

# 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

**Street address**

Shahid Chamran university of Ahvaz, University square, Ahvaz

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**Postal code**

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a.nowrouzi.s@gmail.com

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Shahid Chamran university of Ahvaz

**Full name of responsible person**

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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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## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

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## Person responsible for updating data

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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