Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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
Samira Abbasi
Name of organization / entity
School of Nursing and Midwifery, Isfahan University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 31 3228 7822
Email address
s.abbasi@nm.mui.ac.ir

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 Sicences, 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

Spectrophotmetery

3

Description

Low-density lipoprotein(LDL)

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetery

4

Description

High-density lipoprotein(HDL)

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetery

5

Description

Cholesterol

Timepoint

before the intervention and three month after the intervention

Method of measurement

Spectrophotmetery

6

Description
Fasting blood sugar
Timepoint
before the intervention and three month after the intervention
Method of measurement
Spectrophotmetery

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
Street address
Hezarjarib Ave, Isfahan University Of Medical Sciences, Isfahan
City
Isfahan
Postal code
Phone
+98 31 3792 7621
Fax
Email
moeini@nm.mui.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Isfahan University of Medical Sciences
Full name of responsible person
Samira Abbasi
Position
Msc of psychiatric Nursing
Other areas of specialty/work
Street address
Hezarjarib Ave, Isfahan University of Medical Sciences
City
Isfahan
Postal code
Phone
+98 31 3792 7607
Fax
Email
samiraabbasi6853@gmail.com
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