Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Comparison of laryngoscopic view and intubation conditions in "BURP"maneuver by laryngoscopist or laryngoscopist’s assistant

Protocol summary

Summary

Objectives: Difficult laryngoscopy and intubation are scenarios in which the role of the anesthesiologist is pronounced. Most difficult intubation cases require the assistance of a peer in order to perform the required maneuvers for better intubation. The main outcome for the comparison of the impact of the two interventions would be the amount of changes in laryngoscopic view. The main goal of the current study is to compare laryngoscopic view and intubation conditions in "BURP"maneuver by laryngoscopist or laryngoscopist’s assistant. Design: All patients referring to the operating room will be included without any age limits. 80 people will be randomized into two 40 subject groups of control and intervention. Blinding will be performed on both laryngoscopist and his/her assistant. This study is a single center study. Methods: laryngoscopic view and intubation conditions in "BURP"maneuver by laryngoscopist and laryngoscopist’s assistant will be recorded and compared. 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. It is expected that, using this method, the speed and the success rate of the intubation in difficult intubation cases will increase through resolving the lack of coordination between the anesthesiologist and technician. In this randomized clinical trial, laryngoscopic view has been considered as the primary outcome of the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015012520795N1**
Registration date: **2016-05-01, 1395/02/12**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-05-01, 1395/02/12

Registrant information

Name

Samad Golzari

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2016-03-20, 1395/01/01

Expected recruitment end date

2016-04-20, 1395/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of laryngoscopic view and intubation conditions in "BURP"maneuver by laryngoscopist or laryngoscopist’s assistant

Public title
"BURP" maneuver and intubation conditions
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: **80**
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 Tabriz University of Medical Sciences
Street address
Tabriz, Golgasht St., Tabriz University of Medical Sciences
City
Tabriz
Postal code
Approval date
2010-08-20, 1389/05/29
Ethics committee reference number
94.426

Health conditions studied

1

Description of health condition studied
Failed or difficult intubation
ICD-10 code
T88.4
ICD-10 code description

Primary outcomes

1

Description
Laryngoscopic view
Timepoint
Before and instantly after intervention
Method of measurement
Cormack- Lehane scoring and grading system

Secondary outcomes

1

Description
Intubation success rate
Timepoint
After intervention
Method of measurement
successful or unsuccessful intubation

Intervention groups

1

Description
BURP Maneuver performed by the technician in the intervention group
Category
Prevention

2

Description
BURP Maneuver performed by the specialist in the control group
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza Hospital
Full name of responsible person
Samad Eslam Jamal Golzari
Street address
Imam Reza Hospital, Golgasht St., Tabriz
City
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Samad Eslam Jamal Golzari
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Imam Reza Hospital, Golgasht St., Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz 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
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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