

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 2026

### Comparison effect of propofol and Dexmedetomidine in hemodynamic response in emergency intubation

#### Protocol summary

##### Summary

Aim of this study is comparison effect of propofol and Dexmedetomidine in hemodynamic response in intubation. This study is clinical trial and double blind in emergency intubation in Valiasr hospital. 114 patient divided randomly two groups (Propofol and Dexmedetomidin). At first we inject 2-3 micro gram per kilogram Fentanyl plus 2-3 Lidocaine 2% and 1-3 milligram Midazolam. So after Succinylcholine 1 milligram per kilogram. We inject 0/4 microgram per kilogram Dexmedetomidin in first group and 50-70 milligram per kilogram propofol in second group for hemodynamic response control in patient and intubation. We record hemodynamic sign include systolic blood pressure, diastolic blood pressure, mean arterial pressure, blood heart rate before and after intubation number of cough after intubation. Inclusion criteria: ASA I and II; without chronic disease; lack of drug abuse; age 18-75; both of gender Exclusion criteria: unwillingness to participate in the study.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016102520258N14**

Registration date: **2016-10-31, 1395/08/10**

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

Last update:

Update count: **0**

##### Registration date

2016-10-31, 1395/08/10

##### Registrant information

###### Name

Fariba Farokhi

###### Name of organization / entity

Arak University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 86 3222 2003

###### Email address

f.farokhi@arakmu.ac.ir

###### Recruitment status

**Recruitment complete**

###### Funding source

Vice President of Research Arak University of Medical Sciences

###### Expected recruitment start date

2016-10-09, 1395/07/18

###### Expected recruitment end date

2018-10-10, 1397/07/18

###### Actual recruitment start date

empty

###### Actual recruitment end date

empty

###### Trial completion date

empty

###### Scientific title

Comparison effect of propofol and Dexmedetomidine in hemodynamic response in emergency intubation

###### Public title

Comparison effect of propofol and Dexmedetomidine in hemodynamic response in emergency intubation

###### Purpose

Treatment

###### Inclusion/Exclusion criteria

Inclusion criteria: ASA I and II; without chronic disease; lack of drug abuse; age 18-75; both of gender Exclusion criteria: Unwillingness to participate in the study

###### Age

From **18 years** old to **75 years** old

###### Gender

Both

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 114

## 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 Arak University Of Medical Sciences

##### Street address

Vice chancellor for research, Payambar Azam Complex, Basij square, Sardasht, Arak

##### City

Arak

##### Postal code

848176941

#### Approval date

2016-09-27, 1395/07/06

#### Ethics committee reference number

IR.SBMU.MSP.REC.1395.247

## Health conditions studied

### 1

#### Description of health condition studied

Emergency intubation

#### ICD-10 code

T88.4

#### ICD-10 code description

Failed or difficult intubation

## Primary outcomes

### 1

#### Description

systolic blood pressure

#### Timepoint

rate before and after intubation

#### Method of measurement

millimeter Hg

### 2

#### Description

diastolic blood pressure

#### Timepoint

before and after inubation

#### Method of measurement

milimeter Hg

### 3

#### Description

mean arterial pressure

#### Timepoint

before and after inubation

#### Method of measurement

milimeter Hg

### 4

#### Description

heart rate

#### Timepoint

before and after inubation

#### Method of measurement

number in minute

### 5

#### Description

number of cough

#### Timepoint

after intubation

#### Method of measurement

number

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

We inject 0/4 micro gram per kilogram Dexmedetomidin in first group

#### Category

Treatment - Drugs

### 2

#### Description

We inject 50-70 milligram per kilogram propofol in second group.

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**

Valiasr Hospital

**Full name of responsible person**

Dr Alireza Kamali

**Street address**

Valiasr Hospital, Arak

**City**

Arak

+98 86 3222 2003

**Fax****Email**

alikamaliir@yahoo.com

**Web page address****Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Vice chancellor for research, Arak University of Medical Sciences

**Full name of responsible person**

Dr Mohammad Rafiee

**Street address**

Vice chancellor for research, Payambar Azam Complex, Basij square, Sardasht, Arak

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

Arak University Of Medical Sciences

**Full name of responsible person**

Dr Alireza Kamali

**Position**

Anesthesiologist

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

medicine department, Payambarazam complex, Basij square, Sardasht, Arak

**City**

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**Postal code**

3814957558

**Phone****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Arak University Of Medical Sciences

**Full name of responsible person**

Dr Alireza Kamali

**Position**

Anesthesiologist

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alikama;iir@yahoo.com

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

medicine department

**Full name of responsible person**

Dr Mohtaram Esfandiar

**Position**

resident of emergency medicine

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

Payambar Azam Complex, Basij Square, Sardasht, Arak

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**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*