

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

13 Jun 2026

### Comparison of Gabapentin, Pregabalin and placebo as premedication for attenuation of hemodynamic response to laryngoscopy and endotracheal intubation

#### Protocol summary

##### Summary

Introduction: Tracheal intubation and direct laryngoscopy are powerful noxious stimuli that can elicit hemodynamic responses and should be attenuated by appropriate premedication, smooth induction and rapid intubation. The aim of this study is to compare the effect of gabapentin and pregabalin as premedication for attenuation of hemodynamic response to laryngoscopy and endotracheal intubation. Methods: In a prospective double blinded randomized clinical trial, a total of 90 normotensive adult consented patients aged 20-50 years, ASA grade I and II, of both gender will be randomized into three groups. Group I will receive oral placebo, Group II oral gabapentin 900 mg and Group III oral pregabalin 150 mg 2 h prior to induction of anesthesia. Anesthetic technique will be same and all groups will be assessed for hemodynamic changes after the premedication, before and after induction, and 1, 3 and 5 min after laryngoscopy and intubation.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2017041133365N1**

Registration date: **2017-06-24, 1396/04/03**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2017-06-24, 1396/04/03

##### Registrant information

##### Name

Alireza Mahoori

**Name of organization / entity**

Urmia University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 44 3346 8967

##### Email address

mahouri.a@umsu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Urmia University of Medical Sciences

##### Expected recruitment start date

2017-05-22, 1396/03/01

##### Expected recruitment end date

2017-08-23, 1396/06/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of Gabapentin, Pregabalin and placebo as premedication for attenuation of hemodynamic response to laryngoscopy and endotracheal intubation

##### Public title

Comparison of Gabapentin, Pregabalin and placebo as premedication for attenuation of hemodynamic response to laryngoscopy and endotracheal intubation

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: 20-50 yrs old; physical status I, II; elective surgery under general anesthesia; tracheal intubation with cuffed tube. Exclusion criteria: Morbid obesity; history of allergy; history of study drugs

consumption.

## Age

From **20 years** old to **50 years** old

## Gender

Both

## Phase

N/A

## Groups that have been masked

*No information*

## Sample size

Target sample size: **90**

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Double blinded

## Blinding description

## Placebo

Used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethic commity of Urmia University of Medical Sciences

##### Street address

Jahad st.

##### City

Urmia

##### Postal code

#### Approval date

2013-09-23, 1392/07/01

#### Ethics committee reference number

UMSU.REC.1392.239

## Health conditions studied

### 1

#### Description of health condition studied

Laryngoscopy and intubation in elective surgery

#### ICD-10 code

#### ICD-10 code description

## Primary outcomes

### 1

#### Description

HR

#### Timepoint

1,3, and 5 min after intubation

## Method of measurement

Monitoring

### 2

#### Description

systolic BP

#### Timepoint

1,3, and 5 min after intubation

#### Method of measurement

Monitoring

### 3

#### Description

Diastolic

#### Timepoint

1,3, and 5 min after intubation

#### Method of measurement

Monitoring

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Group III will receive oral pregabalin 150 mg (Sobhan) 2 h prior surgery

#### Category

Treatment - Drugs

### 2

#### Description

Control group will receive oral placebo 2 h before surgery

#### Category

Treatment - Drugs

### 3

#### Description

Group II will receive oral gabapentin 900 mg (Razak), 2h before surgery

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Imam Khomeini Hospital

##### Full name of responsible person

##### Street address

##### City

Urmia

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Vice Chancellor for research of ,Urmia University of  
Medical Sciences

**Full name of responsible person**

Dr. Iraj Mohebbi

**Street address**

Jahad st. Urmia University

**City**

Urmia

**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 of ,Urmia 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****Name of organization / entity**

Urmia University of Medical Sciences

**Full name of responsible person**

Alireza Mahoori

**Position**

Professor

**Other areas of specialty/work****Street address**

Urmia, Ershad street, Imam Khomeini Hospital

**City**

Urmia

**Postal code****Phone**

+98 44 3346 8967

**Fax****Email**

at\_mahoori@yahoo.com

**Web page address**

## Person responsible for scientific inquiries

**Contact****Name of organization / entity**

Urmia University of Medical Sciences

**Full name of responsible person**

Alireza Mahoori

**Position**

Professor

**Other areas of specialty/work****Street address**

Ershad street, Imam Khomeini Hospital

**City**

Urmia

**Postal code****Phone**

+98 443468967

**Fax****Email**

at\_mahoori@yahoo.com

**Web page address**

## Person responsible for updating data

**Contact****Name of organization / entity****Full name of responsible person**

Alireza Mahoori

**Position****Other areas of specialty/work****Street address****City****Postal code****Phone**

00

**Fax****Email****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*