

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Effect of oral dextromethorphan on postoperative nausea and vomiting after nose mucosal surgery in admitted patients in Valiasr hospital in Zanjan in 1394.

Protocol summary

Summary

The purpose of the study was to determine the effect of oral dextromethorphan on post-operative nausea and vomiting suffered by patients undergoing nasal-mucosal surgery. The research plan was to do a randomized, mono-central, double blind clinical trial on two groups of patients, control and placebo. The inclusion and exclusion criteria were, respectively: 15-50 years of age, and personal discontent or having allergic reactions to the drug. 56 patients participated in the trial. The control group received 90 mg dextromethorphan 3 hours before anesthesia; 12 hours after the surgery, nausea and vomiting were evaluated using the Rhode index. Primary outcome measures included nausea and vomiting and the frequency of these phenomena.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015081723661N1**

Registration date: **2015-10-27, 1394/08/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-10-27, 1394/08/05

Registrant information

Name

Fateme Karimi

Name of organization / entity

Zanjan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 24 3342 0651

Email address

jalili@zums.ac.ir

Recruitment status

Recruitment complete

Funding source

Zanjan university of Medical Sciences

Expected recruitment start date

2015-07-06, 1394/04/15

Expected recruitment end date

2015-09-06, 1394/06/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of oral dextromethorphan on postoperative nausea and vomiting after nose mucosal surgery in admitted patients in Valiasr hospital in Zanjan in 1394.

Public title

Dextromethorphan effect on nausea and vomiting

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Admitted patients undergoing elective nasal mucosal surgery; Any Riskfactors for Anesthesia (ASA I ,II); Ages between 15-50. Exclusion criteria: Personal discontent; Medications that reduce or stimulate post operative nausea and vomiting; History of GI surgery; Pregnants; Fasting time less than 8 hours; long and difficult intubation; Drug allergy.

Age

From **15 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 56

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Zanjan University of Medical Sciences

Street address

Zanjan University of Medical Sciences, beginning of Jomhuri Blvd, Azadi square, Zanjan, Iran

City

Zanjan

Postal code

Approval date

2015-07-07, 1394/04/16

Ethics committee reference number

zums.rec.1394.19

Health conditions studied

1

Description of health condition studied

Nausea and Vomiting

ICD-10 code

r11

ICD-10 code description

Nausea and vomiting

Primary outcomes

1

Description

nausea and vomiting

Timepoint

12 & 24 hrs after surgery

Method of measurement

Rhode index

Secondary outcomes

1

Description

vertigo

Timepoint

12 & 24 hrs after surgery

Method of measurement

questionnaire

2

Description

respiratory distress

Timepoint

12 & 24 hrs after surgery

Method of measurement

questionnaire

Intervention groups

1

Description

dextromethorphan syrpy 90 mg/kg 3 hours before surgery in case group.

Category

Prevention

2

Description

90mg/kg oral sugar solution as placebo 3 hours before surgery in control group.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr Hospital

Full name of responsible person

Fateme Karimi

Street address

City

Zanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zanjan University Of Medical Science

Full name of responsible person

Dr Saeid Jalili

Street address

Zanjan University of Medical Sciences, beginning of
Jomhuri Blvd, Azadi square, Zanjan, Iran

City

Zanjan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Zanjan University Of Medical Science

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

Zanjan University of Medical Sciences

Full name of responsible person

Fateme Karimi

Position

MD/ student

Other areas of specialty/work

Street address

No5, Orcid apartment, 2nd alley, Arazi sabt

City

Zanjan

Postal code

Phone

+98 24 3347 0919

Fax

Email

dr.fateme.karimi@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Zanjan University of Medical Sciences

Full name of responsible person

Dr Saeid Jalilli

Position

General Anesthesiologist

Other areas of specialty/work

Street address

Mousavi hospital, Gavazang road, Zanjan

City

Zanjan

Postal code

Phone

+98 24 3313 0000

Fax

Email

jalili@zums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Zanjan University of Medical Sciences

Full name of responsible person

Fateme Karimi

Position

MD/ student

Other areas of specialty/work

Street address

No5, Orcid apartment, 2nd alley, Arazi sabt

City

Zanjan

Postal code

Phone

+98 24 3347 0919

Fax

Email

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