Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The survey of effect of orientation tour with the process of surgery on anxiety in patients candidate for coronary artery bypass graft surgery: a randomized control trial

Protocol summary

Study aim
Effect of familiarization tour on the anxiety of patients undergoing coronary artery bypass graft (CABG)

Design
Clinical trials with control group, with parallel groups, single blind, randomized,

Settings and conduct
This study was an experimental study of a single-Blind controlled clinical trial to investigate the effect of the introduction tour about the process of surgery on the anxiety level of candidates for coronary artery bypass graft surgery. The studied population was the patients undergoing referred to the Shahid Chamran's heart hospital from February 2016 to May 2017.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Age over 40 years old, complete desire and satisfaction for collaboration, undergoing coronary artery bypass graft surgery (CABG) for the first time and ready for surgery, being able to read and write in Persian to complete the questionnaire. Non-Inclusion criteria: emergency candidate for CABG, acute or chronic physical and psychiatric disorders, any speech and hearing disorders, and medicine related education.

Intervention groups
Patients in the control group will be trained by routine care by the nurse of the department on the day before the surgery. The intervention group also will be trained about the process of surgery individually through an introduction tour. A team consisting of an anesthetic technician or a nurse and the researcher will be present. This tour which will last 40 min will include visiting one of the inactive rooms, the intensive care unit and the surgical department along with talking and becoming familiar with staff and patients of the departments; education and question and answer. In the last 15 min of the tour, the intervention group will meet and talk with patients who have undergone surgery in the past.

Main outcome variables
anxiety

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20180601039934N1**
Registration date: **2018-07-16, 1397/04/25**
Registration timing: **retrospective**

Last update: **2018-07-16, 1397/04/25**
Update count: **0**

Registration date
2018-07-16, 1397/04/25

Registrant information

Name
Mohammad Akbari

Name of organization / entity

Country
Iran (Islamic Republic of)

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+98 31 3458 2662

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-01-21, 1396/11/01

Expected recruitment end date
2018-05-20, 1397/02/30

Actual recruitment start date
empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The survey of effect of orientation tour with the process of surgery on anxiety in patients candidate for coronary artery bypass graft surgery: a randomized control trial

Public title

The survey of effect of orientation tour with the process of surgery on anxiety

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

The age over 40 years old Complete tendency and satisfaction to cooperate in the study Undergoing Coronary artery bypass graft surgery for the first time and ready for surgery being able to read and write in Persian to fill the questionnaire

Exclusion criteria:

patient being an emergency case for the coronary artery bypass graft surgery patient have acute or chronic physical and mental disorders patient had speaking and hearing disorders patient had education related to medical sciences.

Age

From **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

Then subjects were divided in two groups of control (35 patients) and intervention (35 patients), using a random allocation method (by flipping a coin) and this method continued so that the number of the samples was completed.

Blinding (investigator's opinion)

Single blinded

Blinding description

The data collection authorities that assessed the outcome did not have any information about the intervention or control group.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences

Street address

No. 40,Faculty of Nursing, Isfahan University of Medical Sciences , Hezarjrib Street

City

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Province

Isfehan

Postal code

8168196941

Approval date

2018-01-03, 1396/10/13

Ethics committee reference number

396704

Health conditions studied

1

Description of health condition studied

patients candidate for coronary artery bypass graft surgery

ICD-10 code

IX

ICD-10 code description

Diseases of the circulatory system

Primary outcomes

1

Description

anxiety in patients candidate for coronary artery bypass graft surgery

Timepoint

Measure the anxiety level of patients before intervention and before the surgery

Method of measurement

The information gathering tool is a three-part questionnaire. The first part is the demographic characteristics of the patients, the second part will be obvious anxiety and the third part of the hidden Spielberger 's anxiety.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: the training about the surgery will be provided to the patients in the afternoon of the day

before the surgery between 16 and 18 through a tour. In this tour, a team consisted of an anesthetist technician or a nurse and the researcher will be present. In addition, bed, DC shock, oxygen capsules and fully monitoring cardiac arrest will be present for the patients. The tour which will last 40 minutes will consist of visiting one of the inactive rooms in the evening shift of the operating room for 10 minutes, the intensive care unit for 5 minutes and the surgical section for 10 minutes along with training and question and answer frequently asked questions about the process of surgery and its problems and solutions. In the last 15 minutes of the tour, the intervention group will meet the patients who have undergone surgery in the past.

Category

Prevention

2

Description

Control group: The routine and individual training sessions will be received by the patients on the day before surgery between 16 and 18 o'clock

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Chamran's heart hospital in Isfahan

Full name of responsible person

Gholam Reza Maasoumi

Street address

No. 2, Moshtaq Street, , Salman Farsi St., BozorgMeher Square

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

University of Medical Sciences of Isfahan

Full name of responsible person

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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

University of Medical Sciences of Isfahan

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Reyhaneh Niknejad

Position

MSc Student in operating room

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD
No more information

Study Protocol
No - There is not a plan to make this available

Statistical Analysis Plan
No - There is not a plan to make this available

Informed Consent Form
No - There is not a plan to make this available

Clinical Study Report
No - There is not a plan to make this available

Analytic Code
No - There is not a plan to make this available

Data Dictionary
No - There is not a plan to make this available