

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jul 2026

### The effect of guided imagery on anxiety among elderly patients undergoing coronary artery angiography

#### Protocol summary

##### Summary

**Objectives:** The aim of this study is to determine the effect of guided imagery on anxiety among elderly patients undergoing coronary artery angiography. **Design:** This study is a non-blinding randomized controlled trial. **Setting and conduct:** The study environment is coronary artery angiography department of Amiralmomenin Hospital in Kordkuy. **Participants:** 70 patients candidate for coronary artery angiography are divided into two groups: intervention (35 persons) and control (35 persons) using random number table. **Inclusion criteria:** Over 60 years old; avoiding the use of drugs that affect the mental state;; no history of coronary artery angiography and cardiovascular surgery. **Exclusion criteria:** unable to communicate. **Intervention:** The experimental group will receive 12-minute audio file with headphones that will be played privately before coronary artery angiography. The control group will pass the routine process of angiography department. The questionnaire will be completed in three steps in both groups: twice before and once after coronary artery angiography. **Outcome variable:** The anxiety of patients under coronary artery angiography

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016111528101N4**

Registration date: **2017-02-09, 1395/11/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-02-09, 1395/11/21

##### Registrant information

##### Name

Zohreh Taraghi

##### Name of organization / entity

Mazandaran University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 11 3336 7342

##### Email address

ztaraghi@mazums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research, Mazandaran University of Medical Sciences

##### Expected recruitment start date

2016-11-07, 1395/08/17

##### Expected recruitment end date

2016-12-07, 1395/09/17

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of guided imagery on anxiety among elderly patients undergoing coronary artery angiography

##### Public title

anxiety in coronary artery angiography

##### Purpose

Supportive

##### Inclusion/Exclusion criteria

. Inclusion criteria: Over 60 years old; avoiding the use of drugs that affect the mental state; no cognitive problems based on the rating of 7 or higher in Abbreviated Mental Test (AMT); no history of coronary artery angiography and cardiovascular surgery and a minimum score of 1

and a maximum of 20 in Geriatric Anxiety Scale(GAS).  
Exclusion criteria: Hearing impairment; unable to communicate.

### **Age**

From **60 years** old

### **Gender**

Both

### **Phase**

N/A

### **Groups that have been masked**

*No information*

### **Sample size**

Target sample size: **70**

### **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**

Ethics Committee of Mazandaran University of  
Medical Sciences

##### **Street address**

Nursing and Midwifery Faculty, Vesal street, Sari

##### **City**

Sari

##### **Postal code**

4816715793

#### **Approval date**

2016-11-07, 1395/08/17

#### **Ethics committee reference number**

IR.MAZUMS.REC.95.2402

## **Health conditions studied**

### **1**

#### **Description of health condition studied**

anxiety

#### **ICD-10 code**

F41

#### **ICD-10 code description**

Other anxiety disorders

## **Primary outcomes**

### **1**

#### **Description**

anxiety

#### **Timepoint**

before intervention-after intervention- after coronary  
artery angiography

#### **Method of measurement**

GAS questionnaire

## **Secondary outcomes**

empty

## **Intervention groups**

### **1**

#### **Description**

Intervention: The experimental group will receive 12-  
minute audio file with headphones that will be played  
privately before coronary artery angiography. The  
questionnaire will be completed in three steps in both  
groups: twice before and once after coronary artery  
angiography.

#### **Category**

Behavior

### **2**

#### **Description**

Control: The control group will pass the routine process  
of angiography department.

#### **Category**

N/A

## **Recruitment centers**

### **1**

#### **Recruitment center**

##### **Name of recruitment center**

Amiralmomenin Hospital of Kordkuy

##### **Full name of responsible person**

Doctor Mehdi Zahedi

##### **Street address**

Golestan - Kordkuy - Forest street

##### **City**

Kordkoy

## **Sponsors / Funding sources**

### **1**

#### **Sponsor**

##### **Name of organization / entity**

Vice chancellor for research, Mazandaran University  
of Medical Sciences

##### **Full name of responsible person**

Ahmad Ali Enayati

**Street address**

Nursing and Midwifery Faculty, Vesal street, Sari

**City**

Sari

**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, Mazandaran 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**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Seyed Ali Nikakhtar

**Position**

Master Student in Geriatric nursing

**Other areas of specialty/work****Street address**

Nursing and Midwifery Faculty, Vesal street, Sari

**City**

Sari

**Postal code**

4816715793

**Phone**

+98 11 4208 1104

**Fax****Email**

s.ali.nikakhta@gmail.com

**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Zohreh Taraghi

**Position**

Assistant Professor

**Other areas of specialty/work****Street address**

Nursing and Midwifery Faculty, Vesal street, Sari

**City**

Sari

**Postal code**

4816715793

**Phone**

+98 11 3379 5585

**Fax****Email**

ztaraghi@mazums.ac.ir; ztarair@gmail.com

www.mazums.ac.ir

**Web page address****Person responsible for updating data****Contact****Name of organization / entity**

Mazandaran University of Medical Sciences

**Full name of responsible person**

Seyed Ali Nikakhtar

**Position**

Geriatric Nursing Graduate Student

**Other areas of specialty/work****Street address**

Nursing and Midwifery Faculty, Vesal street, Sari

**City**

Sari

**Postal code**

4881934771

**Phone**

+98 17 3434 8218

**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*