

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jun 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-esteem

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

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

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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,

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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