

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 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

Email address

m.torkamani@umsha.ac.ir

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**

Hamadan University of Medical Sciences

Full name of responsible person

Mehdi Torkamani

Position

MSc Student in Critical Care Nursing

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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