

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

19 Jun 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)

##### Phone

+98 31 4530 3123

##### Email address

marzieh.jafari@khuisf.ac.ir

##### 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

**City**

Esfahan

**Province**

Isfahan

**Postal code**

۸۱۵۵۱-۳۹۹۹۸

**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

##### Street address

Imam Khomeini Blvd

##### City

Shahin Shahr

##### Province

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##### Postal code

8314856714

##### Phone

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##### Email

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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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University Blvd, Arqavanieh, Jey Street Isfahan, Iran

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info@khuisf.ac.ir

#### 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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## Person responsible for scientific inquiries

### Contact

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**Full name of responsible person**

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Associate Professor

**Latest degree**

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**Other areas of specialty/work**

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## Person responsible for updating data

### Contact

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**Position**

PhD student of Motor Behavior

**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