

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Jun 2026

### Investigating the Effectiveness of Group Intervention on social skills of children with Autism Spectrum Disorder (Training and Rehabilitation Center for Children with Autism of Isfahan)

#### Protocol summary

##### Summary

The objective of the present quasi-experimental study was to investigate the effectiveness of group intervention on the social skills of children with Autism Spectrum Disorder and was conducted using pre-test/post-test and with two experimental and control groups. The population of the study consisted of all children with autism who were trained in Training and Rehabilitation Center for Children with Autism of Isfahan. Among these individuals, 16 participants with ages between 3 to 6 years old were selected as the sample using convenience sampling and were divided into two experimental group (8 participants) and control group (8 participants). Group intervention based on Cotugno (2009) and Shapiro (2004) Model for the experimental group in 48 60-minute sessions during 6 months were conducted and for the control group, there was no intervention. Also, both experimental and control groups trained with Applied Behavior Analysis (ABA). To collect the data of the dependent variable, Social Skills Checklist (Illene et al. 2004) was used. We expect to see increasing the Social Skills (game skills, understanding emotions, problem solving, skills of interaction with the group, verbal communication skills, nonverbal communication skills, beginner in questioning and answering questions skills) in the Experiment group after Group Intervention.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014102919732N2**

Registration date: **2015-01-02, 1393/10/12**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-01-02, 1393/10/12

##### Registrant information

###### Name

Alireza Mohseni Ezhiyeh

###### Name of organization / entity

University of Isfahan

###### Country

Iran (Islamic Republic of)

###### Phone

+98 916 238 8155

###### Email address

armohseni@edu.ui.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

This research was supported by Training and Rehabilitation Center for Children with Autism of Isfahan.

##### Expected recruitment start date

2014-02-20, 1392/12/01

##### Expected recruitment end date

2014-08-23, 1393/06/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Investigating the Effectiveness of Group Intervention on social skills of children with Autism Spectrum Disorder (Training and Rehabilitation Center for Children with Autism of Isfahan)

##### Public title

Group Intervention for Children with Autism

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion: 3-6 years old; diagnosis of Autism by Psychiatrist based on DSM IV; Exclusion: Other neurological disorder such as cerebral palsy; seizure; metabolic disorder; change in drugs during the intervention, lack of cooperation and not participating in assessment session.

**Age**

From **3 years** old to **6 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **16**

**Randomization (investigator's opinion)**

Randomized

**Randomization description****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 University of Isfahan

**Street address**

University of Isfahan, Hezar Jarib St, Azadi Sq, Isfahan.

**City**

Isfahan

**Postal code****Approval date**

2014-10-09, 1393/07/17

**Ethics committee reference number**

93/58141

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

Autism Spectrum Disorder

**ICD-10 code**

F84.0

**ICD-10 code description**

Childhood autism

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

group game skills

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**2****Description**

understanding emotions

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**3****Description**

problem solving

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**4****Description**

skills of interaction with the group

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**5****Description**

verbal communication skills

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**6****Description**

nonverbal communication skills

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**7****Description**

beginner in questioning and answering questions skills

**Timepoint**

1 week before intervention and 1 week after intervention

**Method of measurement**

Social Skills Checklist

**Secondary outcomes**

empty

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

Control group: This group was not trained in the way of group intervention.

**Category**

Other

**2****Description**

Experimental group: Group intervention for the experimental group was conducted in 48 60-minute sessions during 6 months. This type of intervention attempts to train social skills in group and in a natural context.

**Category**

Rehabilitation

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

Training and Rehabilitation Center for Children with Autism of Isfahan

**Full name of responsible person**

Hamid Reza Arab Baferiani

**Street address**

No. 34, Shahin St, Imam Khomeini St, Jomhuri Sq, Isfahan.

**City**

Isfahan

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Training and Rehabilitation Center for Children with Autism of Isfahan

**Full name of responsible person**

Hamid Reza Arab Baferiani

**Street address**

No. 34, Shahin St, Imam Khomeini St, Jomhuri Sq, Isfahan.

**City**

Isfahan

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Training and Rehabilitation Center for Children with Autism of Isfahan

**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****Person responsible for scientific inquiries****Contact****Name of organization / entity**

University of Isfahan

**Full name of responsible person**

Alireza Mohseni Ezhiyeh

**Position**

MA student of Psychology of Children with Special Needs

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

University of Isfahan, Hezar Jarib St, Azadi Sq, Isfahan.

**City**

Isfahan

**Postal code****Phone**

+98 31 3337 3747

**Fax****Email**

alirezamohseni989@gmail.com

**Web page address**

www.iranautism.ir

**Person responsible for updating data****Contact****Name of organization / entity**

University of Isfahan

**Full name of responsible person**

Alireza Mohseni Ezhiyeh

**Position**

MA student of Psychology of Children with Special Needs

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

University of Isfahan, Hezar Jarib St, Azadi Sq,

Isfahan.

**City**

Isfahan

**Postal code**

**Phone**

+98 31 3337 3747

**Fax**

**Email**

alirezamohseni989@gmail.com

**Web page address**

www.iranautism.ir

**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*