

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Intracuff Dexamethasone & Magnesium sulfate efficacy on frequency & severity of post- intubation sorethroat

Protocol summary

Summary

Sorethroat is a common problem after general anesthesia. It may be seen after using tracheal tube, laryngeal mask air way or even anesthesia face mask. In this study, the efficacy of intracuff dexamethasone, intracuff magnesium sulfate & placebo on sorethroat were compared. This is a randomized double blind clinical trial among 90 patients who are candidate of general anaesthesia with tracheal intubation. The patients were assigned randomly to 3 groups, each group consisted of 30 patients. Tracheal tube cuff at first group was filled with a solution of 16 mg Dexamethasone. Second group tracheal tube cuff was filled with 50 mg/kg Magnesium sulfate solution & the tracheal tube cuff at 3rd. group was filled with air. The patients were evaluated after recovery, at the end of op. day & on the morning after surgery for sorethroat & its severity (according to VAS).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112268531N1**

Registration date: **2012-02-07, 1390/11/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-02-07, 1390/11/18

Registrant information

Name

Ladan Ansari

Name of organization / entity

Islamic Azad University, Tehran Medical Branch

Country

Iran (Islamic Republic of)

Phone

+98 21 8876 4030

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lansari@iautmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Islamic Azad University, Tehran Medical Branch

Expected recruitment start date

2007-03-20, 1385/12/29

Expected recruitment end date

2010-03-20, 1388/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Intracuff Dexamethasone & Magnesium sulfate efficacy on frequency & severity of post- intubation sorethroat

Public title

Intracuff Dexamethasone & Magnesium sulfate efficacy on frequency & severity of post- intubation sorethroat

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age > 16 yr; ASA class 1 or 2; no URI infection or sorethroat at the time of surgery; no possibility of difficult air way; no candidate of surgery on air way; candidate of general anesthesia & tracheal intubation; no contraindication for receiving steroids or Magnesium sulfate. Exclusion criteria: intraoperation pharyngeal packing; intraoperation NG tube placement.

Age

From **16 years** old to **60 years** old

Gender

Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 90

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

Islamic Azad University, Tehran Medical Branch Ethics committee

Street address

Islamic Azad University, Tehran Medical Branch, Zargande, Shariati St.

City

Tehran

Postal code

19395/1495

Approval date

2011-01-15, 1389/10/25

Ethics committee reference number

8910- 1001

Health conditions studied

1

Description of health condition studied

post tracheal intubation sorethroat

ICD-10 code

Y70

ICD-10 code description

Anaesthesiology devices associated with adverse incidents

Primary outcomes

1

Description

sorethroat

Timepoint

After recovery, at the end of operation day, on the morning of the first post operation day

Method of measurement

questionare (VAS method)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention1: intracuff Desxamethasone, 16 mg, during intraoperation intubation period.

Category

Prevention

2

Description

Intervention2: intracuff Magnesium sulfate, 50 mg/kg , during intraoperation intubation period.

Category

Prevention

3

Description

control: intracuff air, during intraoperation intubation period.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Booali Hospital

Full name of responsible person

Ladan Ansari, Assistant Professor in Anaesthesiology

Street address

Damavand Ave.

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University, Tehran Medical Branch, Vice chansellor for research

Full name of responsible person

Dr. Seyedshahabedin Mohseni

Street address

Islamic Azad University, Tehran Medical Branch,

Zargande, Shariati ST. ,Tehran Medical Branch
City
Tehran
Grant name
2
Grant code / Reference number
5
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Islamic Azad University, Tehran Medical Branch, Vice
chancellor for research
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
Islamic Azad University, Tehran Medical Branch,
Booali Hospital
Full name of responsible person
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Person responsible for updating data

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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