Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

The effect of Parent and Child Perceptual-Motor Practices Together on Cognitive, Motor and behavioral Skills of Children with Attention Deficit / Hyperactivity Disorder

Protocol summary

Study aim

Determine the impact of parent-child perceptual motor activities on cognitive and motor skills, and behavioral problems in children with attention deficit hyperactivity disorder.

Design

The study has two experimental groups (maternal and child practice) and Active control group (mother and child practice apart from each other). Sample size 36 children with (ADHD) will be randomly divided into two equal groups. Randomization will be based on Random allocation software.

Settings and conduct

The study will be conducted at the bed stadium in Shahin Shahr city in Isfahan province. At first, calls were made. Then, people who had arrival conditions were randomly divided into two groups. The participants and data analyzes are selected from the type of intervention and evaluator of a person outside the team and are blind compared to the type of intervention and which groups are blind.

Participants/Inclusion and exclusion criteria

Earning a score above 34 in the Conners Questionnaire and the approval of hyperactivity deficit disorder (ADHD) by psychiatric of entry conditions. Children who have any physical, sensory, motor, psychic symptoms and related drugs are lack of entry.

Intervention groups

Intervention group : In this group, 18 children with (ADHD) with their mothers and with high interaction for 24 sessions of 45 minutes to perceptual exercises involving identifying different directions, static balance and dynamic balance; Coordination movements; Get and send the ball; Sports games, trampolins and targeted gestures. Active control group: In this group, 18 children with (ADHD) simultaneously with their mothers, as well as separate motor practice similar to the intervention group 1.

Main outcome variables

Child Behavior Checklist (CBCL); Bruininks-Oseretsky Test of Motor Proficiency; Stroop Test; Gerrard’s Parent-Child Relationship Inventory (PCRI),

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200804048299N1**
Registration date: **2021-08-04, 1400/05/13**
Registration timing: **prospective**

Last update: **2021-08-04, 1400/05/13**
Update count: **0**

Registration date

2021-08-04, 1400/05/13

Registrant information

Name

Marziyeh Jafari

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-08-11, 1400/05/20

Expected recruitment end date

2021-08-27, 1400/06/05

Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The effect of Parent and Child Perceptual-Motor Practices Together on Cognitive, Motor and behavioral Skills of Children with Attention Deficit / Hyperactivity Disorder

Public title
The effect of Perceptual-Motor Practices with Presence of Mother on Hyperactive Children
Purpose
Supportive
Inclusion/Exclusion criteria
Inclusion criteria:
Earning a score higher than 34 in the Conners questionnaire and the detection of attention deficit hyperactivity disorder by psychiatric The age range is 30-40 years.
Exclusion criteria:
Children with any obvious, sensory, motor disorders, psychotic symptoms disagree Parents Use related medication
Age
From **7 years** old to **10 years** old
Gender
Female

Phase
N/A
Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size
Target sample size: **36**
Randomization (investigator's opinion)
Randomized
Randomization description
For randomization, simple method and Random allocation software are used.
Blinding (investigator's opinion)
Double blinded
Blinding description
The study will be double blind. Participants are blinded by the type of intervention, and the assessor, which should enter the results of the check list, is selected outside the team and is blinded by the type of intervention and that people are blind in the group, and data analyzes Will be blinded from the type of intervention.
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Islamic Azad University Esfahan (khorasgan) Branch
Street address
University Blvd, Arqavanieh, Jey Street Isfahan, Iran
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Approval date
2019-06-25, 1398/04/04
Ethics committee reference number
IR.IAU.KHUISF.REC.1398.093

Health conditions studied

1

Description of health condition studied
Attention Deficit- Hyperactivity Disorder
ICD-10 code
F90
ICD-10 code description
Attention-deficit hyperactivity disorders

Primary outcomes

1

Description
Behavioral Problems
Timepoint
Before starting the intervention (pre test) and after intervention (post test)
Method of measurement
Achenbach Child Behavior questionnaire and Gerrard’s Parent-Child Relationship questionnaire

2

Description
Cognitive Skills
Timepoint
Before starting the intervention (pre test) and after intervention (post test)
Method of measurement
Computerized Stroop Test

3

Description

Motor Skills

Timepoint

Before starting the intervention (pre test) and after intervention (post test)

Method of measurement

Bruininks-Oseretsky Test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group : pretest will be done .Then the child and mother with each other will do 45 minutes of perceptual exercises for 8 weeks each week. Then the post-test will be done similar to the pretest.

Category

Behavior

2

Description

Active control group: pretest will be done .Then the child and mother, apart from each other, will carry out perceptual exercises for 45 minutes, 8 weeks, 3 sessions each week. Then the post-test will be done similar to the pretest.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahin Shahr Education Ministration

Full name of responsible person

Marziyeh jafari

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Imam Khomeini Blvd

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Rokhsareh Badami

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Grant name

Grant code / Reference number

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

No

Title of funding source

Islamic Azad University, Isfahan (Khorasgan) Branch

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

Persons

Person responsible for general inquiries

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Rokhsare badami

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Others

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Position
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Latest degree
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Other areas of specialty/work
Occupational Therapy

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available

Study Protocol
No - There is not a plan to make this available

Statistical Analysis Plan
No - There is not a plan to make this available

Informed Consent Form
No - There is not a plan to make this available

Clinical Study Report
No - There is not a plan to make this available

Analytic Code
No - There is not a plan to make this available

Data Dictionary
No - There is not a plan to make this available