Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 Ahwaz

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

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Province

Khouzestan

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
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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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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 updating data

Contact

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Other areas of specialty/work
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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