

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Aug 2026

Effectiveness of intensive laryngeal manual therapy on quality of voice in patients with muscle tension dysphonia

Protocol summary

Study aim

Investigating the effects of manual massage therapy in the form of intensive sessions (12 sessions (6 sessions per week)) on voice quality in people with dysphonia caused by muscle tension.

Design

The design of the study is single subject and each person is considered as her own control and we do not have a control group and treatment will be provided to all people.

Settings and conduct

Acoustic room of Hamadan Medical Sciences
Rehabilitation Faculty

Participants/Inclusion and exclusion criteria

Dysphonic participants who have muscle tension. They do not have polyps, nodules, spasmodic dysphonia, chronic fatigue syndrome, and a history of thyroid surgery (determined by laryngoscopy) and have type 1 MTD. Patients should not have any surgery history, temporomandibular joint problems, short neck, neurological and behavioral problems.

Intervention groups

In the first phase, no intervention is provided and the individual's speech sample is recorded for six days and every other day at three points for perceptual and acoustic evaluation. In the intervention phase, which includes 12 sound therapy sessions, MCT and LMT treatments will be provided. During the intervention, data collection is done at 6 points by perceptual and acoustic evaluation. During the follow-up phase, the basic evaluation process will be repeated.

Main outcome variables

maximum phonation time, jitter, shimmer, fundamental frequency, first formant, harmonic to noise ratio, Pain level, TENs level, GRBAS scores, age, sex, intervention

General information

Reason for update

Acronym

MTD

IRCT registration information

IRCT registration number: **IRCT20230403057804N2**

Registration date: **2023-07-03, 1402/04/12**

Registration timing: **retrospective**

Last update: **2023-07-03, 1402/04/12**

Update count: **0**

Registration date

2023-07-03, 1402/04/12

Registrant information

Name

Kowsar Baghban

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 1571

Email address

baghban.kowsar@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-06-25, 1402/04/04

Expected recruitment end date

2023-07-01, 1402/04/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

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Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Speech Therapy Clinics in Hamadan University of medical science M

Full name of responsible person

Kowsar Baghban

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Hamedan 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

Hamedan University of Medical Sciences

Full name of responsible person

Kowsar Baghban

Position

Assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for scientific inquiries

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available