

# 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)

##### Phone

+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

Pakdasht  
**Province**  
Tehran  
**Postal code**  
3381938455  
**Phone**  
+98 21 3673 0498  
**Email**  
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  
**City**  
Pishva  
**Province**  
Tehran  
**Postal code**  
3381938455  
**Phone**  
+98 21 3673 0498  
**Email**  
jamal\_ashoori@yahoo.com  
**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

#### Street address

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

#### City

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#### Province

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#### Postal code

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#### Phone

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#### Fax

#### Email

jamal\_ashoori@yahoo.com

#### Web page address

## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Islamic Azad University of of Isfahan (Khorasgan) Branch

##### Full name of responsible person

Jamal Ashoori

##### Position

Ph.d

##### Latest degree

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##### Email

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## Person responsible for updating data

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**Province**

Tehran

**Postal code**

3381938455

**Phone**

+98 21 3673 0498

**Fax****Email**

jamal\_ashoori@yahoo.com

**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**