

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

Evaluation of oral Clonidine effects on prevention of post-anesthesia shivering

Protocol summary

Summary

The objective of this study is to investigate the effect of oral clonidine on the post-operative shivering. A total of 60 patients admitted in the Sina hospital and were candidate of general anesthesia for elective surgery were recruited and allocated into intervention or control group. The patients in the intervention and control group received 0.2 mg clonidine and placebo, respectively, two hours prior to the surgery. Two groups were evaluated in terms of incidence and intensity of shivering.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902083773N2**

Registration date: **2011-01-13, 1389/10/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-01-13, 1389/10/23

Registrant information

Name

Farsad Imani

Name of organization / entity

Tehran University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 21 4469 0816

Email address

imanifar@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2004-08-31, 1383/06/10

Expected recruitment end date

2005-08-31, 1384/06/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of oral Clonidine effects on prevention of post-anesthesia shivering

Public title

Evaluation of oral Clonidine effects on prevention of post-anesthesia shivering

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Age 16-80 years, A.S.A I-II, elective surgery, Exclusion criteria: Hypotension (B.P. < 80 mmHg), hypertensive (B.P.> 140/95 mmHg), cardiac, renal or liver disease, addiction, previous clonidine usage, pregnancy

Age

From **16 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

N/A

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

Tehran University of Medical Sciences-

Street address

Ghods St., Keshavarz Blvd.

City

Tehran

Postal code

Approval date

2010-08-01, 1389/05/10

Ethics committee reference number

89/S/130/629

Health conditions studied

1

Description of health condition studied

post-anesthesia shivering

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

shivering

Timepoint

End of Anesthesia (Recovery room)

Method of measurement

Crossley & Mahajan shivering score

Secondary outcomes

1

Description

Mean blood pressure

Timepoint

During operation

Method of measurement

sphygmomanometer

2

Description

SpO2

Timepoint

During operation

Method of measurement

Pulse oximetry

3

Description

Heart rate

Timepoint

During operation

Method of measurement

Cardiac monitoring

4

Description

Emergence from anesthesia

Timepoint

At the end of anesthesia

Method of measurement

Time (minute) emergence from anesthesia

Intervention groups

1

Description

0.2 milligram clonidine tablet will be administered to intervention group before the anesthesia.

Category

Treatment - Drugs

2

Description

Placebo tablet will be administered to control group before the anesthesia.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Sina Hospital

Full name of responsible person

Farsad Imani, Anesthesiologist, Assistant professor

Street address

Imam Khomeini St. hasanabad Sq. Sina Hospital.

Farsad Imani

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences and Health Services

Full name of responsible person

Farsad Imani, Anesthesiologist, Assistant Professor

Street address

Imam Khomeini St. Hasanabad Sq. Sina Hospital

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tehran University of Medical Sciences and Health Services

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**

Tehran University of Medical Sciences, Anesthesia Group

Full name of responsible person

Farsad Imani, Anesthesiologist, Assistant Professor

Position

Assistant Professor of Anesthesiology

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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