

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Incidence of sore throat after tracheal intubation

Protocol summary

Summary

In this study we compare the incidence and severity of sore throat after interateracheal intubation by Macintosh laryngoscope to Glidescope in 300 patients who have the following conditions under General anesthesia. Inclusion criteria: Adult patients aged between 15 and 60 yr; A.S.A physical status 1 or 2 ; All patients underwent a preoperative air way evaluation they had early air way ;Patients who were operated in the supine position ;The incidence of Intubation In the End of Surgery is low;Time of Surgery: 2-4 hour. Exclusion criteria:Patients who had clinical evidence of active pulmonary disease;Patients had the previous intubation(If presence previous Anatomical Injury);Patients had artificial denture;Patients had congenital and acquisitive deformity in face neck and mouth and air way;Patients scheduled for neck or thoracic surgery;There were pathological wastage in mouth and pharynx Patients divided to two groups by random table numbers. One group intubated by Macintosh laryngoscope and the other group by Glidescope. Intubation Performed by tube number 7 or 7.5. Cuff tube adjusted between 20-25 mmHg. General anesthesia induced and maintained in a similar protocol. Patients extubation Performed deeply. After operation patients for sore throat questioned and interviewed in times: 1, 6, 24 and 48 hours by a 3 steps scale (contained none, moderate and high).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201309193773N9**
Registration date: **2014-01-31, 1392/11/11**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-01-31, 1392/11/11

Registrant information

Name

Farsad Imani

Name of organization / entity

Tehran University of Medical Sciences and Health Services

Country

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2013-03-21, 1392/01/01

Expected recruitment end date

2014-03-21, 1393/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Incidence of sore throat after tracheal intubation

Public title

Comparison of incidence of sore throat after tracheal intubation by Macintosh laryngoscope and Glidescope

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:Adult patients aged between 15 and 60 yr;A.S.A physical status 1 or 2 ; All patients underwent a preoperative air way evaluation they had early air way ;Patients who were operated in the supine position ;The incidence of Intubation In the End of Surgery is low;Time

of Surgery: 2-4 hours. Exclusion criteria: Patients who had clinical evidence of active pulmonary disease; Patients had the previous intubation (if presence previous Anatomical Injury); Patients had artificial denture; Patients had congenital and acquisitive deformity in face neck and mouth and air way; Patients scheduled for neck or thoracic surgery; There were pathological wastage in mouth and pharynx

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: **300**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tehran University of Medical Sciences

Street address

Keshavarz Blv. Cross Ghods

City

Tehran

Postal code

Approval date

2011-10-31, 1390/08/09

Ethics committee reference number

15468.210.90.3

Health conditions studied

1

Description of health condition studied

Dysphonia

ICD-10 code

R49.0

ICD-10 code description

Dysphonia, Hoarseness

2

Description of health condition studied

sore throat

ICD-10 code

J39.1

ICD-10 code description

acute sore throat, pharyngeal

Primary outcomes

1

Description

Incidence of sore throat

Timepoint

1, 6, 24, 48 hours after operation

Method of measurement

By interview and by a 3 step scale (contained none, moderate and high)

2

Description

Intensity of sore throat

Timepoint

1, 6, 24, 48 hours after operation

Method of measurement

By interview and by a 3 step scale (contained none, moderate and high)

Secondary outcomes

1

Description

Incidence of hoarseness following intubation

Timepoint

1, 6, 24, 48 hours after operation

Method of measurement

By interview and by a 3 step scale (contained none, moderate and high)

2

Description

Incidence of dysphagia following intubation

Timepoint

1, 6, 24, 48 hours after operation

Method of measurement

By interview and by a 3 step scale (contained none, moderate and high)

Intervention groups

1

Description

One group will be intubated by Macintosh laryngoscope. Intubation will be done by tube number 7

or 7.5. Cuff tube will be adjusted between 20-25 mmHg. Patients' general anesthesia will be induced and maintained in a similar protocol. Patients will be extubated deeply. After operation patients for sore throat will be questioned and interviewed in times: 1, 6, 24 and 48 hours by a 3 steps scale (contained none, moderate and high).

Category

Other

2

Description

The other group will be intubated by Glidescope. Intubation will be done by tube number 7 or 7.5. Cuff tube will be adjusted between 20-25 mmHg. Patients' general anesthesia will be induced and maintained in a similar protocol. Patients will be extubated deeply. After operation patients for sore throat will be questioned and interviewed in times: 1, 6, 24 and 48 hours by a 3 steps scale (contained none, moderate and high).

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Sina Hospital

Full name of responsible person

Dr Farsad Imani

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr Farsad Imani

Street address

Keshavarz Blvd, Qods St. Cross

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Dr Shirin Habibi

Position

Anesthesiologist

Other areas of specialty/work

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Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr Atabak Najafi

Position

Associate Professor

Other areas of specialty/work

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Position

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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