

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

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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

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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**

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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