

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

The effect of of intravenous Lidocaine in comparison with oral Clonidine on hemodynamic responses after direct laryngoscopy and tracheal intubation in patients undergo elective surgery with general anesthesia

Protocol summary

Summary

As designing double-blind study 86 patients would observe for elective surgery under general anesthesia. patients divided in two groups by random. In group L 1 mg/kg Lidocaine will administer 90 seconds before direct laryngoscopy and intubation intravenously. And in group C 0.2 mg Clonidine will administer 90 minutes before direct laryngoscopy and intubation orally. patients will compare in defined times (after intubation) for HR-SBP-DBP-MAP variables. designing study concluded 18 years old and older with ASA class I and II. Patients taking drugs or existence of diseases or factors which affect hemodynamic or autonomic system would excluded from study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014102819731N1**

Registration date: **2015-01-02, 1393/10/12**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-01-02, 1393/10/12

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2012-03-19, 1390/12/29

Expected recruitment end date

2013-03-20, 1391/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of of intravenous Lidocaine in comparison with oral Clonidine on hemodynamic responses after direct laryngoscopy and tracheal intubation in patients undergo elective surgery with general anesthesia

Public title

The effect of of intravenous Lidocaine in comparison with oral Clonidine on heart rate and blood pressure after tracheal intubation in patients undergo elective surgery with general anesthesia

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria (patients older than 18 years old ; with ASA class I and II). Exclusion criteria (patients taking drugs that affect hemodynamic or autonomic system ; obese patients (BMI > 35) ; patients who have difficult airway (3 miller's criteria +) ; hypovolumic patient ; coronary arteries diseases ; respiratory ; renal ; cerebral

diseases ; pheochromocytoma ; hypo or hyperthyroidism ; electrocardiographic disturbances ; CHF ,diabetes mellitus ; ,uncontrolled hypertension ; mallampati ; history of allergy or contraindication for drugs used in this study ; pregnant women ; and also patients with more than one laryngoscopic trying for intubation) .

Age

From **18 years** old to **90 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **86**

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

Ethical Committee of Research Institute,Tehran
University of Medical Science

Street address

Faculty of Medicine, North of Tehran
University,Poorsina street, Keshavarz blv

City

Tehran

Postal code

Approval date

2013-09-28, 1392/07/06

Ethics committee reference number

1424/130/ 92/ ص

Health conditions studied

1

Description of health condition studied

Paitients undergo direct laryngoscopy and tracheal intubation with general anesthesia

ICD-10 code

T88

ICD-10 code description

Other complications of surgical and medical care, not elsewhere classified

Primary outcomes

1

Description

systolic blood presure

Timepoint

5 minute before induction,just before laryngoscopy and 1-3-5-10 minutes after laryngoscopy and tracheal intubation

Method of measurement

blood presure manometer in mmHg

2

Description

diastolic blood presure

Timepoint

5 minute before induction,just before laryngoscopy and 1-3-5-10 minutes after laryngoscopy and tracheal intubation

Method of measurement

blood presure manometer in mmHg

3

Description

mean arterial blood presure

Timepoint

5 minute before induction,just before laryngoscopy and 1-3-5-10 minutes after laryngoscopy and tracheal intubation

Method of measurement

blood presure manometer in mmHg

4

Description

heart rate

Timepoint

5 minute before induction,just before laryngoscopy and 1-3-5-10 minutes after laryngoscopy and tracheal intubation

Method of measurement

counting heart ratenting

Secondary outcomes

empty

Intervention groups

1

Description

In Clonidine group 0.2 mg Clonidine tablet is given 90 minutes before elective surgery and 4 ml normal saline is given intravenously 90 seconds before laryngoscopy and intubation as placebo.

Category

2**Description**

In Lidocaine group a placebo tablest as the same shape of 0.2 mg Clonidine tablet is given 90 minutes before elective surgery and 1 mg/kg Lidocaine is given intravenously 90 seconds before laryngoscopy and intubation.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Dr. Shariati Hospital

Full name of responsible person

Dr. Alireza Maziar

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North Karegar street

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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

Tehran University of Medical Science

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**

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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