

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jul 2026

The effect of family-centered education through multimedia software on patients clinical outcomes after myocardial infarction

Protocol summary

Summary

This is a clinical trial to evaluate the effect of family-centered education through multimedia software on patients clinical outcomes after myocardial infarction. 60 patients who have been acute myocardial infarction for the first time, will be selected with convenience sampling and will be randomly divided into 2 groups of 30 people. In the intervention group education to the patient and active family member through computer in three domains(nutrition, medication, exercise) will be done. In control group, the same educational content only to the patient(without family) will be taught. Three month after the intervention blood pressure, pulse pressure, blood lipids and ECG changes in two groups will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015031117873N3**

Registration date: **2015-05-12, 1394/02/22**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-05-12, 1394/02/22

Registrant information

Name

Parvanrh Asgari

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Research Deputy of Arak University of Medical Sciences

Expected recruitment start date

2015-05-22, 1394/03/01

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of family-centered education through multimedia software on patients clinical outcomes after myocardial infarction

Public title

The effect of family education on myocardial infarction patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: The incidence of myocardial infarction that approved by a doctor; The incidence of acute myocardial infarction for the first time; Lack of speech problems, blindness and deafness of the patient and active family member; Exclusion criteria: Psychological crisis during the study; The lack of providing additional information due to physical deterioration.

Age

From **29 years** old to **69 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

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
Arak University of Medical Sciences

Street address
Faculty of Nursing and Midwifery, Arak University of Medical Sciences, Sardasht,

City
Arak

Postal code

Approval date
2014-05-05, 1393/02/15

Ethics committee reference number
93-162-7

Health conditions studied

1

Description of health condition studied
Myocardial infarction

ICD-10 code
I21.0, I21

ICD-10 code description
Ischaemic heart diseases

Primary outcomes

1

Description
Blood pressure

Timepoint
Before and three month after the intervention

Method of measurement
Millimeters of mercury with a mercury manomete

2

Description
Pulse pressure

Timepoint
Before and three month after the intervention

Method of measurement
Millimeters of mercury with a mercury manomete

3

Description
Blood lipids

Timepoint
Before and three month after the intervention

Method of measurement
Blood test

4

Description
Body Mass Index

Timepoint
Before and three month after the intervention

Method of measurement
Kilogram with electronic scales

5

Description
ECG changes

Timepoint
Before and three month after the intervention

Method of measurement
ECG machine

Secondary outcomes

empty

Intervention groups

1

Description
In the intervention group education to the patient and family member on three domains(nutrition,medication,exercise) in three sessions of 30-45 minute will be done.

Category
Lifestyle

2

Description
In control group education to thr patient(without family) on three domains(nutrition,medication,exercise) in three sessions of 30-45 minute will be done.

Category
Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Amir kabir hospital

Full name of responsible person

Parvaneh asgari

Street address

Sardasht, Faculty of Nursing and Midwifery, Arak
University of Medical Sciences

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr.rafei

Street address

Arak; Rahahan Sq;Alamolhoda St;Arak University of
Medical Sciences

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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

Arak 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

Arak University of Medical Sciences

Full name of responsible person

Parvaneh Asgari

Position

Instructor

Other areas of specialty/work

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Position

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Other areas of specialty/work

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Postal code

Phone

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Fax

Email

Web page address

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