

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of multimedia education on the family- centered approach of telephoning (tele nursing) on quality of life and self-efficacy of patients with myocardial infarction

Protocol summary

Study aim

Determining the impact of multimedia education on quality of life and self-efficacy in patients with MI.

Design

Clinical trials with community based and pragmatic control group, with parallel groups, randomized

Settings and conduct

This intervention will be carried out in the CCU of the Ayatollah Kashani Hospital and the ICU. After obtaining the relevant permissions of the researcher during the week, go to section referring to the entry criteria, they will look at their units. Selects the available sampling. After explaining the goals and methods of work, patients and patients will be informed of the consent of the name of the patient. Then, the questionnaire on quality of life and self-efficacy is completed by the peer reviewer. In the intervention group, a 10-person training session with a multimedia program called a 2 to 3 hour one-day workshop for the patient. Member family activist is held. At the end of the workshop, the training file will be given to patients and patients. In the intervention group, in addition to the workshop, telephone interviews are also conducted for 1 month by the doctor. There is no intervention in the control group and they receive all nursing routine care. Quality of life and self-efficacy of patients after a specified time (one month) will be measured and recorded using the Sherer General Self-efficacy Questionnaire and Quality of Life in Minnesota, respectively.

Participants/Inclusion and exclusion criteria

Detection of cardiovascular disease admission in CCU section possibility of telecommunication.

Intervention groups

In the intervention group, a training session is held with groups of 10 people per day for 2 to 3 hours for the patient or active member of the family. There is no intervention in the control group and they receive all

nursing routine care.

Main outcome variables

Quality of life; self-efficacy

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181122041720N2**

Registration date: **2019-06-22, 1398/04/01**

Registration timing: **prospective**

Last update: **2019-06-22, 1398/04/01**

Update count: **0**

Registration date

2019-06-22, 1398/04/01

Registrant information

Name

Shirin Madadkar

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 38 3338 2382

Email address

shirinmadadkar@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-07-11, 1398/04/20

Expected recruitment end date

2019-09-11, 1398/06/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of multimedia education on the family-centered approach of telephoning (tele nursing) on quality of life and self-efficacy of patients with myocardial infarction

Public title

The effect of multimedia education in the patients with myocardial infarction

Purpose

Supportive

Inclusion/Exclusion criteria**Inclusion criteria:**

Definitive diagnosis of myocardial infarction Admitted to the ccu section Ability to make phone calls Computer access point

Exclusion criteria:

Disclaimer Death of the patient Extended hospitalization time

Age

From **45 years** old to **88 years** old

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Samples will be entered into the study with a simple sampling method based on the criteria for entering the study and will be based on the random numbers table in the groups (intervention and control).

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**

National Ethics Committee for Biomedical Research

Street address

Rahmatieh, Islamic Azad University, Shahrekord

Branch

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Approval date

2019-06-09, 1398/03/19

Ethics committee reference number

IR.IAU.SHK.REC.1398.001

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

Myocardial infarction

ICD-10 code

I22.0

ICD-10 code description

Myocardial infarction

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

Quality of Life

Timepoint

Before the intervention and one month after the intervention

Method of measurement

Minnesota Questionnaire

2**Description**

Self-efficacy

Timepoint

Before the intervention and one month after the intervention

Method of measurement

Scherer self-efficacy questionnaire

Secondary outcomes

empty

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

Intervention group: In an intervention group, a training session with groups of 10 persons was conducted through multimedia software called a 2 to 3 hour one-day workshop for the patient and active member of the family in the date and time coordinated in the training class available in the department. Gets At the end of the workshop, patient and family questions will be answered

in relation to the educational content provided. An educational file is also provided to patients and patients to be reviewed in the home. In the intervention group, in addition to the intervention workshop, the intervention is also conducted for 1 month (once a week) by the peer reviewer. Quality of life and self-efficacy of patients after a specified time (one month) were measured and recorded in each group using the Sherer General Self-efficacy Questionnaire and Minnesota's Quality of Life, respectively

Category

Rehabilitation

2

Description

Control group: There is no intervention in the control group and all nursing routine care is received. Quality of life and self-efficacy of patients after a specified time (one month) were measured and recorded using the Sherer General Self-efficacy Questionnaire and Minnesota's Quality of Life, respectively.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah Kashani Hospital and Hagar Shahrekord Hospital

Full name of responsible person

Shirin Madadkar

Street address

Nursing Street, Ayatollah Kashani Hospital and Hagar Shahrekord

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 38 3336 1000

Email

Kashani@skums.ac.it

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Dr. Hossein Sazegar

Street address

Rahmatieh, Islamic Azad University of Shahrekord

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 38 3336 1000

Email

info@skums.ac.ir

Grant name

Grant code / Reference number

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

No

Title of funding source

Research Deputy of Islamic Azad University, Shahrekord Branch

Proportion provided by this source

100

Public or private sector

Private

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

Islamic Azad University

Full name of responsible person

Shirin Madadkar

Position

Lecturer

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

Rahmatieh, Islamic Azad University

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 38 3336 1000

Email

shirinmadadkar@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Shirin Madadkar

Position
Lecturer
Latest degree
Master
Other areas of specialty/work
Nursery
Street address
Rahmatieh, Islamic Azad University
City
Shahrekord
Province
Chahar-Mahal-va-Bakhtiari
Postal code
8813733395
Phone
+98 38 3336 1000
Email
shirinmadadkar@gmail.com

Person responsible for updating data

Contact
Name of organization / entity
Islamic Azad University
Full name of responsible person
Shirin Madadkar
Position
Lecturer
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Other areas of specialty/work
Nursery
Street address

Rahmatieh, Islamic Azad University
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Shahrekord
Province
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Phone
+98 38 3336 1000
Email
shirinmadadkar@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Not applicable
Data Dictionary
Not applicable