvaz

Province

Khuzestan

Postal code

7134776671

Approval date

2018-07-01, 1397/04/10

Ethics committee reference number

260

Health conditions studied

1

Description of health condition studied

Addiction

ICD-10 code

Z63.72

ICD-10 code description

Alcoholism and drug addiction in family

Primary outcomes

1

Description

Attentional bias

Timepoint

Days: 1, 4, 34

Method of measurement

Dot-probe task

2

Description

Pre-attentional bias

Timepoint

Days: 1, 4, 34

Method of measurement

Dot-probe task

3

Description

Craving

Timepoint

Days: 1, 4, 34

Method of measurement

Brief substance craving scale by Somoza

4

Description

Relapse

Timepoint

Day: 34

Method of measurement

One question

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: Attentional bias modification by dot-probe task in 2 consecutive days that each time containing 10 pairs of words and 10 pairs of images, that each stimulus was repeated 4 times, in total 80 trials

Category

Treatment - Other

2

Description

Intervention group 2: Attentional bias modification with reinforcement and punishment by dot-probe task in 2 consecutive days that each time containing 10 pairs of words and 10 pairs of images, that each stimulus was repeated 4 times, in total 80 trials that correct answers were reinforced and wrong answers were punished.

Category

Treatment - Other

3

Description

Control group: Dot-probe task placebo in 2 consecutive days that each time containing 10 pairs of words and 10 pairs of images, that each stimulus was repeated 4 times, in total 80 trials and the design of the task was similar to the assessment phase

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Chamran university of Ahvaz

Full name of responsible person

Ali Nowrouzi

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Sponsors / Funding sources

1

Sponsor

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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

Shahid Chamran university of Ahvaz

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Shahid Chamran University of Ahvaz

Full name of responsible person

Ali Nowrouzi

Position

Ph.D Student

Latest degree

Ph.D.

Other areas of specialty/work

Psychology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available