

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of RAMP position with modified RAMP position in laryngoscopic view during intubation of morbid obese patients for bariatric surgery.

Protocol summary

Study aim

Comparison of RAMP position with modified RAMP position in laryngoscopic view during intubation of morbid obese patients for bariatric surgery.

Design

This study is a one-way blind controlled clinical trial on 84 patients in which patients are placed in groups using the block randomization method using a table of random numbers and adapting to blocks.

Settings and conduct

This study is performed in Hazrat Rasool Akram Hospital in Tehran, so that patients with morbid obesity who undergo bariatric surgery are positioned on the bed in two modified RAMP and RAMP, and airway intubation is performed for them. Patients are unaware of being in study groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: greater than 35, No history of deformity in the head and neck, No lung disease, No history of drug use
Exclusion criteria: History of heart disease, History of asthma, History of COPD

Intervention groups

In the first intervention group (RAMP), we provide for patients a soft pillow made of Surgical drapes and put it under the patient's head and shoulders in a supine position so that the patient's ear is in the direction of the sternum and in the modify RAMP group, a one-liter Normal Saline serum Prepare the and cover it completely with Underpads and place it the two shoulders of the patient and set the bed angle to 30 degrees.

Main outcome variables

Intubation time, need for support maneuver, amount of blood saturation at the end of Intubation

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170109031852N5**

Registration date: **2020-05-07, 1399/02/18**

Registration timing: **registered_while_recruiting**

Last update: **2020-05-07, 1399/02/18**

Update count: **0**

Registration date

2020-05-07, 1399/02/18

Registrant information

Name

Mahzad Alimian

Name of organization / entity

Iran University of Medical Science

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-04-19, 1399/01/31

Expected recruitment end date

2020-07-20, 1399/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of RAMP position with modified RAMP position in laryngoscopic view during intubation of morbid obese patients for bariatric surgery.		Name of ethics committee Ethics committee of Iran University of Medical Sciences	
Public title Comparison of RAMP position with modified RAMP position in laryngoscopic view during intubation of morbid obese patients for bariatric surgery.		Street address Iran University of Medical Sciences., Hemmat Highway., Next to Milad Tower., Tehran Town	
Purpose Treatment		City Tehran	
Inclusion/Exclusion criteria Inclusion criteria: BMI greater than 35 No history of deformity in the head and neck No lung disease No history of drug use The average age between 18-70 years No history of difficult intubation Exclusion criteria: Patients with difficult airways History of heart disease History of asthma History of COPD History of obstructive sleep apnea Malampati score more than 3		Province Tehran	
		Postal code 1433933111	
		Approval date 2020-04-18, 1399/01/30	
		Ethics committee reference number IR.IUMS.FMD.REC.1399.050	
Health conditions studied			
<u>1</u>			
Description of health condition studied obesity			
ICD-10 code E66			
ICD-10 code description Overweight and obesity			
Primary outcomes			
<u>1</u>			
Description Intubation time			
Timepoint From the moment of starting the intubation to the end of the intubation			
Method of measurement Minutes			
Secondary outcomes			
<u>1</u>			
Description Blood O2 saturation after intubation.			
Timepoint After intubation			
Method of measurement Pulse oximeter			
Intervention groups			
<u>1</u>			
Description Intervention group one : In the RAMP group, the patient lies on the bed in a supine position and a standard pillow is made of surgical drapes and placed under the patient's head and shoulders so that the patient's ear is in the direction of the sternum and then anesthesia is done.			

After intubation, study variables are measured. This intervention is performed once for each patient

Category

Treatment - Devices

2

Description

Intervention group: In Modified RAMP group, the patient lies on the bed in supine position a one-liter Normal Saline serum Prepare the and cover it completely with underpads and place it the two shoulders of the patient and set the bed angle to 30 degrees and then anesthesia is done. After intubation, study variables are measured. This intervention is performed once for each patient

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Rasoul Akram hospital

Full name of responsible person

Mahzad Alimian

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Iran University of Medical Sciences., Hemmat Highway., Next to Milad Tower., Tehran Town

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

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Full name of responsible person

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Iran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Mahzad Alimian

Position

Associate r

Latest degree

Specialist

Other areas of specialty/work

Anesthesiology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to
make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to
make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to
make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to
make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to
make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to
make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to
make this available