

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

Effects of altered auditory feedback on stuttering frequency of people who stutter

Protocol summary

Summary

Objective: The aim of present study is to investigate the effects of different altered auditory feedback conditions, including delayed auditory feedback (DAF) and frequency altered feedback (FAF), on stuttering frequency by means of percentage of syllables stuttered in persons who stuttered during monologue speech production. **Methods:** 22 persons who stuttered aged above 17 years will produce 14 monologue speech samples and 308 samples in total during 2 sessions under 6 different altered auditory feedback conditions and one control condition by Fluency Coach Software.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014061618107N1**

Registration date: **2014-09-13, 1393/06/22**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-09-13, 1393/06/22

Registrant information

Name

Nima Arbabshirani

Name of organization / entity

School of rehabilitation; Isfahan University of Medical Science

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research; Isfahan University of medical sciences

Expected recruitment start date

2013-10-27, 1392/08/05

Expected recruitment end date

2014-05-10, 1393/02/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of altered auditory feedback on stuttering frequency of people who stutter

Public title

Effects of altered auditory feedback on stuttering

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Developmental stuttering diagnosis by speech and language pathologist; chronological age at least 17 and above; Hearing threshold levels within normal limit; No other speech treatments during the research. Exclusion criteria: Lack of tendency to continue and cooperate in research; Using behavioral stuttering reduction strategies.

Age

From **17 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 22

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 Isfahan University of medical sciences

Street address

Isfahan University of medical sciences, Hezar jerib Ave

City

Isfahan

Postal code

Approval date

2014-01-07, 1392/10/17

Ethics committee reference number

392536

Health conditions studied

1

Description of health condition studied

stuttering[stammering]

ICD-10 code

F98.5

ICD-10 code description

Speech that is characterized by frequent repetition or prolongation of sounds or syllables or words, or by frequent hesitations or pauses that disrupt the rhythmic flow of speech. It should be classified as a disorder only if its severity is such as to ma

Primary outcomes

1

Description

Percentage of syllables stuttered(SS%)

Timepoint

post intervention and control condition

Method of measurement

Stuttering measurement system software

Secondary outcomes

1

Description

-

Timepoint

-

Method of measurement

-

Intervention groups

1

Description

Intervention group: altered auditory feedback in 6 levels: 65 millisecond delay; 75 millisecond delay; 65millisecond delay plus 0.5 octave increment; 65 millisecond delay minus 0.5 octave decrement; 75 millisecond plus 0.5 octave increment; 75 millisecond minus 0.5 octave decrement.

Category

Rehabilitation

2

Description

Control group: Non altered auditory feedback

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Speech therapy section; Al Zahra medical center

Full name of responsible person

Alireza same

Street address

Speech therapy section, Rehabilitation clinic, Al Zahara medical center, Sofeh Ave

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Isfahan University of medical sciences

Full name of responsible person

Peiman Adibi

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Vice chancellor for research of Isfahan University of medical sciences, Hezar jerib Ave

City

Isfahan
Grant name
-
Grant code / Reference number
-
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor for research of Isfahan University of medical sciences
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

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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