

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Effect of Rosemary on sore throat after general anesthesia with tracheal intubation

Protocol summary

Study aim

Effect of rosemary herbal remedy on sore throat after general anesthesia with tracheal intubation

Design

Clinical trial with control group, with parallel, double-blind, randomized

Settings and conduct

Emam reza hospital Patients will be divided to 2 groups by VAS method; study and control groups after signing informed consent for controlling of sore throat due to surgery. In study group an sterilized gauze impregnated with 10 cc of Rosemary herbal extract, packaged in the patient's throat, followed by intubation. Surgeon and anesthesia specialized will be blind to study. In control group the drug won't be given. The sore throat severity will be measured by VAS in the recovery first and then it will be repeated 2-6-24 hours after consciousness. The data will be analyzed by descriptive statistic methods, mean different tests for independent groups and by frequent measurements of RMA test, chi square test, SPSS15 statistic software. $P < 0.05$ will be sensitive statistically. The normality of data will be measured by Q-Q curve and Smirnov-Klomologrov test.

Participants/Inclusion and exclusion criteria

Inclusion criteria: all 20-60 years old patients candid for urologic surgery; ASA I-II; intubation in the position of lying on back. Exclusion criteria: NSAIDs use in 2 weeks before surgery; the history of sore throat and upper respiratory tract infections; difficult intubation; long time surgery over than 3 hours; drug reaction; addiction; psychopathic conditions; emergency patients; pregnant patients

Intervention groups

In the study group, sterilized gauze impregnated with 10 cc of Rosemary herbal extract, packaged in the patient's throat, followed by intubation and the use of placebo, an sterilized gauze impregnated with distilled water in the control group

Main outcome variables

The sore throat severity

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180806040724N1**

Registration date: **2018-09-09, 1397/06/18**

Registration timing: **retrospective**

Last update: **2018-09-09, 1397/06/18**

Update count: **0**

Registration date

2018-09-09, 1397/06/18

Registrant information

Name

Abbasali Dehgan

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3336 6777

Email address

deghania@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-08-15, 1397/05/24

Expected recruitment end date

2018-09-05, 1397/06/14

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Rosemary on sore throat after general anesthesia with tracheal intubation

Public title

Effect of Rosemary on sore throat after general anesthesia with tracheal intubation

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

All 20-60 years old patients candid for surgery ASA I-II Intubation in the position of lying on back.

Exclusion criteria:

NSAIDs use in 2 weeks before surgery The history of sore throat and upper respiratory tract infections Difficult intubation Long time surgery over than 3 hours Drug reaction Addiction Psychopathic conditions Emergency patients Pregnant patients

Age

From **19 years** old to **59 years** old

Gender

Both

Phase

3

Groups that have been masked

- Participant
- Investigator
- Outcome assessor
- Data analyser

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

Randomly permuted block

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study, researchers, evaluated patients after obtaining, informed consent and the outcome of the treatment (placebo and study) and how to divide patients into two groups (study and control) are blind

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tabriz University of Medical Sciences

Street address

Daneshgah Ave., Azadi Blvd., Tabriz Town

City

Tabriz

Province

East Azarbaijan

Postal code

51588-93895

Approval date

2018-06-10, 1397/03/20

Ethics committee reference number

IR.TBZMED.REC.1397.252

Health conditions studied

1

Description of health condition studied

Sore throat after extubation in general anesthesia

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The sore throat severity

Timepoint

Two, 6 and 24 hours after recovery

Method of measurement

Visual Analogue Scale(VAS)

Secondary outcomes

1

Description

The side effect of ROSEMARY

Timepoint

Daily

Method of measurement

Graded questionnaire

Intervention groups

1

Description

Intervention group: the study group, sterilized gauze impregnated with 10 cc of Rosemary herbal extract, packaged in the patient's throat, followed by intubation.

Category

Treatment - Drugs

2

Description

Control group: Use of placebo, an sterilized gauze

impregnated with distilled water in the control group
Category
Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam reza hospital

Full name of responsible person

Dr abbas ali deghani

Street address

Daneshgah Ave., Azadi Blvd., Tabriz Town

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vnajd228@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr atta mohammadpour

Street address

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research-vice@tbzmed.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Tabriz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr abbas ali deghani

Position

Associate professor

Latest degree

Subspecialist

Other areas of specialty/work

Anesthesiology

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Person responsible for updating data

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available