# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 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

## 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**
Arak
**Postal code**
3814957558
**Phone**
+98 86 3222 2003
**Fax**
**Email**
alikamaliir@yahoo.com
**Web page address**

## 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
**Other areas of specialty/work**
**Street address**
Valiasr Hospital, Valiasr squre, Shahid Shirodi street
**City**
Arak
**Postal code**
3814957558
**Phone**
+98 86 3222 2003
**Fax**
**Email**
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
**City**
Arak
**Postal code**
3814957558
**Phone**
+98 86 3222 2003
**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*