# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

17 Sep 2026

## Effect of Guided Imagery on pain, anxiety and some other hemodynamic factors in patients undergoing coronary angiography.

## Protocol summary

**Summary**

This randomized control clinical trial will be conducted on 62 cardiac catheterization patients in Vasei hospitals in Sabzevar. This study is planned to evaluate the effect of Guided Imagery on pain, anxiety and some hemodynamic factors in patients undergoing coronary angiography. the trail will be performed in 62 patients between 35 to 68 years of age Inclusion criteria: Aged between 35to 68 years; state anxiety scale less than 64 and the Trait Anxiety scale of less than 62; can be reading and writing Exclusion criteria: Reluctance to continue participating in the study; Death . After approving of the study by sciences vice chancellor of Sabzevar University of medical sciences and completing of written consent form by all participants in the study, Patients will be divided randomly into two equal groups: 32 patients in experimental and 32 in control group. The necessary data will collected through a demographic information sheet, a hemodynamic variable sheet, the STAI anxiety questionnaire and a pain scale. Before the treatment, the participants in both groups will ask to fill out the demographic information sheet. In addition, they will require to answer the hemodynamic sheet both before and after the treatment, and the STAI questionnaire just after the treatment. The numerical pain scale will give to the subjects in both groups just after angiography procedure. The experimental group subjects will ask to listen to a Guided Imagery CD for 18 minutes one hour before the angiography procedure. Before the subjects of both groups will go the angiography room, their anxiety and hemodynamic will measure and record.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2014010916148N1**

Registration date: **2014-07-04, 1393/04/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

**Registration date**

2014-07-04, 1393/04/13

**Registrant information**

**Name**

Samira Foji

**Name of organization / entity**

Sabzevar University of Medical Scinces

**Country**

Iran (Islamic Republic of)

**Phone**

+98 57 1265 4874

**Email address**

foji.s1@medsab.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Sabzevar University of Medical Sciences

**Expected recruitment start date**

2013-08-22, 1392/05/31

**Expected recruitment end date**

2013-11-21, 1392/08/30

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Effect of Guided Imagery on pain, anxiety and some other hemodynamic factors in patients undergoing coronary angiography.

**Public title**

Effect of Guided Imagery on pain, anxiety and some other hemodynamic factors

**Purpose**

Supportive

**Inclusion/Exclusion criteria**

Inclusion criteria: Age should be between 35 years to 68 years,The state anxiety scale less than 64 and the Trait Anxiety scale of less than 62,can be reading and writing. Exclusion criteria : Reluctance to continue participating in the study, death.

**Age**

From **35 years** old to **68 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **62**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Double blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Parallel

**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**

**Name of ethics committee**

Sabzevar University of Medical Sciences

**Street address**

School of Nursing and Midwifery، next to the police station to SHahroud road, Sabzevar

**City**

Sabzevar

**Postal code**

**Approval date**

2013-08-19, 1392/05/28

**Ethics committee reference number**

92.11.medsab.Rec

## Health conditions studied

### 1

**Description of health condition studied**

Coronary Artery Disease

**ICD-10 code**

I25.1

**ICD-10 code description**

Atherosclerotic heart disease

## Primary outcomes

### 1

**Description**

Anxiety

**Timepoint**

Before intervention ، After intervention

**Method of measurement**

STAI Anxiety questionnaire

### 2

**Description**

Hemodynamic Factors

**Timepoint**

Both before and after the intervention

**Method of measurement**

Manometer

### 3

**Description**

Pain

**Timepoint**

After Angiography

**Method of measurement**

numerical pain scale

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**

The experimental group subjects will ask to listen to a Guided Imagery CD for 18 minutes one hour before the angiography procedure and they will require to answer the hemodynamic sheet both before(morning of angiography, an hour before angiography) and after the Intervention, and the STAI questionnaire Before( an hour angiography) and after the Intervention. The numerical pain scale will give to the subjects in experimental groups just after angiography procedure.

**Category**

Behavior

### 2

**Description**

NO intervention in control group and thy will require to answer the hemodynamic sheet both before ( morning of angiography, an hour before angiography) and after the Intervention, and the STAI questionnaire Before( morning of angiography) and after the intervention. The numerical pain scale will give to the subjects in control

groups just after angiography procedure
**Category**
Behavior

## Recruitment centers

### 1

**Recruitment center**
**Name of recruitment center**
Sabzevar Vasei Hospital
**Full name of responsible person**
Samira Foji
**Street address**
Vasei Hospital; Sabzevar
**City**
Sabzevar

## Sponsors / Funding sources

### 1

**Sponsor**
**Name of organization / entity**
Sabzevar University of Medical Sciences
**Full name of responsible person**
Moosa Reza Tadayonfar
**Street address**
School of Nursing and Midwifery; next to the police station to SHahroud road, Sabzevar
**City**
Sabzevar
**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
Yes
**Title of funding source**
Sabzevar 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**
Sabzevar University of Medical Sciences
**Full name of responsible person**
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**Position**
Student of MSc Nursing
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## Person responsible for scientific inquiries

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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*