Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison score of laryngeal view in two facilitate laryngoscopy pressure Jaw thrust and BURP maneuvers during C-MAC video-laryngoscopy with blade D

Protocol summary

Summary

The aim of this study is Effect of airway maneuvers on glottis visualization during video-laryngoscopy in patients under general anesthesia. Design: Prospective crossover clinical trial. Setting and conduct: Tertiary regional and teaching hospital. Participants including major eligibility criteria: In class I- III physical health classification of the American society of Anesthesia , undergoing general anesthesia in Rasoul Akram Hospital during 2015-2017, were included sequentially. Intervention: Each patient serving as his or her own control, and received Burp and Jaw Trust Maneuver. Main outcome measures (variables): Cormack and Lehane grading, Laryngoscopic view change. Type of maneuver are coded and delivered to the patients by and individual not aware of the research process.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201706035026N6**
Registration date: **2017-06-16, 1396/03/26**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-06-16, 1396/03/26

Registrant information

Name

Masood Mohseni

Name of organization / entity

Rasul Akram hospital, Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6435 2326

Email address

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor research for Iran University Of Medical Sciences

Expected recruitment start date

2015-07-23, 1394/05/01

Expected recruitment end date

2017-02-18, 1395/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison score of laryngeal view in two facilitate laryngoscopy pressure Jaw thrust and BURP maneuvers during C-MAC video-laryngoscopy with blade D

Public title

Effect of airway maneuvers on glottis visualization during video-laryngoscopy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: all patients undergoing elective surgeries under general anesthesia and tracheal intubation. Exclusion criteria: emergency surgeries; patients with head or neck or airway anomalies; patients with the previous history of difficult airway; patients with diagnosed airway masses; patients with the history of

systemic diseases such as diabetes, rheumatoid arthritis etc.; patients with body mass index≥30.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **104**

Randomization (investigator's opinion)
N/A

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 Iran University Of Medical Sciences

Street address
Shahid Hemmat Highway, Tehran

City
Tehran

Postal code
1449614535

Approval date
2015-05-24, 1394/03/03

Ethics committee reference number
IR.IUMS.REC.1394.9211174008

Health conditions studied

1

Description of health condition studied
Failed or difficult intubation

ICD-10 code
T88.4

ICD-10 code description
Failed or difficult intubation

Primary outcomes

1

Description
View of laryngeal inlet

Timepoint
Before and instantly after intervention

Method of measurement
Cormack- Lehane scoring and grading system

2

Description
change of laryngeal view

Timepoint
Before and instantly after intervention

Method of measurement
Cormack- Lehane scoring and grading system

Secondary outcomes

1

Description
The success rate of intubation

Timepoint
After intervention

Method of measurement
successful or unsuccessful intubation

Intervention groups

1

Description
Intervention group: Burp and Jaw Thrust maneuver

Category
Prevention

2

Description
Control group: Without the maneuver

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
Rasoul Akram Hospital

Full name of responsible person
Dr. Masood Mohseni

Street address
Sattar Khan Street

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor research of Iran University of Medical Sciences

Full name of responsible person

Mohammad Musavi

Street address

Shahid Hemmat Highway

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor research of Iran 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

Iran University of Medical Sciences

Full name of responsible person

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Position

Associated professor of Anesthesiology

Other areas of specialty/work

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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