

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparing the effects of aromatherapy with Citrus aurantium and music therapy on anxiety and some of vital signs in non emergency coronary Angiography candidates.

Protocol summary

Summary

The aim of this study is to determine the effects of aromatherapy with Citrus aurantium and music therapy on anxiety and some of vital signs in non emergency coronary Angiography candidates. This study is a clinical trial of phase 3, single-centered. 120 patients with inclusion criteria: candidates for angiography. Exclusion criteria: Severe reaction to Citrus aurantium and its flavor intolerance; Unstable patient hemodynamic status during intervention; There is a hearing impairment, smell and vision. The patients are divided into four groups of 30 people. At first, the vital signs and anxiety level of the patients are measured using an anxiety questionnaire. Then, in the first group three drops of Citrus aurantium, in the second group three drops of normal saline were poured onto cotton and inhale for twenty minute. In the third group mildly instrumental music is played by headphone for twenty minute and in control group it isn't done any intervention. Twenty minutes later, the level of anxiety and vital signs are checked again and they are determine the response to treatment

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017092610222N13**
Registration date: **2017-09-28, 1396/07/06**
Registration timing: **na**

Last update:

Update count: **0**

Registration date

2017-09-28, 1396/07/06

Registrant information

Name

Zahra Keivani

Name of organization / entity

Shahrekord University Of Medical Sciences

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Recruitment status

Not enough for processing

Funding source

Shahrekord University of Medical Sciences

Expected recruitment start date

2017-10-23, 1396/08/01

Expected recruitment end date

2017-04-21, 1396/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effects of aromatherapy with Citrus aurantium and music therapy on anxiety and some of vital signs in non emergency coronary Angiography candidates.

Public title

Comparing the effects of aromatherapy with Citrus aurantium and music therapy on anxiety and some of vital signs in non emergency Angiography candidate

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criterion: candidates for angiography. Exclusion

criteria: Severe reaction to Citrus aurantium and its flavor intolerance; Unstable patient hemodynamic status during intervention; There is a hearing impairment, smell and vision

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 120

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shahrekord University of Medical Sciences

Street address

Kashani street, shahrekord university of medical sciences, shahrekord

City

Shahrekord

Postal code

Approval date

2017-09-24, 1396/07/02

Ethics committee reference number

IR.SKUMS.REC.196.158

Health conditions studied

1

Description of health condition studied

Coronary Angiography

ICD-10 code

Z95.5

ICD-10 code description

Presence of coronary angioplasty implant and graft

Primary outcomes

1

Description

anxiety level

Timepoint

twenty minute later

Method of measurement

questionnaire

Secondary outcomes

1

Description

vital sign

Timepoint

twenty minute later

Method of measurement

heart monitoring

Intervention groups

1

Description

in the first group, three drops of Citrus aurantium were poured onto cotton and inhale for twenty minute.

Category

Treatment - Drugs

2

Description

in the second group, three drops of normal saline were poured onto cotton and inhale for twenty minute

Category

Treatment - Drugs

3

Description

In the third group mildly instrumental music is played for twenty minute by headphone.

Category

Treatment - Drugs

4

Description

in control group it isn't done any intervention

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Hajar Hospital in Shahrekord

Full name of responsible person

Fereshte Aein

Street addressParastar street,Hajar Hospital of Shahrekord
University of Medical Sciences, shahrekord**City**

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Shahrekord University of Medical Sciences

Full name of responsible person

Fereshte Aein

Position

Ph.D. in Nursing, Associate professor

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Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**Vice chancellor for research of Shahrekord University
of Medical Science**Full name of responsible person**

Dr. Kamal Solati

Street addressKashani street, shahrekord university of medical
sciences, shahrekord**City**

Shahrekord

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

Yes

Title of funding sourceVice chancellor for research of Shahrekord University of
Medical Science**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**

Shahrekord University of Medical Sciences

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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