

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Jul 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 Sciences

Country

Iran (Islamic Republic of)

Phone

+98 57 1265 4874

Email address

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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 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 (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
Samira Foji
Position
Student of MSc Nursing
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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*