

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 is 30. The following routine monitors were applied: electrocardiogram, noninvasive blood pressure cuff, radial arterial line, pulse oximetry, end-tidal CO₂, 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

Postal code

5169644589

Phone

+41 13841638

Fax

Email

mortazavimmt@yahoo.com /

mortazavimt@tbzmed.ac.ir /

rezapoornaser@yahoo.com

Web page address

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

Street address

Shohada Hospital

City

Tabriz

Postal code

5169644589

Phone

+98 41 1384 1638

Fax

Email

mortazavimmt@yahoo.com

mortazavimt@tbzmed.ac.ir

rezapoornaser@yahoo.com

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