Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Differents sellick’s maneuvers on laryngosccopiy view

Protocol summary

Summary

This study was performed to compare the different techniques of cricoid pressure (CP) with regarding to the laryngoscopic view in cesarean section. 142 pregnant woman, aged 18-45 years, ASA I,II, and candidates of elective cesarean section were randomly assigned into 4 groups according to Cricoid Pressure type: A) The index finger over the cricoid cartilage with the thumb and middle finger on the either side, B) The index and middle finger over the cricoid cartilage, with the heel of hand over sternum, C) Hand was placed behind the neck, the index finger over the cricoid cartilage with the thumb and middle finger on the either side, and D) The same as technique C while pillow was placed behind the head. Laryngoscopic view was determined after induction of anesthesia, laryngoscopy and CP. Age, weight, Tyromental Distance (TMD), and teeth status (with or without tooth) were also recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138810142405N4**
Registration date: **2010-02-16, 1388/11/27**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-02-16, 1388/11/27

Registrant information

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Mitra Jabalameli
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Isfahan University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2005-06-13, 1384/03/23

Expected recruitment end date

2007-02-17, 1385/11/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Differents sellick’s maneuvers on laryngosccopiy view

Public title

Evaluation of differents sellick’s maneuvers on laryngosccopiy view in cesarean section

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Pregnancy, age 18-45 years, ASA I-II, candidates of elective cesarean section, undergoing general anesthesia Exclusion criteria: gross anatomical mandibulo-facial abnormality, cardiovascular diseases, HTN, complicated pregnancy

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

4

Groups that have been masked

No information

Sample size
Target sample size: **140**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Other
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Isfahan University of Medical Sciences
Street address
Vice-chancellor for Research, Isfahan University of Medical Sciences
City
Isfahan
Postal code
Approval date
2006-10-24, 1385/08/02
Ethics committee reference number
3851509

Health conditions studied

1

Description of health condition studied
Failed or difficult intubation during pregnancy
ICD-10 code
029.6
ICD-10 code description
Failed or difficult intubation during pregnancy

Primary outcomes

1

Description
Laryngoscopic view
Timepoint
After induction of anesthesia immediately after laryngoscopy (before and after cricoid pressure(sellick’s maneuver)
Method of measurement
visual of laryngoscopic view by a person (Anesthesiologist)

Secondary outcomes

empty

Intervention groups

1

Description
Cricoid pressure equal to 40 N (Force), from loss of consciousness after injection of IV anesthetic drugs until intubation and inflation of cuff of orotracheal tube. Method: pressure on cricoid cartilage with following technique: the index finger over the cricoid cartilage, with the thumb and middle finger either side
Category
Prevention

2

Description
Cricoid pressure equal to 40 N (Force) from loss of consciousness after injection of IV anesthetic drugs until intubation and inflation of cuff of orotracheal tube. Method: pressure on cricoid cartilage with following technique: The index and middle finger over the cricoid cartilage, with the heel of hand over sternum
Category
Prevention

3

Description
Cricoid pressure equal to 40 N (Force), from loss of consciousness after injection of IV anesthetic drugs until intubation and inflation of cuff of orotracheal tube. Method: pressure on cricoid cartilage with following technique: Hand was placed behind the neck ,the index finger over the cricoid cartilage , with the thumb and middle finger either side
Category
Prevention

4

Description
Cricoid pressure equal to 40 N (Force), from loss of consciousness after injection of IV anesthetic drugs until intubation and inflation of cuff of orotracheal tube. Method: pressure on cricoid cartilage with following technique: Hand was placed behind the neck ,the index finger over the cricoid cartilage , with the thumb and middle finger either side) while pillow was placed behind the head
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center

Beheshti Medical Center, Isfahan University of Medical Scienes

Full name of responsible person
Dr. Mitra Jabalameli

Street address
Pol Fellezi, Beheshti Medical Center

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Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Isfahan University of Medical Scienes, Medical School

Full name of responsible person
Zahra Jahanbakhsh

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Vice-chancellor for Research, Medical School, Isfahan University of Medical Sciences

City
Isfahan

Grant name
3851509

Grant code / Reference number
3851509

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

Title of funding source
Isfahan University of Medical Scienes, Medical School

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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Full name of responsible person
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Position
Specialist and Associate 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