

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of trans cranial direct stimulation on game carving in computer game addicted boys at the age of 14-20 years old

Protocol summary

Summary

The goal of this study is the evaluation of trans-cranial direct stimulation on carving in computer gaming among addicted boys at the age of 14-20 years. Inclusion criteria: having game addiction disorder based on DSMV criteria; not having any other psychiatric disorders. Subjects will be assigned into two intervention and control groups (N=15 in each group) using random number table. Members of intervention group will receive trans-cranial direct stimulation through ten 20-minute sessions. Sessions will be run 5 days a week (from Saturday to Wednesday) for two weeks. For control group, the tDCS device will be turned up to 2 mA for 30 s, then slowly ramped-down to 0 mA through one minute and then it will be turned off for the rest of the time. The visual analogue scale will be used to examine changes in craving of subjects before and after the intervention. Primary outcome measure in this study is craving.

General information

Acronym

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IRCT registration information

IRCT registration number: **IRCT2016112131008N1**

Registration date: **2017-01-10, 1395/10/21**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-01-10, 1395/10/21

Registrant information

Name

Roya Delpazirian

Name of organization / entity

Institute for Cognitive Science Study

Country

Iran (Islamic Republic of)

Phone

+98 21 2274 2458

Email address

delpazirian_r@iricss.org

Recruitment status

Recruitment complete

Funding source

Behjoo Brain Center

Expected recruitment start date

2016-12-30, 1395/10/10

Expected recruitment end date

2017-01-19, 1395/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of trans cranial direct stimulation on game carving in computer game addicted boys at the age of 14-20 years old

Public title

The effect of transcranial stimulation on game addiction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Males between 14-20 years old with game craving, selected according to DSMV. No other psychiatric disorders based on SCL90. Exclusion criteria :If any one will absent for more than 2 sessions, he gets out of the study.

Age

From **14 years** old to **20 years** old

Gender

Male

Phase

2

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

Randomization will be performed by Random number table which has many numbers. Even numbers will be for intervention group, and odd numbers will be for control group.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tehran University of Medical Sciences

Street address

No.23, Before Pour Sina St, 16th Azad St, Keshavarz Blvd. tel:00982166419661

City

Tehran

Postal code

-

Approval date

2016-11-05, 1395/08/15

Ethics committee reference number

IR.TUMS.VCR.REC.1395.1125

Health conditions studied

1

Description of health condition studied

Addictive Behavior

ICD-10 code

-

ICD-10 code description

-

Primary outcomes

1

Description

Craving

Timepoint

before intervention, immediately after intervention

Method of measurement

Visual Analog Scale

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group: Members of this group will receive trans-cranial direct stimulation through ten 20-minute sessions. Sessions will be run 5 days a week (from Saturday to Wednesday) for two weeks.

Category

Treatment - Other

2

Description

Control group; For control group, the tDCS device will be turned up to 2 mA for 30 s, then slowly ramped-down to 0 mA through one minute and then it will be turned off for the rest of the time.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Tehran Gamenet Centers

Full name of responsible person

-

Street address

-

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Behjoo Brain Center

Full name of responsible person

Dr.Peyman Abharian

Street address

No.1020, Sattarkhan st, First Sadeghiye Square, Tehran

City

Tehran

Grant name

-

Grant code / Reference number

-

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

Yes

Title of funding source

Behjoo Brain 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**

Behjoo Brain Center

Full name of responsible person

Dr.Peyman Abharian

Position

PhD in Cognitive Neuroscience

Other areas of specialty/work**Street address**

No.1020, Sattarkhan st, First Sadeghiye Square,
Tehran

City

Tehran

Postal code

-

Phone

+998 2144057301

Fax

-

Email

abharian1972@yahoo.com

Web page address

-

Person responsible for scientific inquiries**Contact****Name of organization / entity**

Behjoo Brain Center

Full name of responsible person

Dr.Peyman Abharian

Position

PhD in Cognitive Neuroscience

Other areas of specialty/work**Street address**

No.1020, Sattarkhan st, First Sadeghiye Square,
Tehran

City

Tehran

Postal code

-

Phone

+98 21 4405 7301

Fax

-

Email

abharian1972@yahoo.com

Web page address

-

Person responsible for updating data**Contact****Name of organization / entity**

Behjoo Brain Center

Full name of responsible person

Dr.Peyman Abharian

Position

PhD in Cognitive Neuroscience

Other areas of specialty/work**Street address**

No.1020, Sattarkhan st, First Sadeghiye Square,
Tehran

City

Tehran

Postal code

-

Phone

+98 214405301

Fax

-

Email

abharian1972@yahoo.com

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