

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of adding dexamethasone to intracuff lidocaine 2% on decreasing the respiratory complications after general anesthesia

Protocol summary

Summary

The aim of this study was to evaluate the effect of adding dexamethasone to intracuff lidocaine 2% on the respiratory complications after general anesthesia in a randomized, double blind, prospective clinical trial. 208 patients were enrolled and assigned into four group to fill tracheal tube cuff with air, lidocaine 2%, dexamethasone, or Lidocaine2%+dexamethasone. After restoring breathing and tracheal extubation, cough, bucking, and laryngospasm were recorded till one hour and 24 hours later and pharyngeal pain was assessed 24 hours later.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138711111617N1**

Registration date: **2010-06-14, 1389/03/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-06-14, 1389/03/24

Registrant information

Name

Mansour Choubsaz

Name of organization / entity

Imam Reza Hospital

Country

Iran (Islamic Republic of)

Phone

+98 83 1724 6708

Email address

mchoubsaz@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Sciences

Expected recruitment start date

2009-06-11, 1388/03/21

Expected recruitment end date

2009-12-11, 1388/09/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of adding dexamethasone to intracuff lidocaine 2% on decreasing the respiratory complications after general anesthesia

Public title

The effect of adding dexamethasone to intracuff lidocaine 2% on decreasing the respiratory complications after general anesthesia: a randomized, double blind, clinical trial

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: ASA class I-II, candidate for elective surgery under general anesthesia with tracheal intubation Exclusion criteria: head and neck surgery, respiratory tract infection, asthma, nasogastric tube, increase intracranial or intraocular pressure, denial of patients

Age

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

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 208

Randomization (investigator's opinion)

N/A

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

Ethic committee of Kermanshah University of Medical Sciences

Street address

Pro-Vice-Chancellor for Research, Kermanshah University of Medical Sciences,

City

Kermanshah

Postal code

Approval date

2009-05-11, 1388/02/21

Ethics committee reference number

74201346

Health conditions studied

1

Description of health condition studied

cough

ICD-10 code

A37.9

ICD-10 code description

Whooping cough, unspecified

Primary outcomes

1

Description

cough

Timepoint

At the baseline and one hour and 24 hours later

Method of measurement

observation

2

Description

bucking

Timepoint

At the baseline and one hour and 24 hours later

Method of measurement

observation

3

Description

laryngospasm

Timepoint

At the baseline and one hour and 24 hours later

Method of measurement

observation

Secondary outcomes

1

Description

pharyngeal pain

Timepoint

At the baseline and again 24 hours later

Method of measurement

visual analogue scale

Intervention groups

1

Description

control group: air, Intracuff until there was no air leak at 25 CmH2o airway pressure

Category

Treatment - Drugs

2

Description

Lidocaine 2%, Intracuff until there was no air leak at 25 CmH2o airway pressure

Category

Treatment - Drugs

3

Description

Lidocaine2%+dexamethasone, Intracuff until there was no air leak at 25 CmH2o airway pressure

Category

Treatment - Drugs

4

Description

Dexamethasone, Intracuff until there was no air leak at 25 CmH2o airway pressure

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Kermanshah University of Medical Sciences and Health Services

Full name of responsible person

Dr. Habiballah Khazaie

Street address

Deputy of Research, Kermanshah University of Medical Sciences and Health Services

City

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Reza Hospital,

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr.Samad Nourizad

Street address

Kermanshah University of Medical Sciences and health Services

City

Kermanshah

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

Yes

Title of funding source

Kermanshah 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**

Imam Reza Hospital

Full name of responsible person

Zahra Johari

Position

Resident of Anesthesiology

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

Departement of Anesthesia and intensive care, Imam

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Imam Reza Hospital

Full name of responsible person

Mansour Choubsaz

Position

Anesthesiologist/Assisstant Professor

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

Kermanshah University of Medical Sciences and Health Services

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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