

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jun 2026

Impact of short message system reminder on adherence to treatment plan, in discharged patients after coronary artery bypass graft surgery

Protocol summary

Summary

The purpose of this study is evaluating the Impact of short message system reminder on adherence to treatment plan, stress, anxiety and depression in discharged patients after coronary artery bypass graft surgery. This study is a randomized clinical trial. 102 patients who went under the coronary artery bypass graft surgery are included. Patients are randomly divided to 2 groups; intervention and control. Intervention group will receive a Text message containing medication regimen, dietary considerations and clinical teaching advices in days 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 after discharge. There is no intervention in Control group. After day 20 the Impact of short message system reminder on adherence to treatment plan, stress, anxiety and depression in discharged patients after coronary artery bypass graft surgery will be evaluated by patient adherence questionnaire.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201709139759N10**
Registration date: **2017-10-07, 1396/07/15**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-07, 1396/07/15

Registrant information

Name

Ali Bikmoradi

Name of organization / entity

Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Hamedan University of Medical Sciences

Expected recruitment start date

2017-03-20, 1395/12/30

Expected recruitment end date

2018-03-20, 1396/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Impact of short message system reminder on adherence to treatment plan, in discharged patients after coronary artery bypass graft surgery

Public title

Impact of short message reminder

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: complete consciousness; ability to read and write; being able to answer the questionnaire; having a cellphone and being able to use it; patients aged 40-60 years old. Exclusion criteria: unconsciousness; unstable health condition; being unintended to be involved in study; any reason which interrupts collaboration.

Age

From **40 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **102**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features

patients will randomly divided by block randomization method

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Hamedan University of Medical Sciences

Street address

Hamedan University of Medical Sciences, In front of Luna park, Pazhouhesh Cross , Hamadan

City

Hamedan

Postal code**Approval date**

2017-09-02, 1396/06/11

Ethics committee reference number

IR.UMSHA.REC.1396.416

Health conditions studied**1****Description of health condition studied**

coronary bypass surgery

ICD-10 code

T82

ICD-10 code description

Complications of cardiac and vascular prosthetic devices, implants and grafts

Primary outcomes**1****Description**

Rate of adhere to short message reminder

Timepoint

At baseline, in day 20

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: receiving shrt message reminder containing medication regimen and diet in days: 2, 4, 6, 8, 10, 12, 14, 16, 18.

Category

Other

2**Description**

Control group: not to receive anything

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Farshchian hospital of Hamedan

Full name of responsible person

Ali Bikmoradi

Street address**City**

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice Chancellor for research of Hamadan University of Medical Sciences

Full name of responsible person

Manuchehr Karami

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Hamedan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor**

organization/entity?

Yes

Title of funding source

Vice Chancellor for research 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**

nursing and midwifery school

Full name of responsible person

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Position

Assistant Professor

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Safura Omidvar

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Fax**Email****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