

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of hypertension during hysterectomy surgery under general anesthesia on postoperative pain in hypertensive patients

Protocol summary

Summary

Aim: The effect of hypertension hysterectomy under general anesthesia during surgery on hypertensive patients developed postoperative pain. Design: a randomized, single-blind, single-center, phase II clinical trial. patients with treated chronic hypertension were divided into two groups with normal and upper range arterial blood pressure during surgery. Pain score will be recorded during the first 24 hours of operation. The main inclusion criteria included patients with a history of hypertension treatment. Exclusion criteria included patients with a history of analgesics (narcotic or non-narcotic) during the past week. Patients were divided into two groups with normal and upper range arterial blood pressure during surgery. The main outcome variables: Pain

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015112916151N4**

Registration date: **2017-06-14, 1396/03/24**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-06-14, 1396/03/24

Registrant information

Name

Alireza Pournajafian

Name of organization / entity

Iran University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Iran University of Medical Sciences

Expected recruitment start date

2017-05-22, 1396/03/01

Expected recruitment end date

2017-07-23, 1396/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of hypertension during hysterectomy surgery under general anesthesia on postoperative pain in hypertensive patients

Public title

Effect of intraoperative hypertension on pain after surgery.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: patients with a history of hypertension treatment. Exclusion criteria: patients with history of analgesics (narcotic or non-narcotic) during the past week; drug addiction; Chronic Pain; known cardiovascular; massive bleeding during surgery .

Age

From **40 years** old to **65 years** old

Gender

Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **100**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Iran University of Medical Sciences

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Postal code

Approval date

2010-06-01, 1389/03/11

Ethics committee reference number

94/105/1387/3

Health conditions studied

1

Description of health condition studied

Heart disease

ICD-10 code

R68.0

ICD-10 code description

Hypothermia, not associated with low environmental temperature

Primary outcomes

1

Description

Pain

Timepoint

During treatment

Method of measurement

Based on a visual scale VAS

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Intraoperative arterial blood pressure of patients is maintained in the high range.

Category

Treatment - Drugs

2

Description

Control group: Intraoperative arterial blood pressure of patients is maintained in the normal range .

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Firuzgar Hospital

Full name of responsible person

Dr. Alireza Purnajafyan

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Iran University of Medical Sciences

Full name of responsible person

Dr Morteza Naserbakht

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

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, Iran 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*

Tehran

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Full name of responsible person

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Position

Assistant Professor

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Resident of Anesthesia

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Hemmat Highway**City****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*