Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Studing of the Effect of the Leisure Time of Selected games on Eye-Hand Coordination, Self-esteem and Happiness of Low vision Female Students Aged 10-12 Years old

Protocol summary

Study aim

The purpose of this study was to Investigate the effect of leisure time-based games on eye and hand coordination, Self-esteem and happiness of 10-12 year old girls.

Design

In this research, 24 low-vision students with entry requirements studying in exceptional schools are selected. Participants are randomly divided into intervention and control groups and each participant is assigned a code.

Settings and conduct

This study is on the students of Mashhad's exceptional schools.This research is done in center of Taghva. In this study, two groups are experimental and control. This is a double-blind study, and the subjects and researchers do not know who is in what group (testing, control).

Participants/Inclusion and exclusion criteria

Entry Condition: Age of 10-12 years old, gile students of low vision No Entry Condition: Have of other disabilities with low vision

Intervention groups

12 girl students with low-vision in experiment group,12 girl students with low-vision in control group. This intervention is done in the experimental group for eight weeks and three sessions per week for an appointment under the supervision of an experienced coach in the morning. Each practice session includes three stages of warming up, performing selected games including darts, bowling and throwing the ring, and the return stage. There is no intervention in the control group during this period.

Main outcome variables

Eye and hand coordination

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171111037390N2**
Registration date: **2018-02-18, 1396/11/29**
Registration timing: **registered_while_recruiting**

Last update: **2018-02-18, 1396/11/29**
Update count: **0**

Registration date

2018-02-18, 1396/11/29

Registrant information

Name

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 38698289

Email address

maryam.mostaedy@imamreza.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-01-20, 1396/10/30

Expected recruitment end date

2018-02-19, 1396/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Studing of the Effect of the Leisure Time of Selected games on Eye-Hand Coordination, Self-esteem and

Happiness of Low vision Female Students Aged 10-12 Years old

Public title
Effect of the Selected games on Low vision Female Students
Purpose
Other
Inclusion/Exclusion criteria
Inclusion criteria:
Female Students Low vision Natural Intelligence Appropriate Hemispheric Dominance Participation for the First Time in Selected games 10-12 years old
Exclusion criteria:
Have of other Disability with low vision
Age
From **10 years** old to **12 years** old
Gender
Female

Phase
N/A
Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size
Target sample size: **24**
Randomization (investigator's opinion)
Randomized
Randomization description
Simple random, sealed envelope
Blinding (investigator's opinion)
Double blinded
Blinding description
The subjects and researchers do not know who is in what group (experiment, control).
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
ethics committee of Mashhad University of Medical Sciences
Street address
Mashhad, Daneshgah Avenue
City
Mashhad
Province
Razavi Khorasan
Postal code
91375-345
Approval date
2017-10-14, 1396/07/22
Ethics committee reference number
ir.mums.rec.1396.233

Health conditions studied

1

Description of health condition studied
eye- hand coordination
ICD-10 code
ICD-10 code description

2

Description of health condition studied
Self-esteem
ICD-10 code
ICD-10 code description

3

Description of health condition studied
happiness
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
eye- hand coordination score
Timepoint
At the beginning of the study and after eight weeks at the end of the research
Method of measurement
frostig test

Secondary outcomes

1

Description
Self-steem
Timepoint
Before the intervention and one week after the end of the intervention
Method of measurement
Coper Smeet questionnaire

2

Description
Happiness
Timepoint
Before the intervention and one week after the end of the intervention
Method of measurement
Oxford happiness questionnaire

Intervention groups

1

Description
Intervention group: Dart, in each training session, for ten minutes each person is placed at a distance of 48 inches from the Darts game and has 20 dances to hit the dart board. bowling, in each training session, for ten minutes each person is placed at a distance of 48 inches from the bowling game and has 20 dances to throw the ball towards the goal.throwing the ring, in each training session, for ten minutes each person is placed at a distance of 48 inches from the throwing the ring game and has 20 dances to throw the ring towards the goal.

Category
Rehabilitation

2

Description
Control group: They do not have an intervention and during this time they are engaged in daily activities and do not participate in any particular certain physical activity.

Category
Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center
Taghva school

Full name of responsible person
Maryam Torab Mostaedy

Street address
No. 5, Faramarz Ave., Ferdowsi Blvd, Mashhad, Iran

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mmostaedy@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice president research and technology of Imam Reza International University

Full name of responsible person
Ebrahim Daneshifar

Street address
No. 22, Asrar Avenue., Daneshgah Blvd., Mashhad, Iran

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91735553

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admin@imamreza.ac.ir

Grant name

Grant code / Reference number

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

Title of funding source
Vice president research and technology of Imam Reza International University

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
Imam Reza International University

Full name of responsible person
Zahrasadat Mirzazade

Position
Associate professor

Latest degree
Ph.D.

Other areas of specialty/work
physical Education

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Person responsible for updating data

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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
Undecided - It is not yet known if there will be 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