

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Effect of preventing coronary artery disease multimedia software on adjusting risk factors in patients with coronary artery disease

Protocol summary

Summary

Objective: This research aimed to evaluate effect of preventing coronary artery disease multimedia software on adjusting risk factors in patients with coronary artery disease. Design: This two phases (before and 3 months after the intervention), quasi-experimental study will conduct on 32 patients with coronary artery disease. Patients were selected randomly, among all patients with coronary artery disease referring to Chamran hospital, based on inclusion criteria. Main outcome measures (primary and secondary outcome variables): primary outcome of this study is related coronary artery disease risk factors. Participants including major eligibility criteria: Inclusion criteria were: Acute Coronary Syndrome(acute myocardial infarction with elevated ST segment, myocardial infarction without ST elevation and unstable angina); having computer at home; willingness for participating in the study; being oriented of their disease; knowing Persian language; not having mental retardation, disabilities, blindness, Deafness and active psychological disease; not having thyroid and digestive disease; not having complications of acute coronary syndrome like acute pulmonary edema and congestive heart disease. Exclusion criteria were unwillingness for participating in the study and filling questionnaires incompletely. Setting and conduct (Intervention): researcher will conduct the intervention in two stages of designing the software and providing that for patients who have eligible criteria for the study. After three months, all tests performed before the intervention will be repeated in accordance with the standards.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017072220833N3**

Registration date: **2017-11-19, 1396/08/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-11-19, 1396/08/28

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Isfahan University of Medical Sciences

Expected recruitment start date

2016-12-21, 1395/10/01

Expected recruitment end date

2017-02-19, 1395/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of preventing coronary artery disease multimedia software on adjusting risk factors in patients with coronary artery disease

Public title

Effect of preventing coronary artery disease multimedia

software on adjusting risk factors in patients with heart disease

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: Acute Coronary Syndrome(acute myocardial infarction with elevated ST segment, myocardial infarction without ST elevation and unstable angina); having computer at home; willingness for participating in the study; being oriented of their disease; knowing Persian language; not having mental retardation, disabilities, blindness, Deafness and active psychological disease; not having thyroid and digestive disease; not having complications of acute coronary syndrome like acute pulmonary edema and congestive heart disease. Exclusion criteria: unwillingness for participating in the study and filling questionnaires incompletely.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 32

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences

Street address

Hezarjarib Avenue, Isfahan University Of Medical Sciences, Isfahan

City

Isfahan

Postal code

Approval date

2016-11-21, 1395/09/01

Ethics committee reference number

194265

Health conditions studied

1

Description of health condition studied

Coronary Artery Disease

ICD-10 code

I25.1

ICD-10 code description

Diseases of arteries, arterioles and capillaries

Primary outcomes

1

Description

Blood pressure

Timepoint

before the intervention and three month after the intervention

Method of measurement

Mercury barometric

2

Description

Blood Triglyceride

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetry

3

Description

Low-density lipoprotein(LDL)

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetry

4

Description

High-density lipoprotein(HDL)

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetry

5

Description

Cholesterol

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetry

6

Description

Fasting blood sugar

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotometry

Secondary outcomes

empty

Intervention groups

1

Description

32 patients will be selected randomly based on inclusion criteria then demographic questionnaire will be filled and multimedia software of coronary artery disease will be given to the patients in the test group. patients will visit the physician, in order to evaluate their general health based on checklist, one day before and three month after the intervention.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Chamran hospital

Full name of responsible person

Dr Masoumeh Sadeghi

Street address

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Isfahan University of Medical Sciences

Full name of responsible person

Mahin Moeini

Street address

Hezarjarib Avenue, Isfahan University of Medical Sciences

City

Isfahan

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, Isfahan 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

Isfahan University Of Medical Sciences

Full name of responsible person

Mahin Moeini

Position

Assistatant professor, Nursing and Midwifery Care Research Center

Other areas of specialty/work

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Person responsible for scientific inquiries

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Samira Abbasi

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Msc of psychiatric Nursing

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Web page address

Person responsible for updating data

Contact

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