

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Comparing the effect of follow-up care by telephone and short message services on patients' quality of life after cardiac valve replacement surgery

Protocol summary

Summary

This clinical trial study was done on patients admitted for valve replacement surgery. Inclusion criteria included; Having literacy of reading and writing, Lack of speech and hearing problems, Possible access to telephone and mobile phone (ability to use short message by the patient or the closest person to him/her, Cardiac valve replacement surgery for the first time and age between 15 and 75 years old. Samples were chosen before surgery according to inclusion criteria by convenience sampling (based on target) and after written consent. They were in three groups of telephone-care follow-up, Short message follow-up and control in the form of random allocation (ball bag). Totally in this study 99 people were assessed (Thirty three people in telephone follow-up group, Thirty three people in short message follow-up group and thirty three people in control group). One booklet was given to all the three groups before discharge and with the content which was derived from the booklet; Education was given with the presence of the samples. In the telephone follow-up group, there was call contact in the first month two times per week, and in the second and third months one time per week before noon. In the short message follow-up group, one message had been sent daily before noon. There was no follow-up in control group. In this study patient's quality of life assessed by Nottingham quality of life questionnaire before and 3 months after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013031212797N1**

Registration date: **2013-08-19, 1392/05/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-08-19, 1392/05/28

Registrant information

Name

Fateme Ghafori

Name of organization / entity

Baqiyatallah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2245 1225

Email address

rbt@bmsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Baqiyatallah University of Medical Sciences

Expected recruitment start date

2011-10-23, 1390/08/01

Expected recruitment end date

2012-01-21, 1390/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of follow-up care by telephone and short message services on patients' quality of life after cardiac valve replacement surgery

Public title

The effect of follow-up care by telephone and short

massage services on patients' quality of life after cardiac valve replacement surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria; 1. Lack of suffering progressed form of diseases of vital organs (Motor disability, Rheumatoid Arthritis, Stroke and etc...) and psychopathy (Schizophrenia, Psychosis, Depression and...), 2. Having literacy of reading and writing, 3. Lack of speech and hearing problems, 4. Possible access to telephone and mobile phone (ability to use short massage by the patient or the closest person to him/her, 5. Cardiac valve replacement surgery for the first time, 6. age between 15 and 75 years old. exclusion criteria ; 1. Sample's unwillingness to cooperate at any stage of the research, 2. Appearance of physical and mental problems that lead to patient's disability at any stage of the research.

Age

From **15 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **99**

Randomization (investigator's opinion)

Randomized

Randomization description

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

Baqiyatallah University of Medical Sciences Ethics Committee

Street address

Baqiyatallah University of Medical Sciences, Mollasadra Street, Tehran

City

Tehran

Postal code

Approval date

2011-11-29, 1390/09/08

Ethics committee reference number

28

Health conditions studied

1

Description of health condition studied

Heart Valve Disorders

ICD-10 code

I39*

ICD-10 code description

Endocarditis and Heart valve Disorders in Diseases Classified Elsewhere

Primary outcomes

1

Description

Quality of Life

Timepoint

Before surgery, Three months after surgery

Method of measurement

Nottingham Quality of Life Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Short message Intervention: One message had been sent daily.

Category

Other

2

Description

Telephone Intervention: There was call contact in the first month two times per week, and in the second and third months one time per week.

Category

Other

3

Description

Control group : No follow - up.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Baqiyatallah Hospital

Full name of responsible person

Street address

Baqiyatallah Hospital, Mollasadra Street, Tehran, Iran

City

Tehran

2

Recruitment center

Name of recruitment center

Jamaran Hospital

Full name of responsible person

Street address

Jamaran Hospital, Jamaran Street, Tehran, Iran

City

Tehran

3

Recruitment center

Name of recruitment center

Shahid Rajayee Center

Full name of responsible person

Street address

Shahid Rajayee Center, Vali-asr Street, Tehran, Iran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Baqiyatallah University of Medical Sciences

Full name of responsible person

Morteza Izadi

Street address

Baqiyatallah University of Medical Sciences,
Mollasadra Street, Tehran, Iran

City

Tehran

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 Baqiyatallah 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

Baqiyatallah University of Medical Sciences

Full name of responsible person

Fateme Ghafori

Position

MSc.

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Baqiyatallah University of Medical Sciences

Full name of responsible person

Mahdi Sadeghi Sherme

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MSc.

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Position

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Other areas of specialty/work

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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