Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

The effect of movement exersices with music on motor proficiencies of 7-14 aged autistic children

Protocol summary

Summary

This study aimed to evaluate the effect of movement exercises with music on motor proficiencies of 7-14 aged autistic children. This clinical trial have control group and aimed to treat autistic children in autism charity. Inclusion criteria: Autism disorder diagnosed by a child psychiatrist; lower functional level based on Autism screening scale questionnaire (ASSQ); chronological age between 7 and 14 years old; normal or corrected vision and hearing senses by means the auditory registers with normal hearing (not hyper sensitive to noise nor hypo sensitivity) based on sensory profile questionnaire; lack of orthopedic and cardiopulmonary disorders; no seizure attacks in the last two years; not taking drug with effects on motor. Exclusion criteria: the absence of more than two sessions during the intervention and any changes in medical diet due to motor signs or change in alertness. Sample size is 22 autistic children. Study intervention is 24 sessions of music therapy as a 3-week sessions, each session lasting 45 minutes during the 8-week. At the end of the treatment motor assessment is performed. In music group movement exercises performed with music and play musical instruments and in control group without any musical element.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012091010806N1**
Registration date: **2013-12-06, 1392/09/15**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-12-06, 1392/09/15

Registrant information

Name
Malahat Akbarfahimi
Name of organization / entity
Iran University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Deputy of Research, Tehran University of Medical Sciences

Expected recruitment start date

2013-01-20, 1391/11/01

Expected recruitment end date

2014-01-21, 1392/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of movement exersices with music on motor proficiencies of 7-14 aged autistic children

Public title

Music therapy in autism

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Autism disorder diagnosed by a child psychiatrist; lower functional level based on Autism screening scale questionnaire (ASSQ); chronological age between 7 and 14 years old; normal or corrected vision

and hearing senses by means the auditory registers with normal hearing (not hyper sensitive to noise nor hopo sensitivity) based on sensory profile questionaire; lack of orthopedic and cardiopulmonary disorders; no seizure attacks in the last two years; not taking drug with effects on motor. Exclusion criteria: the absence of more than two sessions during the intervention and any changes in medical diet due to motor signs or change in alertness.

Age
From **7 years** old to **14 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **22**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tehran university of medical sciences

Street address
Hemmat Highway - between Chamran and Sheikh Fadlallah - Iran University of Medical Sciences

City
Tehran

Postal code

Approval date
2012-11-22, 1391/09/02

Ethics committee reference number
2219/130/ د

Health conditions studied

1

Description of health condition studied
Autism

ICD-10 code
F84.0

ICD-10 code description
Childhood autism

Primary outcomes

1

Description
Motor proficiency include balance, bilateral coordination, upper limb coordination

Timepoint
Before, middle and after treatment

Method of measurement
Bruininks Oseretsky test of motor proficiency

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Treatment occurs in 24 therapy sessions during 3 days in week for 8 weeks, in intervention group children implement rhythmic movement and play simple musical instruments with rhythm like rolling, jumping walking, kneel forward and backward walking and skiping

Category
Other

2

Description
Control group: Treatment occurs in 24 therapy sessions during 3 days in week for 8 weeks,in this group children implement balance and physical exercises like rolling, jumping walking, kneel forward and backward walking and skiping without music occurs.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Autism charity

Full name of responsible person
Atoosa Atigh

Street address
Sepahbod gharani street, Kalantari street, Number 76, Unit 25

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of Research, Tehran university of medical science

Full name of responsible person

Akbar Fottohi

Street address

Hemmat Highway - between Chamran and Sheikh Fadlallah - Iran University of Medical Sciences

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Deputy of Research, Tehran university of medical science

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Faculty of Rehabilitatio, Iran University of Medical Sciences

Full name of responsible person

Malahat Akbarfahimi

Position

Master of science in occupational therapy-PhD of cognitive neuroscience

Other areas of specialty/work

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty