

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

The Effect of Shofer Video Game on Visual-Motor Coordination in Hearing Impaired Children

Protocol summary

Study aim

Determination of the Effect of Shofer video game on Visual-Motor Coordination in Hearing Damaged Children

Design

Clinical trial with control group, no blind, randomized

Settings and conduct

Ahvaz , school for children with special needs, preschool

Participants/Inclusion and exclusion criteria

Children with hearing impairment in preschool degree in a school for children with special needs

Intervention groups

The experimental group performed a computer game with two separate laptops for 5 weeks, twice a week (Saturday and Tuesday) and 45 minutes each time. The control group did not receive any intervention.

Main outcome variables

Eye and hand coordination; clean shape of the field; understanding shape stability; clean atmosphere in space; understanding spatial relationships; correct answer; error of negligence; committing error; reaction time

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20140618018150N3**

Registration date: **2018-06-23, 1397/04/02**

Registration timing: **retrospective**

Last update: **2018-06-23, 1397/04/02**

Update count: **0**

Registration date

2018-06-23, 1397/04/02

Registrant information

Name

Rita Rezaee

Name of organization / entity

Shiraz university of medical sciences

Country

Iran (Islamic Republic of)

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Email address

ritarezaee@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-12-01, 1396/09/10

Expected recruitment end date

2018-01-10, 1396/10/20

Actual recruitment start date

2018-01-21, 1396/11/01

Actual recruitment end date

2018-03-06, 1396/12/15

Trial completion date

empty

Scientific title

The Effect of Shofer Video Game on Visual-Motor Coordination in Hearing Impaired Children

Public title

Effect of video games on visual-motor coordination

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Studying at advanced level in preparation The lack of learning difficulty The lack of medical problems that prevent research The child's willingness to participate in the intervention Parental Satisfaction

Exclusion criteria:

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample sizeTarget sample size: **16**Actual sample size reached: **16****Randomization (investigator's opinion)**

Randomized

Randomization description

Individuals will be assigned to experimental and control groups based on the randomized blocking method with 4 individuals per block and the randomized pattern A B A B B A B A A B B A A B B.

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Shiraz University of Medical Sciences

Street address

6th Floor, Central building of Shiraz University of Medical Sciences Zand St., Shiraz, Iran

City

Shiraz

Province

Fars

Postal code

14336 - 71348

Approval date

2018-02-26, 1396/12/07

Ethics committee reference number

IR.SUMS.REC.1396.178

Health conditions studied**1****Description of health condition studied**

Visual-motor coordination

ICD-10 code

R27.9

ICD-10 code description

Unspecified lack of coordination

Primary outcomes**1****Description**

Visual perception

Timepoint

Before and after intervention

Method of measurement

Frostig Developmental Test of Visual Perception

2**Description**

attention

Timepoint

Before and after intervention

Method of measurement

Continuous Performance Test

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Receive game interventions for 10 sessions, 2 sessions per week, 45 minutes per session, Individually

Category

Rehabilitation

2**Description**

Control group: without intervention

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Imam Ali's school

Full name of responsible person

Zahra Norouzi Tabrizi Nejad

Street address

Primary school of Imam Ali, Sina Blvd, Phase 2 of Padadshahr, Ahvaz

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Khuzestan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shiraz University of Medical Sciences

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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
Shiraz University of Medical 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
Shiraz University of Medical Sciences

Full name of responsible person
Zahra Norouzi Tabrizi Nejad

Position
Student

Latest degree
Master

Other areas of specialty/work
Medical Informatics

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Medical Education

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Person responsible for updating data

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Position
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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

Not applicable

Informed Consent Form

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

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Demographic information, visual motor function before and after intervention

When the data will become available and for how long

Start the access period 6 months after printing the results

To whom data/document is available

researchers

Under which criteria data/document could be used

Use of the data for the study and further research is permitted.

From where data/document is obtainable

Email: zahra.tab92@gmail.com

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

Send an email to the responsible person for entering the information and explaining the reason for requesting information

Comments

It will be available through republished academic journals.