Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison the effect of family participated and common cardiac rehabilitation on quality of life in patients undergoing coronary artery bypass graft surgery

Protocol summary

Summary

Objective: To determine the impact of family participated cardiac rehabilitation on quality of life in patients undergoing coronary artery bypass graft surgery in Hamadan Ekbatan hospital. Study design: Randomized. Sample Size: 60 patients. Study population: Patients undergoing Coronary Artery Bypass Graft Surgery. Major inclusion criteria: Ability to understand and speak Persian, Ability to complete the questionnaire and do the interviews, Presence of a family member beside patient, Range of age between 30 and 70 years old. Major exclusion criteria: Not refer to the rehabilitation center for any reason, existing from the low-risk patient`list. Intervention: The control group receives only routine cardiac rehabilitation program but families will participate in cardiac rehabilitation in intervention group. Primary outcomes: Quality of life in patients undergoing coronary artery bypass graft surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012120811697N1**
Registration date: **2013-06-02, 1392/03/12**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-06-02, 1392/03/12

Registrant information

Name

Mahdi Torkamani

Name of organization / entity

Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1824 9249

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for Research and Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2013-02-19, 1391/12/01

Expected recruitment end date

2013-07-16, 1392/04/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of family participated and common cardiac rehabilitation on quality of life in patients undergoing coronary artery bypass graft surgery

Public title

The cardiac rehabilitation effects on quality of life after coronary artery bypass graft surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion Criteria: Ability to understand and speak Persian; Ability to complete the questionnaire and do the interviews; Presence of a family member beside patient; Range of age between 30 to 70 years. Exclusion Criteria: Not refer to the rehabilitation center for any reason; Out

of the low-risk patients`list.

Age
From **30 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)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
As patients are referred to the center gradually so randomization is to select the patients by Coin toss.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Hamadan University of Medical Sciences

Street address
Hamadan University of Medical Sciences, Shahid Fahmideh st.

City
Hamadan

Postal code

Approval date
2013-02-14, 1391/11/26

Ethics committee reference number
4018/9/35/16/پ/ر

Health conditions studied

1

Description of health condition studied
The condition after Coronary Artery Bypass Graft Surgery.

ICD-10 code
121.0

ICD-10 code description
Ischemic Heart Disease.

Primary outcomes

1

Description
Quality of life

Timepoint
At the beginning of intervention and 2 month after the end of intervention

Method of measurement
Macnew Heart Related Quality of Life Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
In this study, during routine cardiac rehabilitation in center for intervention group, education and home based rehabilitation is doing with cooperation of patient`s family at home as well. Educations include emphasizing on walking, diet, stress management and having adequate sleep.

Category
Rehabilitation

2

Description
For control group, only routine cardiac rehabilitation program is conducted at Center.

Category
Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center
Hamadan Ekbatan Hospital

Full name of responsible person
Mahdi Torkamani

Street address
Iran

City
Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor of Research and Technology of Hamadan University of Medical Sciences.

Full name of responsible person
Ali Ghaleiha

Street address
Shahid Fahmideh St.
City
Hamadan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor of Research and Technology of Hamadan 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