Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of the music on amount of analgesic and sedative medicines intake after coronary artery bypass graft in patients of Cardiac Surgery ward of shariati hospital of Tehran city in 2014

Protocol summary

Summary

Study purpose: to determine the effect of music on the intake of analgesics and sedative drug in patients with coronary artery bypass graft surgery unit. Inclusion criteria: no drug abuse; no hearing impairment; absence of chronic pain; prescription painkillers and sedatives as needed (PRN); patients with an age range of 35 to 80 years old. Exclusion criteria: unwillingness of patients to continue to participate in the study; patients with a history of psychiatric disorders and anxiety; patients with sensory disorders; patients with a history of recent surgery; the duration of weaning from ventilator more than a day; listening to music during the study in the control group. The study population included all patients admitted to the intensive care unit open heart surgery, Shariati Hospital in Tehran from February to May 2014. Participants included 50 patients, open heart surgery were randomly assigned to two groups of intervention and control. The intervention consisted of 4 sessions of music listening with Hands free in the two firths day after surgery; each day we use two sessions, one in morning and one in the afternoon and each session include 30 minute. It should be mentioned that patients choice their interest music from the list that before selected by researcher and had the tempo between 60 - 80 beat / min .at the end of study we will comparison the amount of analgesic and sedative drug between control and intervention group.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015042621960N1**
Registration date: **2015-06-22, 1394/04/01**
Registration timing: **retrospective**
Last update:
Update count: **0**

Registration date

2015-06-22, 1394/04/01

Registrant information

Name

Shahram Ghorbani

Name of organization / entity

Gazvin University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 21 7711 3346

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Recruitment status

Recruitment complete

Funding source

Gazvin University of Medical Sciences

Expected recruitment start date

2015-01-30, 1393/11/10

Expected recruitment end date

2015-05-22, 1394/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of the music on amount of analgesic and sedative medicines intake after coronary artery bypass graft in patients of Cardiac Surgery ward of shariati hospital of Tehran city in 2014

Public title

The Effect of the music on amount of analgesic and sedative medicines intake

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: no drug abuse; no hearing impairment; absence of chronic pain; prescription painkillers and sedatives as needed (PRN); patients with an age range of 35 to 80 years old. Exclusion criteria: unwillingness of patients to continue to participate in the study; patients with a history of psychiatric disorders and anxiety; patients with sensory disorders; patients with a history of recent surgery; the duration of weaning from ventilator more than a day; listening to music during the study in the control group.

Age

From **35 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin University of Medical Sciences

Street address

Qazvin University of Medical Sciences, Bahonar Boulevard

City

Qazvin

Postal code

3419759811

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

5/20/9887

Health conditions studied

1

Description of health condition studied

Coronary artery disease

ICD-10 code

I25.1

ICD-10 code description

Atherosclerotic heart disease

Primary outcomes

1

Description

analgesic and sedative drugs

Timepoint

One day before intervention until two days after intervention

Method of measurement

The number of doses of the drug

Secondary outcomes

1

Description

respiration

Timepoint

Before the intervention and after intervention

Method of measurement

The number of breaths per minute

2

Description

heart rate

Timepoint

Before the intervention and after intervention

Method of measurement

The number of heart rate per minute

3

Description

blood pressure

Timepoint

Before the intervention and after intervention

Method of measurement

MmHg

4

Description

pain score

Timepoint

Before the intervention and after intervention

Method of measurement

pain scale score

Intervention groups

1

Description
Intervention group: listening to music in the first two days after surgery, each time for 30 minutes in the morning and afternoon. It is mentioned additional interference when listening to music is not performed on patients. Before the intervention, the pain using a numeric scale of pain and heart rate, RR that can be measured as a measure to reduce the pain. Upon completion of this measure and music above the pre comparison. It is mentioned in the above-mentioned measure only once the intervention sessions

Category
Other

2

Description
Control group: in the first two days after surgery once the heart rate and respiratory rate per minute as well as the intensity of pain was measured using a scale score for pain. And then after half an hour without intervention the patient is re-measured and these values were compared with the previous findings of the study group

Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Dr. Shariati Hosoital
Full name of responsible person
shahram ghorbani (master student of nursing)
Street address
Dr. Shariati Hospital, North Karegar Ave.
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Qazvin University of Medical Sciences
Full name of responsible person
Taghi Naserpoor Farivar
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Qazvin University of Medical Sciences, Bahonar boulevard
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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
Qazvin 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
Name of organization / entity
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Shahram Ghorbani
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Person responsible for scientific inquiries

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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