Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effectiveness of using visual pedagogy in dental check up and preventive dentistry for children with autism compare with autistic children without education

Protocol summary

Summary

The purpose of this study was to evaluate the effect of the visual pedagogy method on the level of cooperation of the autistic children in dental checkups and preventive dentistry treatments. In this randomized clinical trial, the level of cooperation of 40 autistic children, aged 6 to 12 years evaluated for four purposes (Entering the dental surgery room and sitting in the dental chair, opening the mouth and showing the teeth, examination with mirror and fluoride therapy). The children recruited from Yavaran Zeinab autism center in Isfahan. Those were included in this study that did not have any systemic disease or motor disability except autism disorder. The selected children have been divided in two groups of twenty person of test and control group. Only the test group was trained by trainers. The test group has been educated using visual pedagogy method to learn about dental visit in two months. The findings shows that the repetition of dental visits has increased the amount of cooperation in (Entering the dental surgery and sitting in the dental chair, opening the mouth and showing the teeth, examining with mirror) and it can be claimed that the visual pedagogy method had no effect in the amount of cooperation in 3 purposes (Entering the dental surgery and sitting in the dental chair, opening the mouth and showing the teeth and examining with mirror), but the visual pedagogy method in fluoride therapy has been significantly effective in test group.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014102519665N1**
Registration date: **2014-12-14, 1393/09/23**
Registration timing: **retrospective**
Last update:
Update count: **0**

Registration date

2014-12-14, 1393/09/23

Registrant information

Name
Firooze Nilchian
Name of organization / entity
Medical univercity of esfahn
Country
Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Esfahan University of Medical Sciences

Expected recruitment start date

2014-05-22, 1393/03/01

Expected recruitment end date

2014-07-23, 1393/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effectiveness of using visual pedagogy in dental check up and preventive dentistry for children with autism compare with autistic children without education

Public title

The effectiveness of using visual pedagogy in dental

check up and preventive dentistry for children with autism compare with autistic children without education

Purpose
Prevention

Inclusion/Exclusion criteria
Inclusion criteria : Aged 6 to 12; Certified psychiatrist about autism; Ability to communicate through speech. Exclusion criteria : No motor disability and Systemic disorder.

Age
From **6 years** old to **12 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **40**

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
Esfahan University of Medical Sciences

Street address
Hezar jarib Avenue, Dental School, Esfahan University of Medical Sciences, Esfahan, Iran

City
Esfahan

Postal code
8174673461

Approval date
2014-05-09, 1393/02/19

Ethics committee reference number
393410

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
Cooperation level

Timepoint
Two week

Method of measurement
Frankle Index

Secondary outcomes

1

Description
Education

Timepoint
Three times a week

Method of measurement
Obzervation

Intervention groups

1

Description
Intervention group: Education with visual pedagogy for dental visit for two month (three times a week). Examined with dentist for twice a week in during Education.

Category
Prevention

2

Description
Control group: Examined by dentist for twice a week without Education.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Yavaran zeinab charity center of autism in Esfahan

Full name of responsible person

Street address
NO. 12, Emam khomeiny Ave, Esfahan, Iran

City
Esfahan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research center of dental school
Full name of responsible person
Dr Omid Savabi
Street address
Hezar jarib Avenue, Dental School, Esfahan University of Medical Sciences, Esfahan, Iran
City
Esfahan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research center of dental school
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
Research centre
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Dr Omid Savabi
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Contact
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Person responsible for updating data

Contact
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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