

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Jun 2026

### Effect of education through multimedia and text messaging on psychological 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 nurse 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 before 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

###### Country

Iran (Islamic Republic of)

###### Phone

+98 71 3726 8113

###### Email address

stud2280829916@sums.ac.ir

##### 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 psychological 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 admission

#### **Method of measurement**

Stress, Anxiety, Depression Questionnaire DASS-21

### 2

#### **Description**

Stress

#### **Timepoint**

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

#### **Method of measurement**

Stress, Anxiety, Depression Questionnaire DASS-21

### 3

#### **Description**

Depression

#### **Timepoint**

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

#### **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 nurse 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 before 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 scientific inquiries

### Contact

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## Person responsible for updating data

### Contact

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**Postal code****Phone**

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**Fax****Email**

Atashkade2703@gmail.com

**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*