Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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
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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 وفشار خون سیستولیک بیشتر از 90 میلی متر جیوه ؛ تحت عمل جراحی قرار گرفتن برای اولین بار ؛ ؛ نداشتن مشکلات انعقادی (ACT < 2.5) معیارهای خروج از مطالعه: بیماران روانی ؛ حساسیت به هر 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

City
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Baqiyatallah University of Medical Sciences

Full name of responsible person
AliRahmani

Street address
Molasadra street shikh bahai Street .Vanak Square

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Tehran

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

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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