

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jul 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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+98 41 3556 6183

Email address

golzaris@tbzmed.ac.ir

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

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

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City

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

Name of organization / entity

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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