

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The effect of peer education on anxiety and self-efficacy of patients candidate for coronary artery bypass graft surgery

Protocol summary

Summary

Objective: Cardiovascular disease is the most common cause of death worldwide. Despite medical treatment, surgical treatment is considered the best choice. The importance of reducing anxiety and improving self-efficacy in these patients led to a study of the impact of peer education on anxiety and self-efficacy of patients should be candidates for coronary artery bypass graft surgery. Inclusion criteria: heart surgery for the first time, no anxiety, and physical disabilities aged 40 to 70 years. Exclusion criteria included age above mentioned, having a physical disability, is having anxiety and sedative drugs. 60 patients were recruited from patients scheduled for coronary artery bypass graft surgery. The studies intervention is peer education.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201205029623N1**

Registration date: **2013-01-06, 1391/10/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-01-06, 1391/10/17

Registrant information

Name

Morteza Shamsizadeh

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2012-03-05, 1390/12/15

Expected recruitment end date

2012-06-18, 1391/03/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of peer education on anxiety and self-efficacy of patients candidate for coronary artery bypass graft surgery

Public title

The Effects of peer education on anxiety and self efficacy of coronary artery bypass graft surgery patients

Purpose

Other

Inclusion/Exclusion criteria

Patients with the first scheduled for CABG surgery have been problems; cognitive disabilities; physical and medical education; or related to it have; ranging from age 40 to 70 years have a medical diagnosis earlier anxiety and depression are not the anti-anxiety drugs do not use anti-depressants.

Age

From **40 years** old to **70 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)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tehran University of Medical Sciences

Street address
Qods street, Keshavarz Bolvar, Tehran

City
Tehran

Postal code

Approval date
2012-02-25, 1390/12/06

Ethics committee reference number
130/2329/90/3

Health conditions studied

1

Description of health condition studied
Ischemic Heart Disease

ICD-10 code
I25.1

ICD-10 code description
Atherosclerotic heart disease

Primary outcomes

1

Description
anxiety

Timepoint
Admission day, Before surgery, five days and four weeks after surgery

Method of measurement
Spielberger state-trait anxiety inventory

2

Description
self efficacy

Timepoint
five days and four weeks after surgery

Method of measurement
Cardiac Self-efficacy questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group, receives peer education

Category
Other

2

Description
Control groups, receives routine education

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Shariati Hospital

Full name of responsible person
Ms Khorami

Street address
Karegarshomali Street, Tehran

City
Tehran

2

Recruitment center

Name of recruitment center
Imam Khomeini Hospital

Full name of responsible person
Ms Mahdoodeh

Street address
Keshavarz Bolvar, Tehran

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tehran University of Medical Sciences

Full name of responsible person

Azam Bahiraei

Street address

Faculty of Nursing and Midwifery of Tehran, Tohid SQ,
Tehran

City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tehran 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**

Tehran University of Medical Sciences

Full name of responsible person

Morteza Shamsizadeh

Position

Master of Science Student

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

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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