

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Compare intravenous anesthetic agents to provide fast-acting in minor orthopedic surgery

Protocol summary

Summary

Aim of this study is to Compare intravenous anesthetic agents to provide fast-acting relief of minor orthopedic surgery. Inclusion criteria: ASA I and II, during surgery less than 30 minutes, age 18 - 65. Exclusion criteria: during surgery more than 30 minutes; allergy to drugs used in this study; drug abuse; use sedation's drug 90 patients were randomly divided into two groups. The first group inject Ketamine 0.5 mg/ kg and Propofol 0.5 mg/ kg. The second group inject ketamine 0.5 mg/ kg and Thiopental 50-75 mg. Researcher recorded vital sign and number of BIS monitoring every 5 minutes during surgery. Researcher recorded pain with visual analogue scale(VAS)after surgery. Researcher recorded recovery time for all patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016032320258N6**

Registration date: **2016-05-15, 1395/02/26**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-05-15, 1395/02/26

Registrant information

Name

Fariba Farokhi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Arak University Of Medical Sciences

Expected recruitment start date

2015-07-21, 1394/04/30

Expected recruitment end date

2017-02-18, 1395/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Compare intravenous anesthetic agents to provide fast-acting in minor orthopedic surgery

Public title

Compare intravenous anesthetic agents to provide fast-acting in minor orthopedic surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: ASA I and II; during surgery less than 30 minutes; age 18- 65 Exclusion criteria: during surgery more than 30 minutes; allergy to drugs used in this study; drug abuse; use of sedation drugs

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 90

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**

Arak University Of Medical Sciences

Street address

Research Center, Payambar Azam Complex, Basij
Squire ,Sardasht,Arak

City

Arak

Postal code**Approval date**

2015-06-21, 1394/03/31

Ethics committee reference number

IR.ARAKMU.REC.1394.42

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

Minor orthopedic surgery

ICD-10 code

M84.3

ICD-10 code description

Stress fracture, not elsewhere classified

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

Pulse of heart

Timepoint

every 5 minutes until the end of surgery

Method of measurement

count

2**Description**

Respiratory

Timepoint

Every 5 minutes until the end of surgery

Method of measurement

Count

3**Description**

Temperature

Timepoint

Every 5 minutes until the end of surgery

Method of measurement

Thermometer

4**Description**

Blood pressure

Timepoint

every 5 minutes until the end of surgery

Method of measurement

Barometer

5**Description**

Bispectral index

Timepoint

every 5 minutes until the end of surgery

Method of measurement

connection of electrode

6**Description**

Pain

Timepoint

After operation

Method of measurement

Visual Analogue Scale

7**Description**

Recovery time

Timepoint

After operation

Method of measurement

Minute

Secondary outcomes

empty

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

First group of patients inject Ketamine 0.5 mg/ kg and
Propofol 0.5 mg/ kg

Category

Treatment - Drugs

2

Description

Second group inject ketamine 0.5 mg/ kg and Thiopental 50-75 mg

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr Hospital

Full name of responsible person

Dr Hanie Kianipour

Street address

Valiasr Hospital

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor For Research, Arak University Of Medical Science

Full name of responsible person

Dr Mohammad Rafiee

Street address

Vice Chancellor For Research, Arak University Of Medical Science

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 Science

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 Hanie Kianipour

Position

resident of anesthesia

Other areas of specialty/work

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Dr Hanie Kianipour

Position

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Other areas of specialty/work

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Payambar Azam Complex, Basij Square, Sardasht, Arak

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Fax

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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