

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The effect of acupressure on anxiety of patients candidate for coronary angiography in selected AJA hospital

Protocol summary

Summary

Anxiety is one of the factors that increases mortality risk in the patients with heart disease. The aim of this study is The effect of acupressure on anxiety of patients candidate for coronary angiography in selected AJA hospital. Design of this study is a randomized controlled clinical trial. A total of 60 patients with age of 35-80 years old; without history of use of acupressure, previous history of angiography of coronary vessel, mental illnesses, drug addiction, anatomical and skin problem in P6 point and Thumb of two hands; being literate were selected and randomly divided in two groups: intervention group who received pressure on the P6 point of two hands (first right then left hand); Control group who received pressure on the Thumb of two hands. The interventions were performed on the morning angiography. In order to data collection, at the before and 30 min after intervention spielberger state anxiety questionnaire was filled out by the patients and physiologic criteria were assessed by the nurse. In this study, primary outcome measure is anxiety and secondary outcome measures are blood pressure, pulse, respiration.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014062118178N1**

Registration date: **2014-11-13, 1393/08/22**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-11-13, 1393/08/22

Registrant information

Name

Narges Choopani Ab bakhsh

Name of organization / entity

AJA medical university

Country

Iran (Islamic Republic of)

Phone

+98 77500929

Email address

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Recruitment status

Recruitment complete

Funding source

AJA Nursing Faculty

Expected recruitment start date

2014-04-14, 1393/01/25

Expected recruitment end date

2014-05-15, 1393/02/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of acupressure on anxiety of patients candidate for coronary angiography in selected AJA hospital

Public title

The effect of acupressure on anxiety of patients candidate for coronary angiography

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: being 35-80 years old and literated and without history of use of acupressure, previous history of angiography of coronary vessel, mental illnesses, drug addiction, anatomical and skin problem in P6 point and

Thumb of two hands exclusion criteria: If patients are clinically ill and don't have stable hemodynamic condition, The patient does not want to continue participating in the study

Age

From **35 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

AJA University of Medical Sciences

Street address

Next to Emam Reza hospital, Eatemadzade avenue,
Fatemi avenue

City

Tehran

Postal code

Approval date

2014-07-13, 1393/04/22

Ethics committee reference number

9310

Health conditions studied

1

Description of health condition studied

anxiety

ICD-10 code

F41.9

ICD-10 code description

Anxiety disorder, unspecified

Primary outcomes

1

Description

anxiety

Timepoint

before intervention and half hour after finishing that

Method of measurement

spielberger state anxiety questionnaire

Secondary outcomes

1

Description

pulse rate

Timepoint

before intervention and half hour after that

Method of measurement

before intervention and half hour after that

2

Description

blood pressure

Timepoint

before intervention and half hour after that

Method of measurement

before intervention and half hour after that

3

Description

respiratory rate

Timepoint

before intervention and half hour after that

Method of measurement

before intervention and half hour after that

Intervention groups

1

Description

intervention group receives pressure on the P6 point of two hands for 10 minutes. The intervention is performed on the morning angiography (first right hand then left hand)

Category

N/A

2

Description

Control group who received pressure on the Thumb of two hands for 10 minutes. The intervention is performed on the morning angiography (first right hand then left hand)

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Beasat hospital

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

AJA Faculty of Nursing

Full name of responsible person

Dr Armin Zareian

Street address

next to the Family hospital, kaj street, Shariati street.

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

AJA Faculty of Nursing

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

AJA Faculty of Nursing

Full name of responsible person

Narges Choopani Ab bakhsh

Position

MS Critical care nursing student

Other areas of specialty/work

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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