

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

Rehabilitation Sciences

Street address

Koodkiar dead end ,Daneshjoo Blvd, Evin

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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

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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

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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

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Name of organization / entity

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Position

Associate Professor

Latest degree

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Other areas of specialty/work

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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

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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