

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Comparison of the effectiveness of cognitive rehabilitation and cognitive rehabilitation after medication on the brain functions of children with ADHD in Ahvaz

Protocol summary

Study aim

The Comparison of the Effectiveness of Cognitive Rehabilitation and Cognitive Rehabilitation after Pharmacology on Brain Executive Functions in Children with ADHD Disorder in Ahvaz

Design

The cluster sampling method was a research in the two groups of cognitive rehabilitation intervention and cognitive rehabilitation group after drug therapy (parallel). They were compared with the control group.

Settings and conduct

This research was carried out in schools and educational counseling center of Ahvaz district 3.

Participants/Inclusion and exclusion criteria

Having an ADHD disorder with counseling and psychiatrist diagnosis.

Intervention groups

A group that is diagnosed with cognitive rehabilitation after the diagnosis of a disorder. A group that includes cognitive rehabilitation program after counseling, referral to a psychiatrist, and drug use.

Main outcome variables

The main consequence of this intervention was the positive effects of cognitive rehabilitation combined with drug use.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181107041591N1**

Registration date: **2019-02-26, 1397/12/07**

Registration timing: **retrospective**

Last update: **2019-02-26, 1397/12/07**

Update count: **0**

Registration date

2019-02-26, 1397/12/07

Registrant information

Name

seyedhamidreza seyedmohammadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 3551 3731

Email address

boxinghamid@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-10-12, 1396/07/20

Expected recruitment end date

2018-02-20, 1396/12/01

Actual recruitment start date

2017-10-12, 1396/07/20

Actual recruitment end date

2018-04-16, 1397/01/27

Trial completion date

2018-05-05, 1397/02/15

Scientific title

Comparison of the effectiveness of cognitive rehabilitation and cognitive rehabilitation after medication on the brain functions of children with ADHD in Ahvaz

Public title

Comparison of the Effectiveness of Cognitive Rehabilitation and Cognitive Rehabilitation after Drug Therapy on Brain Executive Functions

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Students identified as having an ADHD disorder as a consultant and researcher. Students who were referred to psychiatrists for examination and prescription after being diagnosed as counselors and psychologists.

Exclusion criteria:

Children who were collectively under the medication and rehabilitation program. Children who did not have the ability to answer questionnaire questions.

Age

From **9 years** old to **12 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **45**

Actual sample size reached: **45**

Randomization (investigator's opinion)

Randomized

Randomization description

Sample groups were selected using multistage cluster random sampling. First, from the four education districts of Ahvaz city, in the draw, district 3 was selected and from all elementary school students of that area, among all children who were diagnosed with hyperactivity / lack of attention during the first trimester of the semester The first academic year from 97 to 96 years old was referred to Ahvaz 3rd District Consultation and Psychological Services Center (consultation core); the Conners questionnaire was implemented, and among all of these people with the diagnosis of ADHD, 45 persons were selected. 15 of them randomly entered the cognitive rehabilitation program, and 15 of the children who received medication for at least three months were assigned to the cognitive rehabilitation group after medication. 15 patients were considered as control group.

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 AHVAZ University of Medical

Sciences

Street address

Ahvaz. Farhangshahr. Kargar gharbi

City

Ahvaz

Province

Khuzestan

Postal code

6183873169

Approval date

2019-01-02, 1397/10/12

Ethics committee reference number

IR.IAU.AHVAZ.REC.1397.008

Health conditions studied

1

Description of health condition studied

Adhd disorder

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

ADHD

Timepoint

Before and after the implementation of the rehabilitation and rehabilitation program after drug therapy and 1.5 months after the last session of the follow-up session.

Method of measurement

Straightforward cropping test questionnaire, B and C tracking test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Under the cognitive rehab program, students are trained and tested using the Cortex Rehabilitation Package and in 12 rehabilitation sessions.

Category

Rehabilitation

2

Description

A group of about 3 months of diagnosis of ADHD disorder by the past psychiatrist who was taking the medication and who was treated with cognitive rehabilitation after having undergone treatment.

Category

Treatment - Drugs

3

Description

Control group: Control group: No treatment program.

Category

N/A

Recruitment centers

1

Recruitment center**Name of recruitment center**

Ahvaz schools and counseling center

Full name of responsible person

Alireza Sheikh Najdi

Street address

Corner of the street is Kafi, Abadan Four ways

City

AHVAZ

Province

Khouzestan

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6183873175

Phone

+98 61 3553 1007

Email

BOXINGHAMID@GMAIL.COM

Sponsors / Funding sources

1

Sponsor**Name of organization / entity**

Islamic Azad University of Ahvaz

Full name of responsible person

Dr. Behnam Makvandi

Street address

No.7, 7th St., Padad shahr

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Province

Khouzestan

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Email

MAKVANDI_B@yahoo.COM

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Islamic Azad University of Ahvaz

Proportion provided by this source

100

Public or private sector

Private

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 Ahvaz

Full name of responsible person

Seyed Hamid Reza Seyed Mohammadi

Position

Education employee

Latest degree

Master

Other areas of specialty/work

Psychology

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Person responsible for scientific inquiries

Contact**Name of organization / entity**

Islamic Azad University of Ahvaz

Full name of responsible person

seyed Hamid Reza Seyed Mohammadi

Position

Employee

Latest degree

Master

Other areas of specialty/work

Psychology

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Person responsible for updating data

Contact

Name of organization / entity

Islamic Azad University of Ahvaz

Full name of responsible person

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Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

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

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All information will be given.

When the data will become available and for how long

I do not have access to the results 6 months after printing and other conditions.

To whom data/document is available

All interested and specialist

Under which criteria data/document could be used

I do not have access to the results 6 months after printing and other conditions.

From where data/document is obtainable

Refer to myself and my email

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

boxinghamid@gmail.com 09165090269 Get started 6 months after printing results.

Comments

Thank you