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

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 tria. The intervention group,in addithon 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 soret hroat, hoarseness and cough Questionnaire will be also filled out1, 6, 12, and 24 hours after endotracheal extubation.

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

Mazandaran University of Medical Sciences

Country

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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

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 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

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