

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Assessment Of Hemodynamic Effect Of Different Infusion Rates Of Propofol In Surgery Patient In Ahvaz Emam KHomini Hospital

Protocol summary

Summary

This study intends to specify the ideal dosage of propofol in such a way that has the least side effect and, at the same time, has the most curing characteristics in patients. Inclusion criteria: ASA class 1; age between 15-55 years. Exclusion criteria: ASA class > 2; Addiction; liver, kidney, cardiac disease; sensitivity for egg; Hemodynamic instability. The target sample size consists of 58 patients that have been equally divided into two groups: A (50ug/kg/min) and B (100ug/kg/min). After being anesthetically induced with the same dosage, according to their weights, they have been infused by propofol. During the surgical operation, the infusion continues and it stops 15 minutes before the termination of the operation. The systolic and diastolic blood pressure, main arterial and heart rate in the minutes 0-2-5-10-15-20-30-45-60-120-240-360 are registered and BIS of the patient registered during the surgical operation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013093014831N1**

Registration date: **2013-11-12, 1392/08/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-11-12, 1392/08/21

Registrant information

Name

MASOUD ASADINIA

Name of organization / entity

AHVAZ JUNDISHAPUR OF MEDICAL SCIENCE

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur Of University Of Medical Science

Expected recruitment start date

2012-12-20, 1391/09/30

Expected recruitment end date

2013-06-20, 1392/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment Of Hemodynamic Effect Of Different Infusion Rates Of Propofol In Surgery Patient In Ahvaz Emam KHomini Hospital

Public title

Assessment Of Hemodynamic Effect Of Propofol

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: ASA class 1; age between 15-55 years.

Exclusion

criteria: ASA class > 2; Addiction; liver, kidney, cardiac disease; sensitivity for egg; Hemodynamic instability

Age

From **15 years** old to **55 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 58

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

Ahvaz Jundishapur Of Medical Science

Street address

Bolvar Golestan Jundishapur Medical Science-Ahvaz-KHozestan-iran

City

Ahvaz

Postal code

Approval date

2012-12-19, 1391/09/29

Ethics committee reference number

ETH-642

Health conditions studied

1

Description of health condition studied

Propofol adverse events

ICD-10 code

Y 48.2

ICD-10 code description

Other and unspecified general anaesthetics

Primary outcomes

1

Description

Blood Pressure

Timepoint

at minutes 0-2-5-10-15-20-30-45-60

Method of measurement

Milimeter-Mercury(mmHg)by Automatic pressure gauge

Secondary outcomes

1

Description

Vomiting and Nausea

Timepoint

at end surgery

Method of measurement

Observation

Intervention groups

1

Description

After benign anesthesiologically induced in group A have been infusion propofol with dose 50ug/kg/min and group B with dose 100ug/kg/min and it stops 15 minutes before the termination of the operation

Category

Treatment - Drugs

2

Description

Group B: Infusion of propofol with dose 100ug/kg/min and it stops 15 minutes before the termination of the operation

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam KHomeini Hospital

Full name of responsible person

Asadnia Masoud

Street address

School Of Medicine,Ahvaz Jundishapour University Of Medical sciences

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz Jundishapour University Of Medical Sciences

Full name of responsible person

Mostafa Fegghi

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Bolvar Golestan University Of Medical Sciences-Ahvaz

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Ahvaz

Grant name

Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz Jundishapour 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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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