

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The effects of video based education on comfort and satisfaction in patients undergoing coronary angiography

Protocol summary

Summary

Cardiovascular diseases are the main causes of death in United States and around the world and it is the number one killer in Iran. Cardiovascular diseases in Iran are the leading cause of death responsible for 39.3% of total deaths. Recently cardiac catheterization common procedure and diagnostic methods that used in all over the world and almost 6000 person from 1 million of western countries use this method in a one year. In most cases invasive diagnostic method have a stress and anxiety for patient. Patient that undergoing coronary angiography may be anxious that what happen in angiography room and anxiety increase in the waiting period immediately prior to the procedure. This anxiety decrease level of comfort and satisfaction of patients. Patient's orientation with environment increase level of comfort and satisfaction. Inadequate education and lack of sufficient research whereby the design of this study to increase level of comfort and satisfaction of patients that undergoing coronary angiography.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017030332303N2**

Registration date: **2017-04-11, 1396/01/22**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-04-11, 1396/01/22

Registrant information

Name

Morteza Shamsizadeh

Name of organization / entity

Hamadan University of Medical Sciences

Country

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Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Hamadan University of Medical Sciences

Expected recruitment start date

2017-04-04, 1396/01/15

Expected recruitment end date

2017-09-23, 1396/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of video based education on comfort and satisfaction in patients undergoing coronary angiography

Public title

The effects of video based education on comfort and satisfaction in patients undergoing coronary angiography in Hamadan Farshchian Hospital

Purpose

Other

Inclusion/Exclusion criteria

The inclusion criteria: age between 30 - 75; do not have a history of previous angiography; scheduled for elective, non- emergency; do not have a psychosis; able to understand and speak Persian language; do not have a mental retardation and unheard. The exclusion criteria: patients admitted for an emergency cardiac catheterization; history of previous cardiac

catheterization; patients with cognitive impairment; patients with a history of taking psychotropic agents; those having major hearing or visual difficulties because hearing and visual capabilities are needed to comprehend the material presented in the educational intervention; those having a life-threatening or an associated major illness such as renal failure or cancer because these serious illnesses may differently affect patients' anxiety level and their way of dealing with stressful events, and those have deteriorated health conditions prior to or post- cardiac catheterization and need to be admitted for intensive care unit.

Age

From **35 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **88**

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

Hamedan University of Medical Sciences

Street address

Fahmideh Street, Hamedan University of Medical Sciences, Hamedan

City

Hamedan

Postal code

651783-8698

Approval date

2017-02-19, 1395/12/01

Ethics committee reference number

IR.UMSHA.REC.1395.544

Health conditions studied

1

Description of health condition studied

Cardiovascular disease

ICD-10 code

I25.1

ICD-10 code description

I25.1 Atherosclerotic heart disease Coronary (artery): • atheroma • atherosclerosis • disease • sclerosis

Primary outcomes

1

Description

Comfort

Timepoint

Before and after education

Method of measurement

Visual Analog Scale

2

Description

Satisfaction

Timepoint

After education

Method of measurement

Astley questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

All patients receive the usual care including a written pamphlet and brief information regarding the cardiac catheterization procedure, such as time for fasting, skin preparation, wound care, routine hemodynamic observations, and pain management.

Category

Other

2

Description

In addition to usual care, patients in the experimental group receive an educational video which take place in the same room. The educational session provide by one of the investigators with a 40-minute educational videotape. This video have 4 part that each part have a 10 minutes. First part about physical environment of angiography room and equipment of this room. Another parts about preoperative, intraoperative and post-operative care for patients. Participants able to ask for further information after viewing the video. Content validity of the videotape establish by an expert cardiologist who frequently performed cardiac catheterization.

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Farshchian Cardiovascular subspecialty Hospital

Full name of responsible person

Ehsan Movaheditabar

Street addressFahmideh Street, Hospital Heart Farshchian,
Hamedan**City**

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**Vice Chancellor of Hamedan University of Medical
Sciences**Full name of responsible person**

Ehsan Movaheditabar

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Sciences, Hamedan**City**

Hamedan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor
organization/entity?**

Yes

Title of funding sourceVice Chancellor of Hamedan 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**

Hamedan University of Medical Sciences

Full name of responsible person

Khodayar Oshvandi

Position

Ph.D of Nursing

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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