

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jul 2026

The effect of telephone follow up after discharge on the symptom, complications and readmission in the patients after coronary artery bypass graft surgery.

Protocol summary

Study aim

Determining the effect of telephone follow up on the symptoms, complications and re-admission of patients after coronary artery bypass graft surgery

Design

Randomized clinical trial, with control group, with parallel groups

Settings and conduct

The present study is a clinical trial with 70 patients undergoing coronary artery bypass graft surgery in Hamedan. Patients will be randomly assigned to control and intervention. In intervention group within 3 weeks after discharge, a phone call is made with patients. During the call, will be asked about symptoms such as angina, shortness of breath, fatigue, depression, sleep problems and if there is any other problem during the last week. And the repetition of any of the signs, their severity, interactions with physical activity, and interference with the pleasure of life will be asked. In the control group, no special action will be taken

Participants/Inclusion and exclusion criteria

Inclusion criteria: Patients who have been nominated for coronary artery bypass graft for the first time, Possibility to make phone calls
Exclusion criteria: Dissatisfied to participate in the study, Having the other chronic diseases before cardiac surgery

Intervention groups

Within 3 weeks after discharge, a phone call is made with patients. During the call, will be asked about symptoms such as angina, shortness of breath, fatigue, depression, sleep problems and pain in the site of operation, swelling of the feet, flutter or increase heart rate, anxiety and anorexia, and if there is any other problem during the last week. And the repetition of any of the signs, their severity, interactions with physical activity, and interference with the pleasure of life will be asked. In the control group, no special action will be

taken.

Main outcome variables

Signs of illness, complications and re-admission of patients

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160110025929N22**

Registration date: **2019-04-29, 1398/02/09**

Registration timing: **prospective**

Last update: **2019-04-29, 1398/02/09**

Update count: **0**

Registration date

2019-04-29, 1398/02/09

Registrant information

Name

Mehdi Molavi Vardanjani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 81 3422 5056

Email address

m.molavi@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-05-21, 1398/02/31

Expected recruitment end date

2020-05-20, 1399/02/31

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of telephone follow up after discharge on the symptom, complications and readmission in the patients after coronary artery bypass graft surgery.

Public title
Effect of telephone follow up on the symptom, complications and readmission

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria:
Possibility to make phone calls Patients who have been nominated for coronary artery bypass graft surgery for the first time Age between 40 to 70 years old
Exclusion criteria:
Having the other chronic diseases before cardiac surgery
Dissatisfied to participate 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
Firstly, they are selected by available sampling method. For random allocation, they will be divided into two groups of control and intervention from 6 of quadri blocks by random allocation. Thus, the letter A for the intervention group and the letter B for the control group will be considered.

Blinding (investigator's opinion)
Not 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 Hamadan University of Medical Sciences

Street address

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

City

Hamadan

Province

Hamadan

Postal code

38698-65178

Approval date

2019-02-26, 1397/12/07

Ethics committee reference number

IR.UMSHA.REC.1397.967

Health conditions studied

1

Description of health condition studied

Ischaemic heart diseases

ICD-10 code

I21

ICD-10 code description

ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction

Primary outcomes

1

Description

Symptom of disease

Timepoint

After intervention

Method of measurement

Check-list

2

Description

complications

Timepoint

After intervention

Method of measurement

Check-list

3

Description

Readmission

Timepoint

After intervention

Method of measurement

Check-list

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Within 3 weeks after discharge, a phone call is made with patients. During the call, will be asked about symptoms such as angina, shortness of breath, fatigue, depression, sleep problems and pain in the site of operation, swelling of the feet, flutter or increase heart rate, anxiety and anorexia, and if there is any other problem during the last week. And the repetition of any of the signs, their severity, interactions with physical activity, and interference with the pleasure of life will be asked.

Category

Rehabilitation

2

Description

Control group: In the control group, no special action will be taken.

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Farshchian hospital

Full name of responsible person

Masoud Khodaveisi

Street address

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Saeed Bashirian

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Grant name

Grant code / Reference number

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

No

Title of funding source

Deputy of research and technology

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

Hamedan University of Medical Sciences

Full name of responsible person

Masoud Khodaveisi

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Masoud Khodaveisi

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Nemat Chaghazardi

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available