Clinical Trial Protocol
Iranian Registry of Clinical Trials

29 Jun 2026

The Effect of Vestibular Stimulation Exercises on Motor Function and Balance in Childeren with Hearing Impairment

Protocol summary

Study aim
The Effect of Vestibular Stimulation Exercises on Motor Function and Balance in Childeren with Hearing Impairment
Design
a rondomized single- blind clinical trail with intervention and control groups,parallel groups, according to the centralized and computerized study
Settings and conduct
The study is conducted at the preschool school and Ghotbzadeh primary school of Rasht city , as well as single blind design
Participants/Inclusion and exclusion criteria
Hearing-impaired subjects with a hearing loss of about 80 dB are selected Complete satisfaction and willingness to participate in research. Have no visual impairment
Intervention groups
Intervention group: Vestibular stimulation based on motor exercises. Control group: Do not participate in any exercise program.
Main outcome variables
vestibular, balance

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20190427043392N1**
Registration date: **2019-06-02, 1398/03/12**
Registration timing: **registered_while_recruiting**

Last update: **2019-06-02, 1398/03/12**
Update count: **0**
Registration date
2019-06-02, 1398/03/12

Registrant information
Name
vahideh sadat mousavi zadeh
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 34 3411 9618
Email address
v.s.mousavizadeh@gmail.com

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-05-10, 1398/02/20
Expected recruitment end date
2019-07-11, 1398/04/20
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The Effect of Vestibular Stimulation Exercises on Motor Function and Balance in Childeren with Hearing Impairment

Public title
effect of motor exercises on the balance of children with hearing impairment
Purpose
Supportive
Inclusion/Exclusion criteria
Inclusion criteria:
Hearing-impaired subjects with a hearing loss of about 80 dB are selected. Complete satisfaction and willingness to participate in research No visual impairment Children aged 5 to 8 years old
Exclusion criteria:

Beyond the age range of 5 to 8 years. Subjects did not have orthopedic, cognitive, and musculoskeletal disorders. Subjects do not have absolute deafness

Age
From **5 years** old to **8 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **24**

Randomization (investigator's opinion)
Randomized

Randomization description
Individuals are randomly assigned randomly into a group or two groups using the random numbers table and they receive the intervention of the same group.

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 commitee of Guilan University of Medical Sciences

Street address
Shahid Siadaty Ave, Namjoo str ,Rasht

City
Rasht

Province
Guilan

Postal code
4188794755

Approval date
2019-03-13, 1397/12/22

Ethics committee reference number
IR. GUMS.REC.1397.479

Health conditions studied

1

Description of health condition studied
hearing loss individual

ICD-10 code
H91

ICD-10 code description
Other and unspecified hearing loss

Primary outcomes

1

Description
balance

Timepoint
measurement of balance tests before and after 6of 6 week intervention

Method of measurement
functional test of balance

2

Description
the timed up and go

Timepoint
subtest of bruninks oseretsky test

Method of measurement
the duration of this test

Secondary outcomes

1

Description
Balance"

Timepoint
Tests for relevant tests after 6 weeks"

Method of measurement
Bronkins - oseretsky test"

2

Description
Motor function

Timepoint
Tests for relevant tests after 6 weeks"

Method of measurement
Bronkins - oseretsky test"

Intervention groups

1

Description
Intervention group: The intervention group carries out a training session on Vestibular stimulation for 6 weeks, every 3 sessions per week.

Category
Rehabilitation

2

Description
Control group: There is no intervention.

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Preschool and Deaf Language School, Ghotbzadeh

Full name of responsible person
Pourfathi Hadith

Street address
Preschool school and schoolGotb zadeh elementary,Imam's sister's stepmother, Motehari street

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4173653137

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mghotbzadeh1@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Rasht University of Medical Sciences

Full name of responsible person
Mirhoseini Seyed Ziaaedin

Street address
5th Kilometer Gazvin Road, Khalij fars Highway,Rasht Down

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4199613776

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szmirhoseini@gmail.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
No

Title of funding source
Rasht University of Medical Sciences

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
Rasht University of Medical Sciences

Full name of responsible person
Mousavi zadeh Vahideh sadat

Position
Msc Student

Latest degree
Bachelor

Other areas of specialty/work
Sport injory and corrective exercise

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Faculty of physical education and sport sience, 5th Kilometer Gazvin-tehran Road, Rasht

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All variable data measured after unidentifiable individuals can be shared

When the data will become available and for how long

Startingin january 2020

To whom data/document is available

Only for researchers working in academic and scientific institutions

Under which criteria data/document could be used

Scientific use in improving and comparing with other research is allowed

From where data/document is obtainable

E-mail address for correspondence

What processes are involved for a request to access data/document

Applicants should send the reason for using the documentation to an E-mail.

Comments