

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Comparison of the effect of multimedia education and telephone on illness perception and hope level in patients with myocardial infarction after discharge

Protocol summary

Study aim

Comparison of the effect of multimedia education and telephone on illness perception and hope level in patients with myocardial infarction

Design

A clinical trial was conducted with two intervention groups, parallel groups, and randomized

Settings and conduct

In this clinical trial, eligible individuals were randomly assigned to multimedia education and telephone training. During the discharge, discussions were conducted with patients about the intervention, and at the end of the phone number received 3 demographic and disease characteristics questionnaires , Understanding of illness and hope was completed.

Participants/Inclusion and exclusion criteria

Inclusion Criteria: Diagnosis of myocardial infarction based on clinical symptoms and positive results of diagnostic tests . Age range 60- 30 years. Ability to use phone or mobile phone and messenger software. Exclusion Criteria: Mental and psychiatric disorders, heart failure, hearing and vision disorders, unwillingness to participate in the study

Intervention groups

Educational materials for the telephone group were telephone contacts with the patient at the first, third and sixth post-discharge period. Educational materials for the multimedia tutoring group were delivered to the patient during the course (first, third and sixth) for each person on a private page via video, picture and text messages via the messenger.

Main outcome variables

Changing of illness perception and hope level of patients with myocardial infarction

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190607043834N1**

Registration date: **2019-11-07, 1398/08/16**

Registration timing: **retrospective**

Last update: **2019-11-07, 1398/08/16**

Update count: **0**

Registration date

2019-11-07, 1398/08/16

Registrant information

Name

Elham Nikkhah Beydokhti

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 5733 2686

Email address

nikkhah.e.stu@gmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-05-22, 1398/03/01

Expected recruitment end date

2019-06-22, 1398/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of multimedia education and telephone on illness perception and hope level in patients with myocardial infarction after discharge

Public title

Comparison of multimedia education and telephone on illness perception and hope level

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Diagnosis of myocardial infarction based on clinical symptoms and positive results of diagnostic tests Ability to use phone or mobile phone and messenger software

Exclusion criteria:

severe complication of the disease that cannot be cooperation, such as heart failure, mental disorders, stroke Not willing to cooperation

Age

From **30 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **32**

Randomization (investigator's opinion)

Not 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

Ethics committee of Gonabad University of Medical Sciences

Street address

Doctor Mahdizade Blvd, Gonabad city

City

gonabad

Province

Razavi Khorasan

Postal code

9691793718

Approval date

2018-10-06, 1397/07/14

Ethics committee reference number

IR.GMU.REC.1397.074

Health conditions studied

1

Description of health condition studied

myocardial infarction

ICD-10 code

I21

ICD-10 code description

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

Primary outcomes

1

Description

Score Illness Perception by Illness Perception Questionnaire (IPQ)

Timepoint

Measure illness perception before the intervention and the sixth week after discharge

Method of measurement

Illness Perception Questionnaire (IPQ)

2

Description

Score Hope level by Miller Hope Scale (MHS)

Timepoint

Measure Hope level before the intervention and the sixth week after discharge

Method of measurement

Miller Hope Scale (MHS)

Secondary outcomes

empty

Intervention groups

1

Description

First intervention group: Calling the patient at the first, third and sixth week after discharge. Contact information will be about physical activity, diet and MI disease (disease process, causes, symptoms, diagnostic methods, medication and treatments) .

Category

Lifestyle

2

Description

Second intervention group: Educational content will be delivered to a private page for each person in a video, image and text message via a messenger to the patient

during the course (week 1, 3rd and 6th). Physical education will be about physical activity, diet, and illness (illness, causes, symptoms, diagnostic methods, medication and treatments).

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Bohlol hospital

Full name of responsible person

Elham Nikkhah Bidokhti

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2

Recruitment center

Name of recruitment center

Shariati hospital

Full name of responsible person

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Recruitment center

Name of recruitment center

Emamreza hospital

Full name of responsible person

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Recruitment center

Name of recruitment center

Quaem hospital

Full name of responsible person

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at the beginning of Ahmad Abad Street, Dr. Shariati Square

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Gonabad University of Medical Sciences

Full name of responsible person

Ali Ekrami

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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

Gonabad University of Medical Sciences

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
Gonabad University of Medical Sciences
Full name of responsible person
Elham Nikkhah Bidokhty
Position
student
Latest degree
Bachelor
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Person responsible for scientific inquiries

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Name of organization / entity
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Person responsible for updating data

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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

University officials provide financial support and approval of the project so Publication of data is subject to permission from the university

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is 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

Title and more details about the data/document

The study protocol, statistical analysis map, informed consent form will be provided by the Research Ethics Committee as well as the University. The results of the study will also be reported to the Department of Research and Technology of the University. The findings will also be reported in scientific articles with ethical considerations.

When the data will become available and for how long

Start of access period, 6 months after printing of results

To whom data/document is available

University officials, target hospitals, study participants, and the editor of the journal where the study results will

be published (if requested)

Under which criteria data/document could be used

For university officials who provide financial support and approval of the project, if requested to ensure good performance and, if necessary, data integrity and journal editor with written request and commitment to maintain credit (to ensure data integrity).) And, if necessary, extract the desired findings solely for submission to the article

From where data/document is obtainable

Elham Nikkhah Bidokhti, Phone number:

00989017638671

What processes are involved for a request to access data/document

After telephone call and written request within a maximum of 10 days

Comments