

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Sep 2026

### Comparing hemodynamic effects of conventional laryngoscope versus Video Laryngoscope in surgeries of Imam Reza hospital of Birjand in 2015

#### Protocol summary

##### Summary

The aim of this study is to compare the hemodynamic effects of using a conventional laryngoscope versus video Laryngoscope for intubation in surgeries . The main inclusion criteria of the study are age between 18 and 50 years old and class 1 and 2 based on American Society of Anesthesiologists classification. Exclusion criteria are emergency patients and patients with underlying risk factors. Study population of this research includes patients that during of this study, will be candidate for general anesthesia in Imam Reza hospital of Birjand for elective surgical treatment. According to the same studies, the sample size in each group will be 21 people. Hemodynamic parameters of all patients before anesthesia, after anesthesia and after intubation (for monitoring treatment outcomes) will be measured and recorded.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016102718063N4**

Registration date: **2016-11-07, 1395/08/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2016-11-07, 1395/08/17

##### Registrant information

##### Name

Ali Rajabpour Sanati

##### Name of organization / entity

Birjand University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

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##### Email address

ali.poursanati@bums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice-chancellor for research - Birjand University of Medical Sciences

##### Expected recruitment start date

2016-06-21, 1395/04/01

##### Expected recruitment end date

2016-09-22, 1395/07/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparing hemodynamic effects of conventional laryngoscope versus Video Laryngoscope in surgeries of Imam Reza hospital of Birjand in 2015

##### Public title

Comparing cardiovascular effects of conventional versus video intubation

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: age between 18 and 50 years old; would like to participate in the study after a full explanation of the research objectives and methods advantages and disadvantages; according to America Society of Anesthesiologists (ASA) patients should be in class one and two (ASA Class I and II). Exclusion criteria: emergency patients; patients who are diagnosed unstable in hemodynamic parameters; patients with a variety of systemic diseases (HTN, DM, COPD, asthma,

etc.); patients with a history of drug abuse; patients with high Malanpaty 2; patients with a BMI greater than 35; patients suffering from neck movements; difficult intubation criteria; patients who have difficulty in opening mouth.

**Age**

From **18 years** old to **50 years** old

**Gender**

Both

**Phase**

2-3

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **42**

**Randomization (investigator's opinion)**

Randomized

**Randomization description****Blinding (investigator's opinion)**

Single blinded

**Blinding description****Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Birjand University of Medical Sciences

**Street address**

Ghaffari Street

**City**

Birjand

**Postal code**

9717 911 766

**Approval date**

2016-03-12, 1394/12/22

**Ethics committee reference number**

ir.bums.1394.361

**Health conditions studied****1****Description of health condition studied**

Intubation Complications

**ICD-10 code**

T88.4

**ICD-10 code description**

Failed or difficult intubation

**Primary outcomes****1****Description**

Mean Systolic Blood Pressure

**Timepoint**

Before anesthesia-After Intubation

**Method of measurement**

Blood Pressure Monitoring

**Secondary outcomes****1****Description**

Heart Rate

**Timepoint**

Before Anesthesia-After Intubation

**Method of measurement**

Vital Sign Monitoring

**Intervention groups****1****Description**

Conventional laryngoscopy group: patients of this group will be intubated using a conventional laryngoscope.

**Category**

Treatment - Other

**2****Description**

Video laryngoscopy group: patients of this group will be intubated using the video laryngoscope.

**Category**

Treatment - Drugs

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

Emam Reza Hospital

**Full name of responsible person**

Mahmoud Jafari

**Street address**

Ghaffari Street

**City**

Birjand

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Vice-chancellor for research - Birjand University of

Medical Sciences  
**Full name of responsible person**  
 Doctor Zarban  
**Street address**  
 Ghaffari Street  
**City**  
 Birjand  
**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 - Birjand 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

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 Birjand University of Medical Sciences  
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## Person responsible for scientific inquiries

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**Full name of responsible person**  
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## Person responsible for updating data

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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