

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

The effect of music upon patients' pain level after open-heart surgery

Protocol summary

Summary

The purpose of this study is to survey music effect upon patients' pain after open heart surgery. 60 patients to operate open-heart surgery will select. They are randomly divide to intervention and control groups. In the beginning, they will complete the VAS questionnaires. Vital sign will control. Then in the intervention group, patients listened to non-vocal music for 30 minutes. Control group during the same time will receive standard treatment. The VA questionnaires will fill out by the patient and vital sign will fill out by the researcher, again. Ultimately, Two groups are compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201406028348N7**

Registration date: **2014-06-14, 1393/03/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-06-14, 1393/03/24

Registrant information

Name

Neda Mirbagher

Name of organization / entity

Kashan University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 36 1555 0021

Email address

mirbagher_n@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kashan University of Medical Sciences

Expected recruitment start date

2013-08-29, 1392/06/07

Expected recruitment end date

2014-05-08, 1393/02/18

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of music upon patients' pain level after open-heart surgery

Public title

Effect of music upon patients' pain level

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Age over 18 years, Literacy, The first day after CABG surgery or valve replacement, Having pain over 4 on the VAS Chart. Exclusion criteria: Emergency surgery, Chronic Pain, Hearing loss and hemodynamic instability

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

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

Kashan University of Medical Sciences

Street address

Kashan, Ravand Street, Kashan University of Medical Sciences

City

Kashan

Postal code

8715981151

Approval date

2013-06-18, 1392/03/28

Ethics committee reference number

9246

Health conditions studied

1

Description of health condition studied

Music

ICD-10 code

Z50

ICD-10 code description

Care involving use of rehabilitation procedures

Primary outcomes

1

Description

Pain

Timepoint

Before and after intervention

Method of measurement

VAS Questionnaire

Secondary outcomes

1

Description

Vital Signe

Timepoint

Before and after intervention

Method of measurement

Measuring pulse, respiration and blood pressure

Intervention groups

1

Description

In the intervention group music will be played for 30 minutes.

Category

Prevention

2

Description

In the control group, the music will not play.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Kashan, Beheshti Hospital

Full name of responsible person

Neda Mirbagher

Street address

Ravand, Parastar Street, Kashan University of Medical sciences

City

Kashan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

Neda Mirbagher

Street address

Ravand, Parastar Street , Kashan University of Medical sciences

City

Kashan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kashan 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**

Kashan University of Medical Sciences

Full name of responsible person

Neda Mirbagher

Position

MS

Other areas of specialty/work**Street address**

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Postal code**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*