

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparative Study of the Effect of peer group and Orientation Program on patients' Anxiety Before Coronary Artery Bypass Graft (CABG) Surgery

Protocol summary

Summary

This study will be performed with the aim to compare and examine the effects of using peer group and orientation program on anxiety level of the patients before coronary artery bypass graft (CABG) surgery. In this clinical trial, 150 patients who are referred to Fatemeh Zahra educational hospital in Sari city (Iran) and are candidate for CABG surgery, are recruited through convenience sampling and then they are randomly assigned into two intervention groups including peer group and orientation program and one control group. There are 50 patients in each group. The inclusion criteria consist of: having CABG surgery for the first time, age more than 18 years old, being able to read and write, not having other serious physical and mental disorder, not having history of anxiety and depression and not using sedative drugs. The exclusion criteria are: not being consent to continue participation in the study, getting sick or not having normal hemodynamic conditions during research. Anxiety levels of all the patients are measured the day before surgery. Patients in the peer group are trained for one hour by similar patients who underwent successful CABG surgery in the past and in orientation program group they are taught for 30 minutes by the researcher in the suitable place in the critical care unit and operating room of the hospital. In control group no intervention is provided and they only receive routine care of the units. After intervention the anxiety level of the patients are measured one hour before CABG surgery.

General information

Acronym

-

IRCT registration information

IRCT registration number: **IRCT2014102619677N1**

Registration date: **2014-12-01, 1393/09/10**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-12-01, 1393/09/10

Registrant information

Name

Ravanbakhsh Esmaeili

Name of organization / entity

Mazandaran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3336 7345

Email address

r.esmaeili@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor of research, Mazandaran University of Medical Sciences

Expected recruitment start date

2014-10-21, 1393/07/29

Expected recruitment end date

2015-01-18, 1393/10/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative Study of the Effect of peer group and Orientation Program on patients' Anxiety Before Coronary Artery Bypass Graft (CABG) Surgery

Public title

Comparative Study of the Effect of peer group and Orientation Program on patients' Anxiety Before

Coronary Artery Bypass Graft (CABG) Surgery

Purpose
Supportive

Inclusion/Exclusion criteria
The inclusion criteria consist of: having CABG surgery for the first time; age more than 18 years old, being able to read and write; not having other serious physical and mental disorder; not having history of anxiety and depression and not using sedative drugs. The exclusion criteria are: not being consent to continue participation in the study; getting sick or not having normal homodynamic conditions during research.

Age
From **18 years** old to **85 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **150**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
In this study randomization includes random sampling by using block every week. The sampling starts for the group that randomly selected for the first week and then the second group is randomly selected for the second week and the sampling continues for the third group and this sequence is repeated until necessary number of patients are recruited.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Mazandaran University of Medical Sciences

Street address

Imam Sq, Joybar 3way, Start of valiye asr highway, Mazandaran University of Medical Sciences, Sari, Mazandaran

City

Sari

Postal code

4817844718

Approval date

2014-10-20, 1393/07/28

Ethics committee reference number
1183

Health conditions studied

1

Description of health condition studied

cvd

ICD-10 code

125.1

ICD-10 code description

Atherosclerotic heart disease

Primary outcomes

1

Description

Anxiety

Timepoint

One day presurgery and one hour presurgery

Method of measurement

Spielberger state anxiety Inventory

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group1: peer group: In the peer group, patients are trained by someone who has a history of a successful coronary artery bypass graft (CABG) surgery for one hour. The education content includes CABG surgery and care before and after the operation.

Category

Other

2

Description

Intervention group2: Orientation program: In orientation program group, this program is provided by the researcher for 30 minute to become the patients familiar with the equipments of the ICU and operating room as well as care before and after coronary artery bypass graft (CABG) surgery. This education is provided in one day before the CABG surgery in the ICU and operating room.

Category

Other

3

Description

Control group: In control group no intervention is provided and they only receive routine care of the units.

Category

N/A

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

Fatemeh Zahra Hospital, Mazandaran University of Medical Sciences

Full name of responsible person

Rahman Ghafari

Street address

Artesh Blv, Fatemeh Zahara Hospital, Mazandaran University of Medical Sciences, Sari, Mazandaran

City

Sari

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

Ethics committee of Mazandaran University of Medical Sciences

Full name of responsible person

Ahmad Ali Enayati

Street address

Imam Sq, Joybar 3way, Start of valiye asr highway, Mazandaran University of Medical Sciences, Sari, Mazandaran

City

Sari

Grant name

-

Grant code / Reference number

-

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

Yes

Title of funding source

Ethics committee of Mazandaran 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**

Mazandaran University of Medical Science

Full name of responsible person

Hadi Nematian Jelodar

Position

critical care Nursing M.Sc Student

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

Imam Sq, Joybar 3way, Start of valiye asr highway, Mazandaran University of Medical Sciences, Sari, Mazandaran

City

Sari

Postal code

4749115918

Phone

+98 11 3245 2384

Fax

+98 11 3245 4153

Email

nematiyan_hadi@yahoo.com

Web page address

-

Person responsible for scientific inquiries**Contact****Name of organization / entity**

Mazandaran University of Medical Sciences

Full name of responsible person

Ravanbakhsh Esmaeili

Position

Ph.D

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

Imam Sq, Joybar 3way, Start of valiye asr highway, Mazandaran University of Medical Sciences, Sari, Mazandaran

City

Sari

Postal code

009833367345

Phone

0011

Fax

-

Email

r.esmaeili90@gmail.com

Web page address

-

Person responsible for updating data**Contact****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