Clinical Trial Protocol
Iranian Registry of Clinical Trials

29 Nov 2026

Effect of education through multimedia and text messaging on psychologicall parameters (stress, anxiety, depression) of patients candidate for coronary angiography

Protocol summary

Summary

participants of control group received routine oral instructions: to be NPO, to shave, and how to take the drugs. And after angioplasty, at discharge, they also received a pamphlet on amount of activities, and incidence of pain and bleeding.in the experimental group (multimedia training) gave the multi-media CD which was 15-minute and was approved by cardiologist and the head nurese angiography ward in the first patient presence for testing before angiography and filing in the hospital, participants in this group were asked In the home to the hospital to see multimedia CD at least one And in order to control and review movies by the patient, researcher telephone to their. the patients were guidance In case of problems with the implementation of the film. multimedia content about the purpose and the method of coronary angiography and necessary care before and after angiography procedure. For groups with messages, 7 daily text messages was sent by University short message system, including content based on objective and how To do angiography, and its befor and after cares, for at least 4-3 days Residual until Angiography. Providing information on the content of education through multi-media CD and texts were largely the same.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015030121283N1**
Registration date: **2015-10-05, 1394/07/13**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2015-10-05, 1394/07/13

Registrant information

Name
Sara Roosta
Name of organization / entity
Shiraz University of Medical Science/Faculty of Hazrat Fateme
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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Science

Expected recruitment start date

2015-01-21, 1393/11/01

Expected recruitment end date

2015-04-21, 1394/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of education through multimedia and text messaging on psychologicall parameters (stress, anxiety, depression) of patients candidate for coronary angiography

Public title

Effect of Short Message Service (SMS) and Multimedia training on psychological parameters in patients

undergoing coronary angiography

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Age limit of 25 to 75; Lack of psychological disorder and psychological therapy on the basis of a psychologist advice; Lack of previous angiography ; dont be the health care system staff ; Ability to receive messages via their mobile phones; literate have; Exclusion criteria: Before performing invasive procedures such as angiography, the other located transesophageal echocardiography; history of use psychiatric drugs ; The elimination of those who are not willing to keep taking part in the survey.

Age

From **25 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

The study is done based on three groups of patients undergoing elective angiography (two groups with Sms and Multimedia training and a control group)

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shiraz University of Medical Science

Street address

Shiraz University of Medical Sciences,University Central Building, Zand Street

City

shiraz

Postal code

14336 - 71348

Approval date

2015-01-21, 1393/11/01

Ethics committee reference number

93/7343

Health conditions studied

1

Description of health condition studied

Coronary Heart Disease

ICD-10 code

I25.1

ICD-10 code description

Atherosclerotic Heart Disease

Primary outcomes

1

Description

Anxiety

Timepoint

At least 4 days prior to angiography, time of the addmission

Method of measurement

Stress,Anxiety,Depression Questionnaire DASS-21

2

Description

Stress

Timepoint

At least 4 days prior to angiography, time of the addmission

Method of measurement

Stress,Anxiety,Depression Questionnaire DASS-21

3

Description

Depression

Timepoint

At least 4 days prior to angiography, time of the addmission

Method of measurement

Stress,Anxiety,Depression Questionnaire DASS-21

Secondary outcomes

empty

Intervention groups

1

Description

participants of control group received routine oral instructions: to be NPO, to shave, and how to take the drugs. And after angioplasty, at discharge, they also received a pamphlet on amount of activities, and incidence of pain and bleeding.

Category

Prevention

2

Description
in the experimental group (multimedia training) gave the multi-media CD which was 15-minute and was approved by cardiologist and the head nurese angiography ward in the first patient presence for testing before angiography and filing in the hospital, participants in this group were asked In the home to the hospital to see multimedia CD at least one And in order to control and review movies by the patient, researcher telephone to their. the patients were guidance In case of problems with the implementation of the film. multimedia content about the purpose and the method of coronary angiography and necessary care before and after angiography procedure.

Category
Prevention

3

Description
for group with messages, 7 daily text messages was sent by University short message system, including content based on objective and how To do angiography, and its befor and after cares, for at least 4-3 days Residual until Angiography. Providing information on the content of education through multi-media CD and texts were largely the same.

Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Alzahra Cardiac Hospital
Full name of responsible person
Dr.Kamelia Torabi Zade
Street address
Siboye Blvd, Alzahra Cardiac Hospital
City
Shiraz

2

Recruitment center
Name of recruitment center
Shahid Faghihi Hospital
Full name of responsible person
Dr.Kamelia Torabi Zade
Street address
Zand Avenue, Shahid Dr. Faghihi Hospital
City
Shiraz

3

Recruitment center
Name of recruitment center
Kowsar Hospital
Full name of responsible person
Dr.Kamelia Torabi Zade
Street address
West Ghasredasht Street, Kowsar Hospital
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shiraz University of Medical Science
Full name of responsible person
Dr. Seyd Basir Hashemi (vice chancellor of research)
Street address
Shiraz University of Medical Sciences,University Central Building, Zand St
City
Shiraz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shiraz University of Medical Science
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
Hazrat Fateme College of Nursing and Midwifery
Full name of responsible person
Sara Roosta
Position
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Person responsible for updating data

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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