

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

The effect of telenursing (telephone follow up) after discharge on readmission due to complications of Coronary artery bypass graft surgery

Protocol summary

Summary

The aim of this clinical trial is to determine the effect of telephone follow up on complications of coronary artery bypass graft surgery i.e readmission in patients whom discharged from coronary artery bypass graft surgery in Rajaei Teaching Hospital in 2015. 120 patients before discharge from hospital randomly will divide into two group. Both two groups before discharge of the hospital will receive routine education about their necessary self-care at home by a nurse. Demographic and clinical data of the patients will be gathered. In the intervention group on the third to fifth days after discharge, telephone follow up will be conducted. The telephone follow up interviews include ten questions with yes and no answers. The questions are about the complications of bypass graft surgery. The collected Information during telephone interviews that indicate important potential health problems will report to the doctors. The control group will not receive any follow up phone calls. Both groups at 30th day of discharge will be considered for readmission due to complications after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201412205866N28**

Registration date: **2015-12-17, 1394/09/26**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-12-17, 1394/09/26

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Deputy of Research & Technology, Golestan University of Medical Sciences

Expected recruitment start date

2015-07-28, 1394/05/06

Expected recruitment end date

2016-03-07, 1394/12/17

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of telenursing (telephone follow up) after discharge on readmission due to complications of Coronary artery bypass graft surgery

Public title

The effect of telenursing (telephone follow up) after discharge on readmission due to complications of Coronary artery bypass graft surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: coronary artery bypass graft surgery for the first time; aged 30 to 70 years; the ability to answer questions; access to a phone or a mobile home; not having other chronic diseases (including epilepsy;

stroke; cancer ...); and history of major surgery (brain and pelvis) in the 6 months before admission in hospital; having hospitalization less than a week after surgery. Lack of referral to rehabilitation centers within a month after discharge. Exclusion criteria: patient's unwillingness to follow every step of the study; Doctors disagree

Age

From **18 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

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 Deputy for Research and Technology Golestan University of Medical Sciences

Street address

Golestan University Of Medical Sciences, Shastkola, Gorgan

City

Gorgan

Postal code

4934174515

Approval date

2015-07-23, 1394/05/01

Ethics committee reference number

IR.GOUMS.REC.1394.70

Health conditions studied

1

Description of health condition studied

coronary artery bypass graft

ICD-10 code

T82.2

ICD-10 code description

Mechanical complication of coronary artery bypass and valve grafts

Primary outcomes

1

Description

Readmission

Timepoint

30 days after discharge

Method of measurement

check list postoperative complications

Secondary outcomes

empty

Intervention groups

1

Description

Intervention is telephon follow up (Telenursing) of patients after coronary artery bypass surgery after discharge from hospital at home , on third and fifth day after getting dismissed from hospital , patients will recieve a phone call on behalf of the researcher. At this point phone form , which will be used to identify and examine the cases of side effects of surgery , will be filled by the researcher and relative consideration and consults will be offered.

Category

Prevention

2

Description

The control group . 30daye after getting dismissed from hospital for post cares-following side effects of heart surgery-patients will be examined.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Rajaee Cardiovascular Research Center

Full name of responsible person

Maryam Forouzesh

Street address

Rajay Hospital, Valiasr street

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Golestan University of Medical Sciences

Full name of responsible person

Dr Masood Khoshnya

Street address

Deputy of Research & Technology, Golestan
University of Medical Sciences , Shastkola

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Golestan 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

Golestan University of Medical Sciences

Full name of responsible person

Maryam Frouzesh

Position

Ms Student of Critical Nursing Care

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Dr Akram Sanagoo

Position

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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

