

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jul 2026

The study of the effect of family-centered care by short message service method on life expectancy, quality of life and self-efficacy in drug compliance in patients with acute myocardial infarction

Protocol summary

Study aim

Determining the effect of family-centered interventions by send message service on quality of life, life expectancy and effective self-efficacy on drug compliance in patients with acute myocardial infarction

Design

Clinical trial was randomized. sampling is easy and was done based on inclusion criteria. According to the sample size formula, 32 individuals were included in each sample, which increased to 40, including 10% sample loss. Samples were assigned to the control and intervention groups based on randomized random sampling software. Study is one blind

Settings and conduct

A randomized clinical trial study was conducted in Hajar Hospital and Kashani Hospital in Shahrekord. The samples are not know how classified in the control and test groups.

Participants/Inclusion and exclusion criteria

Criteria for entering the study: • The willingness of the patient and family member to participate in the study, Not having hearing: speech and vision problems: New diagnosis of acute myocardial infarction by the physician: Being an active member of the family to read and write short messages and complete questionnaire: Having a mobile phone and the ability to use it to answer the phone: receive: read:write and send messages to the active member of the family Exit criteria: Unwillingness of the patient or family member to co-operate: stage two or more of the disease

Intervention groups

intervention method in intervention group: In the intervention group, for a period of 12 weeks and 4 times a week, a text message will be sent with the content of the time, the amount of the drug and the necessary care. Patients in the control group receive routine hospital intervention.

Main outcome variables

Quality of life

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180127038530N1**

Registration date: **2018-09-29, 1397/07/07**

Registration timing: **retrospective**

Last update: **2018-09-29, 1397/07/07**

Update count: **0**

Registration date

2018-09-29, 1397/07/07

Registrant information

Name

Leila Ebrahimi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-01-10, 1396/10/20

Expected recruitment end date

2018-04-19, 1397/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
The study of the effect of family-centered care by short message service method on life expectancy, quality of life and self-efficacy in drug compliance in patients with acute myocardial infarction

Public title
Send Message Service self efficacy and quality of life and life expectancy

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
The patient's desire and the active participation of the family to participate in the study Not having hearing, speech and vision problems New diagnosis of acute myocardial infarction by a physician Being an active member of the family to read and write short messages Having a mobile phone and the ability to use it to answer the phone, receive, read, write and send SMS messages to the active member of the family Not having any confirmed mental illness in the patient and active member of the family The patient has no other illness other than a cardiovascular disease An active member of a family member of the patient who has the opportunity to receive text-lessons and transfer materials to the patient, and the patient has a chance to hear him.
Exclusion criteria:
Unwillingness of the patient or family member to continue cooperation stage two or more of the disease

Age
From **25 years** old to **70 years** old

Gender
Both

Phase
N/A

Groups that have been masked
• Participant

Sample size
Target sample size: **80**
Actual sample size reached: **70**

Randomization (investigator's opinion)
Randomized

Randomization description
Sampling was done in a convenient way and based on the inclusion criteria of patients referred to the heart department and CCU of Hajar Hospital and Kashani Hospital. According to the researcher's daily visit to the hospital, on the first day and the first appointment with the patient, he will select him as a research unit according to the conditions of entry. The samples were assigned randomly in two groups A and B respectively in the intervention and control groups based on the statistical software of the game.

Blinding (investigator's opinion)
Single blinded

Blinding description

To conduct the research a trained medical emergency specialist for acute myocardial infarction justified by the main executor for the purpose of the work, was used as a research associate for the researcher. The researcher's assistance after sampling and completion of the questionnaires a questionnaire it is delivered to the researcher and the researcher imports the samples in the control and sample groups based on the random distribution. Therefore, the patients are blinded to the distribution of samples in two groups of control and intervention. Only the completion of the questionnaire is done by the researcher.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shahrekord University of Medical Sciences

Street address

Kashani Ave

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8818843519

Approval date

2018-01-30, 1396/11/10

Ethics committee reference number

1396.234.IR.SKUMS.Rec

Health conditions studied

1

Description of health condition studied

Myocardial infarction

ICD-10 code

I21

ICD-10 code description

Acute myocardial infarction

Primary outcomes

1

Description

Quality Of Life

Timepoint

Before the intervention and 90 days after the

intervention began
Method of measurement
Mac New Questionnaire

2

Description

Self Efficacy in medical adherence

Timepoint

Before the intervention and 90 days after the intervention began

Method of measurement

Self-Efficacy for Appropriate Medication Use Scale

3

Description

Life Expectancy

Timepoint

Before the intervention and 90 days after the intervention began

Method of measurement

Schneider hope Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group for twelve weeks, 48 mobile SMS messages are sent every week to four educational short messages related to the diet, quality of life and life expectancy.

Category

Behavior

2

Description

Control group: Hospital routine intervention (drug delivery and training during clearance)

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Kashani Hospital

Full name of responsible person

Fereshte Aein

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Parastar Ave

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2

Recruitment center

Name of recruitment center

Hajar Hospital

Full name of responsible person

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahrekord University Medical science

Full name of responsible person

Research Deputy

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Web page address

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahrekord University Medical science

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

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Person responsible for general inquiries**Contact****Name of organization / entity**

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Fereshteh Aein

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Province

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

Only in condition of reviewer's need for data, the data will be send for them

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available