

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Evaluation The effect of Eucalyptus flavoured candy on the severity of sore throat, cough, and hoarseness due to intubation after anesthesia in orthopedic surgery in Shahrood city

Protocol summary

Summary

The present study is a randomized clinical trial. The aim of this study was to determine the effect of Eucalyptus flavored candy on the severity of sore throat, cough, and hoarseness caused by tracheal intubation in anesthesia of open end surgery in patients referred to Imam Hossein Hospital in Shahrud in 1396. In this study, 134 patients from the population of this study that aged between 18-60 years old and ASA class 1 and 2 anesthesia who did not have a history of sore throat, cough, and hoarseness before surgery were divided into two groups of candy recipients and routine care. Patients with difficulty intubating, prolonging surgery for more than 2 hours, spasticity and the need for steroids are excluded from study. the eucalyptus candy will be given to the intervention group, half an hour before the surgery, and intervals of 2, 6, 12, 18, and 24 hours after the end of the surgery, and sore throats, coughs, and hoarseness of all patients will be examined 2, 6, 12, and 24 hours after Surgery (and 15 minutes after receiving candy). Due to the effects of candy, the outcome of this study is to provide a suitable treatment for preventing and reducing the complications after the anesthetic process.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017072335252N1**
Registration date: **2017-08-21, 1396/05/30**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-08-21, 1396/05/30

Registrant information

Name

Solmaz Nazmara

Name of organization / entity

Sabzevar University of Medical Sciences

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Phone

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Recruitment status

Recruitment complete

Funding source

Sabzevar Univesrity of Medical Sciences

Expected recruitment start date

2017-08-11, 1396/05/20

Expected recruitment end date

2017-12-11, 1396/09/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation The effect of Eucalyptus flavoured candy on the severity of sore throat, cough, and hoarseness due to intubation after anesthesia in orthopedic surgery in Shahrood city

Public title

The effect of Eucalyptus candy on sore throat, cough, and hoarseness in surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion: Patients with ASA class 1 & 2 anesthesia; no sore throat, cough or hoarseness before surgery; age between 18-60 years; Patients undergoing open orthopedic surgeries (end organ surgery); no addiction; duration from 30 to 120 minutes exclusion criteria: The need for more than one attempt to intubation; Longer time of surgery for more than 2 hours; airway spasm at the end of anesthesia; history of receiving steroids and opiates during a week before surgery

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **134**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Sabzevar University of Medical Sciences

Street address

Tohid Shahr - Paradise of the University of Medical Sciences

City

Sabzevar

Postal code

9613873136

Approval date

2017-07-16, 1396/04/25

Ethics committee reference number

ir.medsab.rec.1396.32

Health conditions studied

1

Description of health condition studied

complication of intubation

ICD-10 code

y70

ICD-10 code description

Anaesthesiology devices associated with adverse incidents

Primary outcomes

1

Description

sore throat

Timepoint

2, 6, 12 and 24 hours after extubation

Method of measurement

Visual Analog Scale

2

Description

cough

Timepoint

At recovery, 2, 6, 12 and 24 hours after extubation

Method of measurement

Asking and viewing

3

Description

hoarseness

Timepoint

2, 6, 12 and 24 hours after extubation

Method of measurement

Asking and viewing

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Five eucalyptus candy flavors will be given orally to the intervention group (first candy, half an hour before anesthesia and the rest of the candy, 6, 12, 18, and 24 hours after the end of the extubation)

Category

Prevention

2

Description

Control group: In this group, routine therapies are used, and only the variables are measured at specific times.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Hossein Shahroud Hospital

Full name of responsible person

Dr Javad Noorian

Street address

Imam Street, at the end of 28 meters

City

Shahroud

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Sabzevar University of Medical Sciences

Full name of responsible person

Dr Mohammadzadeh

Street address

Tohid Shahr - University of Medical Sciences

City

Sabzevar

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

Yes

Title of funding source

Sabzevar 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

Sabzevar University of Medical Sciences

Full name of responsible person

Javad Ganjloo

Position

Master / Clinical Faculty member

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

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Position

Master of nursing

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Full name of responsible person

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Position

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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