

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Evaluation of the effectiveness of Tele-occupational therapy on Visual-Motor Skills in children with specific learning disorder in elementary school

Protocol summary

Study aim

Determining the effectiveness of remote occupational therapy on the visual-motor skills of children with special learning disorders in elementary school.

Design

A clinical trial with a control group, as a single blind strain, randomized by random blocks using spss, is conducted on 40 patients.

Settings and conduct

Place of study: Mehr rehabilitation center in Tehran;
Study population: includes 40 children with learning disabilities; Type of blinding: Single-blind; The method of blinding: the assessor is unaware of the people in the experimental and control groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: second, third and fourth grade; have been admitted with a special learning disorder diagnosis; they have only benefited from educational interventions and have not received rehabilitation services; In the medical records of these children, the health of their sight and hearing has been reported; The IQ of these children is normal based on the Wechsler IQ scale. Non-inclusion criteria: not understanding the language commands, not wanting to participate in the study, getting a score above the average in the TVMS_R test.

Intervention groups

Intervention group: 20 children with learning disabilities that receive occupational therapy services remotely through video call. Control group: 20 children with learning disabilities; that not receive any rehabilitation intervention.

Main outcome variables

visual-motor skills, visual-spatial skills

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230405057825N1**

Registration date: **2023-07-11, 1402/04/20**

Registration timing: **registered_while_recruiting**

Last update: **2023-07-11, 1402/04/20**

Update count: **0**

Registration date

2023-07-11, 1402/04/20

Registrant information

Name

Mohsen Taheri ruh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 4496 7784

Email address

moh.taheri@uswr.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-04-09, 1402/01/20

Expected recruitment end date

2023-08-11, 1402/05/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effectiveness of Tele-occupational

therapy on Visual-Motor Skills in children with specific learning disorder in elementary school	
Public title	The effectiveness of Tele-occupational therapy in children with specific learning disorder
Purpose	Supportive
Inclusion/Exclusion criteria	Inclusion criteria: The second, third and fourth grade of elementary school have been diagnosed with a special learning disorder In the medical records of these children, the health of their sight and hearing should be reported The IQ of these children must be normal based on the Wechsler IQ scale In the TVMS_R test, in each of the eight classes, they must have obtained a score lower than the average and norm. Exclusion criteria: Lack of understanding of language commands Unwillingness to participate in the study Getting a score above the average in the TVMS_R test
Age	From 7 years old to 9 years old
Gender	Both
Phase	N/A
Groups that have been masked	• Outcome assessor • Data analyser
Sample size	Target sample size: 40
Randomization (investigator's opinion)	Randomized
Randomization description	By random number table: this table is a collection of numbers that are generated without a specific pattern or order and in a completely random manner, and it is in the form of a table. In order to use the table of random numbers, we must first determine the direction of reading the table numbers (for example, up, down, left or right), the second assumption is to consider numbers for different groups (for example, even numbers for intervention A and odds numbers for intervention B) and in this way we define the intervention and control group.
Blinding (investigator's opinion)	Single blinded
Blinding description	The evaluation is done by a qualified person in a blinded manner, and the evaluator is unaware of the people in the experimental and control groups.
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 and Rehabilitation Sciences
Street address
The end of the sixth alley; Valenjak
City
Tehran
Province
Tehran
Postal code
1985713871
Approval date
2023-03-15, 1401/12/24
Ethics committee reference number
IR.USWR.REC.1401.243
Health conditions studied
1
Description of health condition studied
specific learning disorder
ICD-10 code
F81
ICD-10 code description
Specific developmental disorders of scholastic skills
Primary outcomes
1
Description
The score of visual-motor skills in the Test of Visual-Motor Skills-Revised
Timepoint
Measurement of visual-motor skills at the beginning of the study (before the start of the intervention) and after 8 weeks (16Tele-occupational therapy sessions) at the end of the intervention period.
Method of measurement
Test of Visual-Motor Skills-Revised
2
Description
The score of visual-spatial skills in the Test of Visual-Motor Skills-Revised
Timepoint
Measurement of visual-spatial skills at the beginning of the study (before the start of the intervention) and after 8 weeks (16Tele-occupational therapy sessions) at the end of the intervention period.
Method of measurement
Test of Visual-Motor Skills-Revised

Secondary outcomes

empty

Intervention groups

1

Description

intervention group: Tele Occupational therapy; Providing occupational therapy services in the field of eye movements, visual-spatial skills, visual analysis and visual-motor integration by video call and without any physical contact with clients with the help of smartphones or computers in 16 30-minute sessions, twice a week. Exercises are taught to the children and the parents remotely through pictures and videos, and then the exercises is monitored by video call.

Category

Rehabilitation

2

Description

Control group: Not any rehabilitation intervention

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Mehr Rehabilitation center

Full name of responsible person

DR. Fatorechy

Street address

Mehr Rehabilitation center, 14th Alley, Intersection of Khoi Street with Abuzar Ghaffari Street, Tehran

City

Tehran

Province

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Postal code

1481713861

Phone

+98 21 2284 3325

Email

saeidfatorehchy@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

University of social welfare and rehabilitation sciences

Full name of responsible person

HamidReza Khankeh

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Phone

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hamid.khankeh@ki.se

Grant name

Grant code / Reference number

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

No

Title of funding source

University of Social Welfare and Rehabilitation Sciences

Proportion provided by this source

100

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

Mohsen TaheriRuh

Position

Master student in Occupational Therapy

Latest degree

Bachelor

Other areas of specialty/work

Occupational Therapy

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Email

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Person responsible for scientific inquiries

Contact

Name of organization / entity

University of social welfare and rehabilitation sciences

Full name of responsible person

Mohsen TaheriRuh

mohsentaheriruh@gmail.com

Position

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

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Email

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

The results of the assessment can be shared without mentioning the traceable characteristics of the individuals

When the data will become available and for how long

The access period starts 6 months after the results are published

To whom data/document is available

It will be available only to researchers working in academic and scientific institutions

Under which criteria data/document could be used

It can be used for other studies under the supervision of academic and scientific institutions without special conditions

From where data/document is obtainable

Through sending email to: mohsentaheriruh@gmail.com

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

It will be sent to the person at most one month after confirming the correctness of the applicant's information

Comments