

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

The effect of the eucalyptus mist on sore throat, cough and hoarseness after extubation of the endotracheal tube in patients after coronary artery bypass grafting surgery

Protocol summary

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Summary

The aim of this study is to evaluate the effect of eucalyptus vapor on post-extubation cough, hoarseness and sore throat in patients undergone coronary artery bypass surgery. This study is randomized clinical trial. The intervention group, in addition to usual cares eucalyptus vapor will be used. An indible capsul will be dissolved in 150cc distilled water. An one and twelve hours after extubation, the patients of the intervention group will be asked eucalyptus vapor about ten minutes. . The sore throat, hoarseness and cough Questionnaire will be also filled out 1, 6, 12, and 24 hours after endotracheal extubation.

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Mazandaran University of Medical Science

Expected recruitment start date

2016-02-20, 1394/12/01

Expected recruitment end date

2016-05-09, 1395/02/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201512147494N16**

Registration date: **2016-04-22, 1395/02/03**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-04-22, 1395/02/03

Registrant information

Name

Masoumeh Bagheri Nesami

Name of organization / entity

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Email address

Scientific title

The effect of the eucalyptus mist on sore throat, cough and hoarseness after extubation of the endotracheal tube in patients after coronary artery bypass grafting surgery

Public title

The effect of the eucalyptus mist on sore throat, cough and hoarseness in patients after coronary artery bypass grafting surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria included age of 30-70 years, no history of having cold or sore throat during the preceding week, and lack of drug addiction. Exclusion criteria included more than 1 attempt for intubation and more than 30 seconds, Mallampati score of higher than 2, active airway infection, and history of allergy to eucalyptus. Furthermore, patients who kept in the ICU with an endotracheal tube for more than 16 hours, and

patients who were unable to communicate due to different reasons, such as dangerous dysrhythmias, bleeding, loss of consciousness, or any other reason, will be excluded from the study.

Age

No age limit

Gender

Both

Phase

2

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**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Mazandaran University of Medical

Street address

Mazandaran University of Medical Sciences, Vice chancellor for research, Moalem street, Moalem square, Sari, Mazandaran, Iran.

City

sari

Postal code

4816715793

Approval date

2015-12-27, 1394/10/06

Ethics committee reference number

IR.MAZUMS.REC.94-1886

Health conditions studied**1****Description of health condition studied**

Cough

ICD-10 code

R05

ICD-10 code description

psychogenic cough

2**Description of health condition studied**

sore throat

ICD-10 code

J02

ICD-10 code description

acute sore throat

Primary outcomes**1****Description**

cough

Timepoint

1, 6, 12 and 24 hrs. after extubation

Method of measurement

four-point scale

2**Description**

hoarseness

Timepoint

1, 6, 12 and 24 hrs. after extubation

Method of measurement

four-point scale

3**Description**

sore throat

Timepoint

1, 6, 12 and 24 hrs. after extubation

Method of measurement

four-point scale

Secondary outcomes

empty

Intervention groups**1****Description**

The intervention group participants were asked one and twelve hours after endotracheal extubation were asked eucalyptus vapor for ten minute

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Fateme Zahra hospitale

Full name of responsible person

Dr Masoumeh Bagheri- Nesami

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Mazandaran University of Medical Sciences, three-way Joibar, highway Basij, Imam square, Sari, Mazandaran, Iran

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Fax**Email**

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Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Vice Chancellor for research Mazandaran University of Medical Sciences

Full name of responsible person

Dr Ahmad Ali Enayeti

Street address

Vice Chancellor for research Mazandaran University of Medical Sciences, Moalem Street, Moalem Square, Sari, Iran

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Sari

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

Yes

Title of funding source

Vice Chancellor for research Mazandaran 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**

Mazandaran University of Medical Sciences

Full name of responsible person

Dr Masumeh Bagheri Nesami

Position

PHD/ faculty member

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

Mazandaran University of Medical Sciences, three-way Joibar, highway Basij, Imam square, Sari, Mazandaran

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Web page address**Person responsible for updating data****Contact****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