

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Comparison the effect of peer education and orientation tour on anxiety and stress of patients candidate for coronary angiography in selected hospital of AJA University of Medical Sciences

Protocol summary

Summary

Coronary artery disease is the most common type of cardiovascular disease Which is the most important cause of morbidity and mortality throughout the world. Coronary angiography is the best method for anatomic evaluation. However the procedure is a daunting for many patients. Available of stress and anxiety and patient attempts to cope with it puts the patient at risk in coronary angiography room, so that there will be the possibility of dysrhythmias during coronary angiography, coronary artery spasm or rupture. Patient education is an effective way to increase patient awareness and their anxiety is moderated. Therefore, this study aimed to examine the effects of peer education and orientation tour on anxiety and stress in patients undergoing coronary angiography to compare the two methods will be designed and implemented. During the clinical trials, number of 177 patients referred to "502 Tehran hospital" were recruited by convenience sampling and then one day among the three groups, Peer education, orientation tours and controls (n = 59 per group) were assigned. Stress and anxiety was measured in all patients on admission. In peer group, patients by a peer person and in orientation tour group, patients were trained by the researcher in the department of angiography. In the control group routine care was performed. Then stress and anxiety was measured two hours before angiography. Data collection tools was demographics questionnaire and the DASS-21 questionnaire. The data collected were analyzed using SPSS v.21 software. Start and end time of sampling was 15.06.2014 to 16.08.2014.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014032617086N1**

Registration date: **2014-08-31, 1393/06/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-08-31, 1393/06/09

Registrant information

Name

Reza Eslami

Name of organization / entity

Aja University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Aja University of Medical Sciences Aja College of Nursing
Dr.Armin Zareian

Expected recruitment start date

2014-06-15, 1393/03/25

Expected recruitment end date

2014-08-16, 1393/05/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of peer education and orientation

tour on anxiety and stress of patients candidate for coronary angiography in selected hospital of AJA University of Medical Sciences		Adjacent to Imam Reza (AS) hospital, martyr St. Etemadzadeh, Tehran	
Public title Comparison effect of peer education and orientation tour on stress and anxiety of patients candidates for coronary angiography Purpose Supportive Inclusion/Exclusion criteria Inclusion criteria: 1. Angiography should be performed for the first time and not have a history of cardiac hospitalization. 2. Angiography is not the type of emergency. 3. All participants must be able to read and write. 4. In the past are not under other invasive procedures such as transesophageal echocardiography. 5. A history of heart valve disease are not known. 6. Do not have cognitive problems and physical disability. 7. Do not have a history of depression and anxiety and use of sedative drugs. 8. Aged from 25 to 65 years old. 9. They are not a member of the medical staff. 10. One of their relatives are not Coronary angiography previously. Exclusion criteria: 1. If patients are clinically ill and have not stable condition hemodynamically. 2. Sedative drugs apart from routine drug given to all patients be prescribed. 3. The patient does not want to continue participating in the study. Age From 25 years old to 65 years old Gender Both Phase N/A Groups that have been masked <i>No information</i> Sample size Target sample size: 177 Randomization (investigator's opinion) Randomized Randomization description Blinding (investigator's opinion) Not blinded Blinding description Placebo Not used Assignment Parallel Other design features		City tehran Postal code Approval date 2014-06-15, 1393/03/25 Ethics committee reference number 9303	
		Health conditions studied 1 Description of health condition studied Chronic ischemic heart disease ICD-10 code I25.1 ICD-10 code description Atherosclerotic heart disease	
		Primary outcomes 1 Description Anxiety Timepoint Hospitalization day (one day before the procedure and before the intervention), two hours before angiography (the day after intervention) Method of measurement DASS-21 questionnaire.	
		2 Description Stress Timepoint Before intervention (day before the angiography) and after intervention (two hours before the procedure) Method of measurement DASS-21 questionnaire.	
		Secondary outcomes 1 Description Vital signs except temperature Timepoint Before intervention (day before the angiography) and after intervention (two hours before the angiography) Method of measurement Sphygmomanometer and stethoscope	
		Intervention groups 1 Description	
Ethics committees 1 Ethics committee Name of ethics committee AJA University of Medical Sciences Street address			

The orientation tour, samples of study, are trained in the form of a 30 to 40 minute tour in the angiography ward.

Category

Other

2

Description

In peer education group, the subjects are trained within one hour by a peer who has a successful history of angiography.

Category

Other

3

Description

In the control group routine care done.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Selected hospital of Aja University of Medical Sciences (Hospital 502)

Full name of responsible person

Abdolreza Bayat

Street address

Intersection of Taleghani and Bahar Street, Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Aja University of Medical Sciences

Full name of responsible person

Dr Armin Zareian

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Shariati Ave. Kaj St. Aja College of Nursing

City

Tehran

Grant name

دانشگاه علوم پزشکی آجا

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Aja 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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Full name of responsible person

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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