Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The impact of the use of propofol and thiopental alone and in combination with the ease of placement of laryngeal mask

Protocol summary

Summary

The purpose of this study is evaluation of the use of propofol and thiopental alone and in combination on the ease of placement of laryngeal mask. Persons aged over 15 years who undergo elective surgery without a history of addiction to drugs and deformity of the head and neck that the first attempt succeeded in inserting Laryngeal mask will be enrolled. For this purpose, 138 patients admitted to Valiasr hospital will be divided into 3 groups: propofol in the first group, propofol and thiopental in the second group and thiopental in the third group will be used. The patient's response to the presence or absence of gag, cough, body and head movement and laryngospasm in 30 seconds after entering the laryngeal mask will be evaluated and compared with other groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015011512642N11**
Registration date: **2015-02-11, 1393/11/22**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-02-11, 1393/11/22

Registrant information

Name
Majid Golestani Eraghi

Name of organization / entity
Shahid Beheshti University Of Medical Sciences

Country
Iran (Islamic Republic of)

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Recruitment status
Recruitment complete

Funding source
Vice Chancellor for Research and Technological Arak University of Medical Sciences

Expected recruitment start date
2015-02-04, 1393/11/15

Expected recruitment end date
2015-04-04, 1394/01/15

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title

The impact of the use of propofol and thiopental alone and in combination with the ease of placement of laryngeal mask

Public title

Effects of intravenous anesthesia for laryngeal mask insertion

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: older than 15 years old, elective surgery; No Dentures; BMI<35; No history of addiction to drugs, alcohol; no history of chronic use of sleeping drugs or psychogenic drug; No history of allergies; No deformity of the head and neck exclusion criteria: Failure to LMA insertion at the first attempt; Lack of consent of Inclusion

Age

From **15 years** old to **85 years** old

Gender

Both

Phase
1-2
Groups that have been masked
No information
Sample size
Target sample size: **138**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double 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 for Research and Technology Arak University of Medical Sciences
Street address
Sardasht Square, University Central Building
City
Arak
Postal code
Approval date
2013-02-18, 1391/11/30
Ethics committee reference number
91-141-13

Health conditions studied

1

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

Primary outcomes

1

Description
Reflex cough
Timepoint
30 seconds after placement of laryngeal mask
Method of measurement
According to see a doctor

2

Description
Heart rate
Timepoint
Before induction, immediately after injection and then every 2 minutes respiration
Method of measurement
By pulse oximetry device

3

Description
blood pressure
Timepoint
Before induction, immediately after injection and then every 2 minutes respiration
Method of measurement
By manometer pressure in millimeters of mercury

Secondary outcomes

1

Description
laryngeal spasm
Timepoint
30 seconds after placement of laryngeal mask
Method of measurement
According to see a doctor

Intervention groups

1

Description
Group 1: Pofol to the 2.5 mg / kg injection and after 30 seconds the laryngeal mask placement
Category
Prevention

2

Description
Group 2: Pofol the amount of 1.25mg / kg and thiopental to the 3.125mg / kg injection and after 30 seconds the laryngeal mask placement
Category
Prevention

3

Description
Group 3: thiopental dose of 6.25g / kg injection and after 30 seconds the laryngeal mask placement
Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
Arak Valiasr Hospital

Full name of responsible person
Majid Golestani Eraghi

Street address
Valiasr Square

City
Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice Chancellor for Research and Technological Arak University of Medical Sciences

Full name of responsible person
Hossein Rafie

Street address
Sardasht Square,University Central Building

City
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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
Vice Chancellor for Research and Technological Arak 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

Person responsible for scientific inquiries

Contact

Name of organization / entity
Department of Anesthesiology, Shahid Beheshti University of Medical Sciences

Full name of responsible person
Majid Golestani Eraghi

Position
Fellowship subspecialty care

Other areas of specialty/work

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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