

# 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 51 4401 1000

##### Email address

nazmaras94@medsab.ac.ir

#### 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**

Towhid City - Sabzevar University of Medical Sciences

**City**

Sabzevar

**Postal code**

9613873136

**Phone**

+98 51 4426 4462

**Fax**

+98 51 4401 8356

**Email**

jganj@yahoo.com

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Sabzevar University of Medical Sciences

**Full name of responsible person**

Javad Ganjloo

**Position**

Master of nursing

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

Tohid Shahr - University of Medical Sciences

**City**

Sabzevar

**Postal code**

9613873136

**Phone**

+98 51 4401 8356

**Fax**

+98 51 4401 8356

**Email**

jganj@yahoo.com

**Web page address**

## Person responsible for updating data

### Contact

**Name of organization / entity**

Sabzevar University of Medical Sciences

**Full name of responsible person**

Solmaz Nazmara

**Position**

Bachelor of Nursing / Master of Nursing Student

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

Edalat Street 6 - Unit 4

**City**

Shahroud

**Postal code****Phone**

+98 23 3236 9357

**Fax****Email**

nazmaras94@medsab.ac.irsnazmara2015or@gmail.com

**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*