

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Differents sellick's maneuvers on laryngoscopy 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

Name

Mitra Jabalameli

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 31 1668 7472

Email address

jabalameli@med.mui.ac.ir

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 laryngoscopy view

Public title

Evaluation of differents sellick's maneuvers on laryngoscopy 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 Sciences

Full name of responsible person

Dr. Mitra Jabalameli

Street address

Pol Fellezi, Beheshti Medical Center

City

Isfahan

+98 31 1236 3600

Email

jabalameli@med.mui.ac.ir

Web page address

www.mui.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Isfahan University of Medical Sciences

Full name of responsible person

Dr. Mitra Jabalameli

Position

Medical Doctor (specialist)

Other areas of specialty/work

Street address

Pol Fellezi, Beheshti Medical Center

City

Isfahan

Postal code

Phone

+98 31 1236 3600

Fax

+98 31 1627 3397

Email

jabalameli@med.mui.ac.ir

Web page address

www.mui.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences, Medical School

Full name of responsible person

Zahra Jahanbakhsh

Street address

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 Sciences, 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

Isfahan University of Medical Sciences

Full name of responsible person

Dr. Mitra Jabalameli

Position

Specialist and Associate Professor of Anesthesiology

Other areas of specialty/work

Street address

Pol Fellezi, Beheshti Medical Center

City

Isfahan

Postal code

Phone

+98 31 1236 3600

Fax

Person responsible for updating data

Contact

Name of organization / entity

Isfahan University of Medical Sciences

Full name of responsible person

Dr. Mitra Jabalameli

Position

Specialist and Associate Professor of Anesthesiology

Other areas of specialty/work

Street address

Pol Fellezi, Beheshti Medical Center

City

Isfahan

Postal code

Phone

+98 31 1236 3600

Fax

+98 31 1627 3397

Email

jabalameli@med.mui.ac.ir

Web page address

www.mui.ac.ir

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