

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

The effect of neurofeedback training on aggression and impulsivity in elementary boy students with attention deficit / hyperactivity disorders

Protocol summary

Study aim

This research aimed to investigate the effect of neurofeedback training on aggression and impulsivity in elementary boy students with attention deficit / hyperactivity disorder.

Design

Totally from between elementary boy students with attention deficit / hyperactivity disorder 40 students were selected through available sampling method and randomly assigned to two equal group (each group 20 person).

Settings and conduct

The statistical population included all elementary boy students with attention deficit / hyperactivity disorder that referred to counseling centers of Pakdasht city in 2016 year.

Participants/Inclusion and exclusion criteria

Inclusion criteria were included lack of mental retardation, significant drop in one of the areas of education, no disorder caused by brain damage, cutting the score of attention deficit / hyperactivity disorder and exclusion criteria were included absence of more than two sessions at the same time receiving treatment was another.

Intervention groups

Intervention of this research was neurofeedback training that 12 sessions of 60 minutes educated to experimental group and the control group was put on a waiting list for training.

Main outcome variables

The primary consequence of this research was increasing health of elementary school boys with attention deficit / hyperactivity disorder and decreasing aggression and impulsivity of elementary school boys with attention deficit / hyperactivity disorder

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160717028964N2**
Registration date: **2018-01-09, 1396/10/19**
Registration timing: **prospective**

Last update: **2018-01-09, 1396/10/19**

Update count: **0**

Registration date

2018-01-09, 1396/10/19

Registrant information

Name

Pooria Sarvghadi

Name of organization / entity

Faculty of Rehabilitation, Shahid Beheshti University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 51 3502 3238

Email address

sarvghadi.pooria@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Personal expenses

Expected recruitment start date

2018-01-17, 1396/10/27

Expected recruitment end date

2018-03-18, 1396/12/27

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of neurofeedback training on aggression and impulsivity in elementary boy students with attention deficit / hyperactivity disorders

IR.MUMS.SM.REC.1396.548

Public title

neurofeedback on aggression and impulsivity

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

the absence of mental retardation Having an age of 6-12 years

Exclusion criteria:

having learning disorders taking medication or receiving other therapies at the same time

Age

From **6 years** old to **12 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Randomized

Randomization description

participants replaced with random numbers table in the experimental and control groups

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 Mashhad University of Medical Sciences

Street address

Mashhad, Mashhad University of Medical Sciences

City

Mashhad

Province

Razavi Khorasan

Postal code

9179646731

Approval date

2017-11-22, 1396/09/01

Ethics committee reference number**Health conditions studied****1****Description of health condition studied**

Attention deficit / hyperactivity disorders

ICD-10 code

F99

ICD-10 code description

Mental disorder, not otherwise specified

Primary outcomes**1****Description**

aggression and impulsivity

Timepoint

2 month

Method of measurement

questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

neurofeedback training to intervention group: Neurofeedback training to intervention group was 12 sessions of 60-minute that was conducted individually and in cooperation with the accompaniment of Neurotrapyst

Category

Rehabilitation

2**Description**

The control group will be on a waiting list in case of a positive result for their use of neurofeedback

Category

Rehabilitation

Recruitment centers**1****Recruitment center****Name of recruitment center**

Counseling Centers of Pakdasht

Full name of responsible person

Jamal Ashoori

Street address

Number 9, Alley Almahdi 4, St. Shohadaye School, City Pishva, Tehran

City

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jamal_ashoori@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Deputy of Research of Mashhad University of Medical Sciences

Full name of responsible person
Jamal Ashoori

Street address
Number 9, Alley Almahdi 4, St. Shohadaye School, City Pishva, Tehran

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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
Deputy of Research of Mashhad University of Medical Sciences

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
Islamic Azad University of Isfahan (Khorasgan)

Full name of responsible person
Jamal Ashoori

Position
Ph.D.

Latest degree

Ph.D.

Other areas of specialty/work

Psychology

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Person responsible for scientific inquiries

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Person responsible for updating data

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Fax**Email**

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Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

Keeping the IPD deidentified has been our policy as we have declared it in our informed consent forms, seen and signed by our patients.

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

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

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

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

Data Dictionary

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

Title and more details about the data/document

all collected deidentified IPD can be shared.

When the data will become available and for how long

The findings of this research project are going to be submitted for publication within the next year probably with a title such as: "Efficacy of Neurofeedback Training on Aggression and Impulsivity in Male Elementary School Children with Attention Deficit/Hyperactivity Disorder"

To whom data/document is available

The published data will be available online. We will also be ready to share the raw deidentified individual participant data for further cumulative studies as well.

Under which criteria data/document could be used

When necessary, the raw deidentified IPD can be shared for registered researches such as Meta-analyses.

From where data/document is obtainable

Enquiries from registered research projects for raw deidentified IPD can be sent to the following Email: sarvghadi.pooria@sbmu.ac.ir

What processes are involved for a request to access data/document

The raw deidentified IPD can be Emailed once the enquiries from registered research projects are double confirmed with the corresponding registry.

Comments