

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 2026

### The effect of movement exercises 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2222 7124

##### Email address

akbarfahimi.m@iums.ac.ir

#### 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 exercises 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 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.

**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 skipping

**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 skipping 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****Street address**

rehabilitation faculty-Nezam Aly-shah nazari street,.madar square,-mirdamad blv Tehran

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+98 21 2222 7124

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mfahimi@tums.ac.ir

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### Person responsible for scientific inquiries

**Contact****Name of organization / entity**

Faculty of Rehabilitatio ,Tehran University of Medical Sciences

**Full name of responsible person**

Malahat Akbarfahimi

**Position**

Master of science in occupational therapy

**Other areas of specialty/work****Street address**

rehabilitation faculty-Nezam Aly-shah nazari street,.madar square,-mirdamad blv Tehran

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### 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*