

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

29 May 2026

### Comparison hemodynamic change with low dose isoflurane anesthesia and propofol in intravenous anesthesia for upper femoral surgery in old persons

#### Protocol summary

##### Summary

Operations that may occur in the upper part of the femur in elderly because hip fracture or femoral neck fracture, total hip replacement. For surgery of the upper femur used two ways: regional or general anesthesia. This study is a prospective randomized clinical trial single blind in Tabriz Shohada Medical Center and will be done in 1392. The number of samples in each group and 30. The following routine monitors were applied: electrocardiogram, noninvasive blood pressure cuff, radial arterial line, pulse oximetry, end-tidal CO<sub>2</sub>, will be performed for patients with CVL was inserted during surgery and was kept at 10-12 kg / 7 ml tidal volume to be infused after anesthetic induction and maintenance of anesthesia, propofol was used in the second group was used for maintenance of anesthesia low dose of isoflurane gas

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201309297313N2**

Registration date: **2014-01-09, 1392/10/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-01-09, 1392/10/19

##### Registrant information

###### Name

Mirmohammadtaghi Mortazavi

###### Name of organization / entity

Tabriz University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 41 3669 1953

###### Email address

mortazavimt@tbzmed.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Tabriz University of Medical Sciences

##### Expected recruitment start date

2013-09-29, 1392/07/07

##### Expected recruitment end date

2013-12-28, 1392/10/07

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison hemodynamic change with low dose isoflurane anesthesia and propofol in intravenous anesthesia for upper femoral surgery in old persons

##### Public title

Comparison hemodynamic change with low dose isoflurane anesthesia and propofol in intravenous anesthesia for upper femoral surgery in old persons

##### Purpose

Supportive

##### Inclusion/Exclusion criteria

Inclusion criteria: patients with ASA physical status I and II; aged over 55 yr; for upper femoral surgery. Exclusion criteria: MI; CHF; COPD; Coagulation disorder; Renal disorder; Severe dehydration; severe Bleeding in Operation

##### Age

From **55 years** old to **90 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked***No information***Sample size**Target sample size: **60****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**

Tabriz univcrity of medical sciences

**Street address**

Golgasht Ave Tabriz Iran

**City**

Tabriz

**Postal code****Approval date**

2013-06-23, 1392/04/02

**Ethics committee reference number**

9264

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

Fracture of femur

**ICD-10 code**

S72.9

**ICD-10 code description**

fracture of femur, part unspecified

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

Systolic blood pressure

**Timepoint**

Befor anesthesia -post Induction -post Intubation - surgery and minute

5-10-15-20-25-30-35-40-45-50-55-60-75 -90-.....

**Method of measurement**

Blood pressure manometer by mmHg

**2****Description**

Diastolic blood pressure

**Timepoint**

Befor anesthesia -post Induction -post Intubation - surgery and minute

5-10-15-20-25-30-35-40-45-50-55-60-75 -90-.....

**Method of measurement**

Blood pressure manometer by mmHg

**3****Description**

Mean blood pressure

**Timepoint**

Befor anesthesia -post Induction -post Intubation - surgery and minute

5-10-15-20-25-30-35-40-45-50-55-60-75 -90-.....

**Method of measurement**

Blood pressure manometer by mmHg

**4****Description**

heart rate

**Timepoint**

Befor anesthesia -post Induction -post Intubation - surgery and minute

5-10-15-20-25-30-35-40-45-50-55-60-75 -90-.....

**Method of measurement**

Electrocardiogram

**5****Description**

arterial oxygen saturation

**Timepoint**

Befor anesthesia -post Induction -post Intubation - surgery and minute

5-10-15-20-25-30-35-40-45-50-55-60-75 -90-.....

**Method of measurement**

puls oximetry

**Secondary outcomes**

empty

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

group 2 : Propofol :50-100mic/kg/min and oxygen, N2o, remifentanyl and muscle relaxants is for anesthesia.

**Category**

Other

## 2

### Description

group 1:Isofloran: 0.5MAC and oxygen, N2o, remifentanyl and muscle relaxants is for anesthesia.

### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Operating room of Shohada Hospital

##### Full name of responsible person

Dr.Mortazavi

##### Street address

Shohada Hospital

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

vice chancellor for research ,Tabriz University of Medical Sciences

##### Full name of responsible person

Mirmohammadtaghi Mortazavi

##### Street address

Shohada Hospital

##### City

Tabriz

##### 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 ,Tabriz 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

Tabriz univercity of medical sciences

##### Full name of responsible person

Naser Rezapoor

##### Position

Assistant of anesthesia

##### Other areas of specialty/work

##### Street address

Tabriz university of medical sciences Departement of anesthesiology

##### City

Tabriz

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5169644589

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mortazavimmt@yahoo.com /

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rezapoornaser@yahoo.com

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## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Shohada Hospital

##### Full name of responsible person

Mirmohammadtaghi Mortazavi

##### Position

Assistant professor

##### Other areas of specialty/work

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+98 41 1384 1638

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##### Web page address

## Person responsible for updating data

#### Contact

## 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*