Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of peer education on treatment adherence and quality of life in Coronary Artery Bypass Graft (CABG) patients

Protocol summary

Summary

This study is performed to investigate the effect of peer education on treatment adherence and quality of life in patients undergoing Coronary Artery Bypass (CABG) surgery. Three patients who had previously undegone CABG ,have a good quality of life (score of>37 from SF12) and an ability to educate are chosen as peer educators.The nurse researcher trains the peers for post CABG patient education through two sessions.The educational content is provided for them via an educational booklet.The peers perform three educational sessions for the CABG patients in the trial group during the first week of their hospital stay. The routine patient education is delivered for the control group.The short form of quality of life questionnaire (SF12) as well as the treatment adherence form are completed before, one month after and two month after the teaching .The acquired mean scores are compared between the groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017060623670N2**
Registration date: **2017-06-19, 1396/03/29**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-06-19, 1396/03/29

Registrant information

Name

Farzaneh Golaghaie

Name of organization / entity

Arak University of Medical Sciences

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research Deputy of Arak University of Medical Sciences

Expected recruitment start date

2016-10-05, 1395/07/14

Expected recruitment end date

2017-02-06, 1395/11/18

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of peer education on treatment adherence and quality of life in Coronary Artery Bypass Graft (CABG) patients

Public title

Effect of peer education on treatment adherence and quality of life in Coronary Artery Bypass Graft (CABG) patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: The patient undergoes coronary artery bypass graft for the first time; there were no mental or physical disorder; the age of 40 to 70 years; be able to speak Persian; have the facilities to communicate with telephone; the patient has no medical related graduation; Exclusion criteria: Death of the patient during the study; loss of ability to care himself/herself

due to a new physical illness; refuse to continue participating in the study

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: **70**

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

Ethics Committee of Arak University of Medical Sciences

Street address

Payambar Azam Academic Site, Basij Square

City

Arak

Postal code

6941738481

Approval date

2016-10-05, 1395/07/14

Ethics committee reference number

IR.ARAKMU.REC.1395.206

Health conditions studied

1

Description of health condition studied

Atherosclerotic heart disease

ICD-10 code

I25.1

ICD-10 code description

Atherosclerotic heart disease

Primary outcomes

1

Description

Treatment adherence

Timepoint

one month and two month after intervention

Method of measurement

Treatment adherence questionnaire

2

Description

Quality of life

Timepoint

before intervention, one month and two month after intervention

Method of measurement

SF12 questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Three patients who had previously undegone CABG ,have a good quality of life (score of>37 from SF12) and an ability to educate are chosen as peer educators.The nurse researcher trains the peers for post CABG patient education through two sessions.The educational content is provided for them via an educational booklet.The peers perform three educational sessions for the CABG patients in the trial group during the first week of their hospital stay.

Category

Other

2

Description

In control group,patient education is performed according to the ward routines.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shariati Hospital

Full name of responsible person

Shahrzad Esmailie Kalantari

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research Deputy of Arak University of Medical Sciences
Full name of responsible person
Dr. Ali Ghazavi
Street address
Payambar Azam Academic site, Basij Square
City
Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research Deputy of Arak 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
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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