

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Comparison the Effect of Aromatherapy with Rose oil and Lavender on Physiological Indexes and Extubation after Open Heart Surgery

Protocol summary

Summary

Objective: The aim of this study was to compare the effect of aromatherapy with roses and lavender on indices over time to remove the endotracheal after heart surgery has been opened Inclusion criteria: patients undergoing open heart surgery, would like to participate in the study, aged more than 18 and less than 70 years, with heart rate greater than 60 beats per minute and systolic blood pressure greater than 90 mm Hg and a lack of sensitivity to any Which is of fragrances. Exclusion criteria: any conditions that violate the inclusion criteria. Study population: patients undergoing open heart surgery in the hospital Baqiyatallah in Tehran. Sample size: The number of samples was estimated based on 160 samples that were divided into four groups. Intervention :In this study, using aromatherapy with Rose and Lavender after open heart surgery and transfer Cardiac intensive care unit seeks to intervene for the pain and anxiety in patients and physiological Index to study and Extubation Time. This study was conducted on 01/09/1394 up to 06/01/1395 Primary outcomes: reducing pain, anxiety, physiological stability and reduced time in the endotracheal tube is in open heart surgery patients

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201510012730N9**
Registration date: **2016-10-23, 1395/08/02**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-10-23, 1395/08/02

Registrant information

Name

Hosein Mahmoudi

Name of organization / entity

Baqiatallah University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Baqiyatallah University of Medical Sciences

Expected recruitment start date

2015-11-22, 1394/09/01

Expected recruitment end date

2016-08-22, 1395/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the Effect of Aromatherapy with Rose oil and Lavender on Physiological Indexes and Extubation after Open Heart Surgery

Public title

Comparison the Effect of Aromatherapy with Rose oil and Lavender on Physiological Indexes and Extubation after Open Heart Surgery

Purpose

Supportive

Inclusion/Exclusion criteria

معیارهای ورود به مطالعه: بیماران کاندید جراحی قلب باز(شامل مشکلات عروق کرونر، اختلالات مادرزادی، جراحی های دریچه ای و

ترمیمی)؛ تمایل به شرکت در مطالعه؛ محدوده سنی بیشتر از 18 و کمتر از 70 سال؛ دارا بودن ضربان قلب بیشتر از 60 بار در دقیقه و فشار خون سیستولیک بیشتر از 90 میلی متر جیوه؛ تحت عمل (ACT) جراحی قرار گرفتن برای اولین بار؛؛ نداشتن مشکلات انعقادی معیارهای خروج از مطالعه: بیماران روانی؛ حساسیت به هر (2.5 < کدام از رایحه ها؛ عمل جراحی قلب باز اورژانسی؛ بازگشت مجدد به اتاق عمل

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **160**

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

Baqiyatallah University of Medical Sciences,

Street address

Molasadra Street Shikh Bahai Street Vanak Street

City

Tehran

Postal code

1435916471

Approval date

2010-11-01, 1389/08/10

Ethics committee reference number

IR.Bmsu.REc.1394.141

Health conditions studied

1

Description of health condition studied

CARDIAC SURGERY

ICD-10 code

I25.1

ICD-10 code description

Atherosclerotic heart disease

Primary outcomes

1

Description

physiological paramrtrs

Timepoint

After entering the patient to the intensive care unit of the first patient began to breathe a moment and then every half hour until the removal of the endotracheal tube and the tracheal tube after every fifteen minutes

Method of measurement

Blood pressure and heart rate using Cardiac Monitoring System Detex Omeda made in Finland and breathing with a ventilator device 840 is measured Made in America

2

Description

Extubation Time

Timepoint

The length of time that the patient has an endotracheal tube

Method of measurement

Cornometer

Secondary outcomes

empty

Intervention groups

1

Description

But in the control group without the intervention takes place after the first attempt Demi patient, every 30 minutes until you quit endotracheal tube and then every 15 minutes for one hour vital signs (pulse, respiration, blood pressure) and oxygen saturation arterial control and recorded

Category

Other

2

Description

With the completion of open heart surgery and then transfer the patient to the intensive care unit, starting with the first attempt inspiratory on the screen the mechanical ventilator, three drops of rose oil (experimental group 1) on a piece of gauze dropped and near the airway of the patient is placed and then every 30 minutes until you quit the endotracheal tube after tube removal, every 15 minutes for one hour vital signs (pulse, respiration, blood pressure) and oxygen saturation monitoring and recording is.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Baqiyatallah Hospital

Full name of responsible person

Hossein Babatabar Darzi

Street address

Molasadra Street .Shikh Bahai street .vanak Square

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Baqiyatallah University of Medical Sciences

Full name of responsible person

AliRahmani

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

Yes

Title of funding source

Baqiyatallah 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

Nursig Colleage.Baqiyatallah University of Medical Sciences,

Full name of responsible person

Hossein Babatabar Darzi

Position

Master of anesthesia.Faculty

Other areas of specialty/work**Street address**

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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