

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

04 Jun 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)

##### Phone

+98 21 3336 0547

##### Email address

dr.golestani@arakmu.ac.ir

##### 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**

Arak

**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**

**Street address**

Darabad, Masih Daneshvari Hospital

**City**

Tehran

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**Phone**

+98 21 2712 2525

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**Email**

dr.golestani@sbmu.ac.ir

**Web page address**

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

Department of Anesthesiology, Shahid Beheshti  
University of Medical Sciences

**Full name of responsible person**

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**Web page address**

**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*