

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 2026

### Effect of Child-Centered Play Therapy (ADLERIAN) on the Working Memory Disability Educable Children

#### Protocol summary

##### Study aim

1- Determination of the average active memory of intellectual disability children in pre and post intervention stages and follow up by intervention and control groups 2- Determining the effect of Adrenaline-based child-centered play therapy on the active memory of intellectual disability children in the intervention phase 3- Determining the effect of Adrenaline-based child-centered play therapy on active memory of mentally retarded children at follow-up.

##### Design

After adjusting for age, educational grade and active memory scores, the subjects were randomly assigned into two intervention and control groups. After 10 weeks of consecutive interventions and data collection, the second evaluation was performed for both groups. The data are analyzed; if the interventions are effective, the final evaluation is performed after 1 month without any intervention by the research team.

##### Settings and conduct

Sampling was available 7-12 Year Old Children with Educable Studying in Exceptional Children's Schools in Qom One-blind intervention was performed by a psychologist

##### Participants/Inclusion and exclusion criteria

inclusion criteria: 1. Children between the ages of 7 and 12 years. 2. Parental consent to participate in the study 3. Diagnosis of mild intellectual disability (50-70)  
Exclusion criteria: 1- Having any physical disease (cerebral palsy, neuromuscular and skeletal disorders) 2 - Explicit psychiatric symptoms in the child (autism, attention deficit hyperactivity disorder, etc.) 3. Failure to participate in other clinical interventions concurrently with research

##### Intervention groups

Adrenaline-based child-centered play therapy intervention

##### Main outcome variables

Working memory

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20190412043243N1**

Registration date: **2020-11-23, 1399/09/03**

Registration timing: **retrospective**

Last update: **2020-11-23, 1399/09/03**

Update count: **0**

##### Registration date

2020-11-23, 1399/09/03

##### Registrant information

##### Name

Navida Johari

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2218 0083

##### Email address

na.johari@uswr.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2019-08-23, 1398/06/01

##### Expected recruitment end date

2019-11-22, 1398/09/01

##### Actual recruitment start date

2019-09-23, 1398/07/01

##### Actual recruitment end date

2020-02-15, 1398/11/26

##### Trial completion date

2020-02-15, 1398/11/26

##### Scientific title

Effect of Child-Centered Play Therapy (ADLERIAN) on the Working Memory Disability Educable Children

#### Public title

Effect of Child-Centered Play Therapy (ADLERIAN) on the Working Memory Disability Educable Children

#### Purpose

Other

#### Inclusion/Exclusion criteria

##### Inclusion criteria:

Children ages 7 to 12 years Parental consent to participate in the study Diagnosis of mild intellectual disability (50-70)

##### Exclusion criteria:

Any type of physical disease (cerebral palsy, neuromuscular and skeletal disorders) Significant psychiatric symptoms in the child (autism, attention deficit hyperactivity disorder, etc.) Failure to participate in other clinical interventions concurrently with research

#### Age

From **7 years** old to **12 years** old

#### Gender

Female

#### Phase

N/A

#### Groups that have been masked

- Outcome assessor

#### Sample size

Target sample size: **28**

Actual sample size reached: **28**

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

After obtaining the necessary permits and receiving the code of ethics and referring to the exceptional school of Hazrat Fatemeh Zahra in Qom, 28 eligible students were selected to participate in the study and then randomly one by one by assigning A and B cards were assigned to intervention and control groups.

#### Blinding (investigator's opinion)

Single blinded

#### Blinding description

The evaluation was done by another person (with a degree in psychology).

#### Placebo

Not used

#### Assignment

Parallel

#### Other design features

### Secondary Ids

empty

### Ethics committees

#### 1

##### Ethics committee

###### Name of ethics committee

Ethics committee of University of Social Welfare

Rehabitation Sciences

#### Street address

Koodkiar dead end ,Daneshjoo Blvd, Evin

#### City

Tehran

#### Province

Tehran

#### Postal code

1985713871

#### Approval date

2019-07-07, 1398/04/16

#### Ethics committee reference number

IR.USWR.REC.1398.043

### Health conditions studied

#### 1

##### Description of health condition studied

working memory

##### ICD-10 code

##### ICD-10 code description

### Primary outcomes

#### 1

##### Description

Working Memory Score on the Wechsler Intelligence Scale Children

##### Timepoint

2 months and 15 days

##### Method of measurement

Wechsler Intelligence Scale for Children Form 4 WISC-IV

### Secondary outcomes

empty

### Intervention groups

#### 1

##### Description

Intervention group: Adlerin-based child-centered play therapy interventions, play therapy is performed in the school play room at a specific time. The play room is equipped with various types of child-centered toys. Exercises are done for about 10 weeks and 3 times a week for 45 minutes. Control group: To the parents of the students, after the follow-up test, all the play therapy sessions performed for the intervention group for the control group should be performed.

##### Category

Rehabilitation

#### 2

##### Description

Control group: Do not perform additional intervention.

##### Category

N/A

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Fatima Zahra Exceptional School

**Full name of responsible person**

Mis Mansori

**Street address**

Azadegan Square. Fatima Zahra Exceptional Children School

**City**

Qom

**Province**

Ghous

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379945183

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**Email**

johari.navida@gmail.com

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

University of social welfare and rehabilitation sciences

**Full name of responsible person**

Mohammad Reza Khodaei Ardakani

**Street address**

Velenjak. Koodakyar Street. University of USWR

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**Email**

Kh.ardakani@uswr.ac.ir

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

University of social welfare and rehabilitation sciences

**Proportion provided by this source**

50

**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**

University of social welfare and rehabilitation sciences

**Full name of responsible person**

Hooshang Mirzaee

**Position**

Assistant Professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Occupational Therapy

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## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

University of social welfare and rehabilitation sciences

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Hojat Allah Haghgo

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Associate Professor

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Ph.D.

**Other areas of specialty/work**

Neuroscience

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## Person responsible for updating data

### Contact

**Name of organization / entity**

University of social welfare and rehabilitation sciences

**Full name of responsible person**

Navida Johari

**Position**

MS Student

**Latest degree**

Bachelor

**Other areas of specialty/work**

Occupational Therapy

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**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**

No more information

**Study Protocol**

Yes - There is a plan to make this available

**Statistical Analysis Plan**

No - There is not 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**

No - There is not a plan to make this available

**Data Dictionary**

No - There is not a plan to make this available

**Title and more details about the data/document**

working memory

**When the data will become available and for how long**

Start of course from September 98

**To whom data/document is available**

Parents of students Assistant Professors and Advisors

**Under which criteria data/document could be used**

1. Improving children's health 2. Raising the level of education of students 3. Conduct research at a broader level

**From where data/document is obtainable**

Navida Johari, MSc student of Tehran University of Social Welfare and Rehabilitation Sciences 09368335972

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

1. First make your request by email or phone 2. After reviewing the application, contact the professors and counselors and review the individual application 3. We try to respond to the request of the person in the shortest possible time

**Comments**