

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Comparative study of the effects of music therapy and auriculotherapy on the pain of postoperative Orthopedic surgery

Protocol summary

Study aim

determinating the effect of auriculotherapy and music therapy on the pain after orthopedic surgery

Design

The clinical trial had a control group, one-way blind, randomized and 30 people participated in each group

Settings and conduct

The place of study is the surgery,s ward of Ali ibn Abitaleb Hospital in Rafsanjan city. Individuals are randomly divided into groups and receive the desired care

Participants/Inclusion and exclusion criteria

Inclusion criteria: Orthopedic surgery, ear's health for auriculotherapy and music therapy Exclusion criteria:Foreigners

Intervention groups

Samples in all of the three groups are studied from 6 hours after the orthopedic surgery to 24 hours later. In the music therapy group, intervention takes place for 20 minutes twice 6 and 30 hours after the orthopedic surgery. In auriculotherapy group, the ear seeds are attached for 24 hours. In control group, the researcher is present at the patient's bedside for 20 minutes twice 6 and 30 hours after the surgery without any intervention. The pain is measured by VAS just before and 20 minutes after each intervention for all three groups.

Main outcome variables

pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20131228015965N21**

Registration date: **2021-10-18, 1400/07/26**

Registration timing: **retrospective**

Last update: **2021-10-18, 1400/07/26**

Update count: **0**

Registration date

2021-10-18, 1400/07/26

Registrant information

Name

Majid Kazemi

Name of organization / entity

Rafsanjan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

dr.kazemi.n@rums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-03-19, 1398/12/29

Expected recruitment end date

2020-05-20, 1399/02/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative study of the effects of music therapy and auriculotherapy on the pain of postoperative Orthopedic surgery

Public title

Comparing the effects of music therapy and auriculotherapy on the pain of postoperative orthopedic

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Elective surgery - orthopedic surgery (foot surgery, hand surgery, etc.) Ear,s health for music therapy and auriculotherapy

Exclusion criteria:

Foreigners

Age

No age limit

Gender

Both

Phase

0

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

By Simple randomization method and through lottery , it is determined which intervention should be used in each session

Blinding (investigator's opinion)

Single blinded

Blinding description

the person evaluating the pain is blind to the intervention

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Rafsanjan University of Medical Sciences

Street address

Imam Ali Blvd

City

Rafsanjan

Province

Kerman

Postal code

7717937555

Approval date

2019-02-27, 1397/12/08

Ethics committee reference number

IR.RUMS.REC.1397.235

Health conditions studied

1

Description of health condition studied

Pain in patients undergoing orthopedic surgery

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

pain

Timepoint

Before intervention - Immediately after intervention - 24 hours after intervention

Method of measurement

Visual Analogue Scale

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: music therapy is done for 20 minutes twice ; six hours and thirty hours after orthopedic surgery.

Category

Rehabilitation

2

Description

Intervention group 2: Earrings will be installed in the ears for 24 hours 6 hours and 30 hours after orthopedic surgery.

Category

Rehabilitation

3

Description

En Intervention group3: In control group, researcher is present at the patient,s bed doing nothing for 20 minutes, twice: 6 hours and 30 hours after orthopedic surgery

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Rafsanjan Ali-ibn Abi-Talib Hospital

Full name of responsible person

Dr. Majid Kazemi

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Parastar street

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

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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

Rafsanjan 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**

Rafsanjan University of Medical Sciences

Full name of responsible person

Dr. Majid Kazemi

Position

Phd

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Web page address**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