

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 2026

### Investigation through effects of intravenous lidocaine and fentanyl on hemodynamic responses after intubation

#### Protocol summary

##### Summary

The purpose of this research is to find the best drugs in intubation that have the least side effects. This is a simple nonrandomized, double-blind clinical trial in patients who needed emergency intubation in Edalatian emergency center, Imam Reza Hospital, Mashhad University of Medical Sciences. All patients requiring endotracheal intubation, and those who do not demonstrate sensitivity towards lidocaine consumption, are included in this study. Exclusion criteria include: predetermined sensitivity to fentanyl; crash intubation; difficult intubation. The patients were divided into 3 groups, each with a sample size of 30 participants. The control group (M) were injected with 3 µg/kg IV fentanyl and 1.5 mg/kg IV lidocaine. Group (F) were given 3 µg/kg IV fentanyl and group (L) were given 1.5 mg/kg IV lidocaine. Heart rate and mean arterial pressure were assessed 4 times: before intubation, exactly after intubation, 5 and 10 minutes after intubation.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016121514872N5**

Registration date: **2017-06-25, 1396/04/04**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-06-25, 1396/04/04

##### Registrant information

##### Name

Mohammad Davood Sharifi

##### Name of organization / entity

Mashhad University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 51 3852 5312

##### Email address

sharifimd@mums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Mashhad university of medical sciences

##### Expected recruitment start date

2015-03-21, 1394/01/01

##### Expected recruitment end date

2016-04-20, 1395/02/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Investigation through effects of intravenous lidocaine and fentanyl on hemodynamic responses after intubation

##### Public title

Investigation through effects of intravenous lidocaine and fentanyl on hemodynamic responses after intubation

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

inclusion criteria: All patients who need endotracheal intubation; insensitivity to lidocaine exclusion criteria: predetermined sensitivity to fentanyl; crash intubation; difficult intubation

##### Age

No age limit

##### Gender

Both

## Phase

3

### 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

Not used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Mashhad University of Medical Sciences

##### Street address

Daneshgah street, Ghoreishi building

##### City

Mashhad

##### Postal code

##### Approval date

2014-11-08, 1393/08/17

##### Ethics committee reference number

930268

## Health conditions studied

### 1

#### Description of health condition studied

adverse effect of intubation

#### ICD-10 code

T88.7

#### ICD-10 code description

Unspecified adverse effect of drug or medicament

## Primary outcomes

### 1

#### Description

Heart Rate

#### Timepoint

Before intubation, 0 and 5 and 10 minutes after intubation

#### Method of measurement

Cardiac monitoring

### 2

#### Description

Mean Arterial Pressure

#### Timepoint

Before intubation, 0 and 5 and 10 minutes after intubation

#### Method of measurement

Mean Arterial Pressure with cardiac monitoring device

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Control group: They were injected with 3 µgr/kg IV fentanyl and 1.5 mg/kg IV lidocaine

#### Category

Prevention

### 2

#### Description

Intervention group: In this group, participants were injected with 3 µgr/kg IV fentanyl.

#### Category

Prevention

### 3

#### Description

Intervention group: In this group, participants were injected with 1.5 mgr/kg IV lidocaine.

#### Category

Prevention

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Emam Reza Hospital

##### Full name of responsible person

Mohammad Davood Sharifi

##### Street address

Edalatian Emergency Center, Imam Reza Hospital, Imam Reza Square, Mashhad, Iran

##### City

Mashhad

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Mashhad University of Medical Sciences

**Full name of responsible person**

Dr. Saeid Eslami

**Street address**

Ghoreishi building, Daneshgah street

**City**

Mashhad

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Mashhad 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**

Mashhad University of Medical Sciences

**Full name of responsible person**

Mohammad Davood Sharifi

**Position**

associate professor

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

Edalatian emergency, Imam Reza hospital

**City**

Mashhad

**Postal code****Phone**

+98 51 3852 5312

**Fax****Email**

SHARIFIMD@MUMS.AC.IR

**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

**Full name of responsible person**

Mohammad Davood Sharifi

**Position**

Emergency medicine specialist

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

Edalatian emergency, Imam Reza hospital

**City**

Mashhad

**Postal code****Phone**

+98 51 3852 5312

**Fax****Email**

Sharifimd@mums.ac.ir

**Web page address****Person responsible for updating data****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

**Full name of responsible person**

Mohammad Davood Sharifi

**Position**

Emergency medicine specialist

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Edalatian Emergency Center, Emam Reza hospital,

Emam Reza Square, Mashhad

**City**

Mashhad

**Postal code****Phone**

+98 51 3852 5312

**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*