

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of the effect of multimedia training on postoperative delirium and pre- and postoperative anxiety in patients undergoing coronary artery bypass graft

Protocol summary

Summary

The purpose of this study was to investigate the effect of education using Multi-Media on postoperative delirium and anxiety in patients undergoing coronary artery bypass surgery. The subjects in this study were consisted of patients undergoing CABG in Amiralmomenin Hospital, Kordkoy. This study was a double blind parallel clinical trial. A total of 110 patients, selected based on inclusion and non-inclusion criteria were randomly assigned to the experimental and control groups. Randomization was performed using block randomization. In the experimental group, a CD containing educational short films were given to the patients 4 to 7 days before the operation. Before the operation, Spielberger questionnaire was completed in three stages among the members of both groups to determine the level of anxiety. The first stage was 5-7 days before surgery and before the intervention, the second stage was the day before operation and the third stage was after postoperative extubation. Assessment of delirium as the main outcome was carried out using CAM-ICU scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016062828686N1**
Registration date: **2017-04-21, 1396/02/01**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-04-21, 1396/02/01

Registrant information

Name

Kowsar Fahimi

Name of organization / entity

Shahrood University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 17 3254 5715

Email address

k.fahimi@goums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Shahrood University of Medical Sciences

Expected recruitment start date

2016-08-22, 1395/06/01

Expected recruitment end date

2017-02-19, 1395/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of multimedia training on postoperative delirium and pre- and postoperative anxiety in patients undergoing coronary artery bypass graft

Public title

The effect of education on postoperative complications of coronary artery bypass surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: patients who did not have delirium,

unconsciousness, a history of Alzheimer's disease before surgery; no history of coronary artery surgery :patients without postoperative complications such as cardiogenic shock, myocardial rupture and

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **110**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

A randomized block design

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Shahrood University of Medical Sciences

Street address

Hafte-Tir Square

City

Shahrood

Postal code**Approval date**

2017-02-06, 1395/11/18

Ethics committee reference number

IR.SHMU.REC.1395.31

Health conditions studied**1****Description of health condition studied**

Coronary Artery Surgery

ICD-10 code

-

ICD-10 code description

-

Primary outcomes**1****Description**

Delirium

Timepoint

After Coronary Artery Bypass Surgery

Method of measurement

Questionnaire

Secondary outcomes**1****Description**

Anxiety

Timepoint

Before and After coronary artery bypass surgery

Method of measurement

questionnaire

Intervention groups**1****Description**

Intervention group: 4 to 7 days before the operation, a CD containing educational short films by cardiologists, nurses of the ICU open heart surgery and patients who had undergone coronary artery bypass surgery were given to the patients.

Category

Prevention

2**Description**

Control group: In the control group, no intervention was operated.

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Kordkoy Amiralmomenin Hospital

Full name of responsible person

Kowsar Fahimi

Street address

Mirza Kochak Khan Jangali street, Amiralmomenin Square

City

Kordkoy

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Shahrood University of Medical Sciences

Full name of responsible person

PHD, Hossein Ebrahimi

Street address

Haft-Tir Square

City

Shahrood

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 Shahrood 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**

Shahrood University of Medical Sciences

Full name of responsible person

Kowsar Fahimi

Position

Intensive Care Nursing Post Graduate Student

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Web page address

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