Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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

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Farsad Imani
Name of organization / entity
Tehran University of Medical Sciences and Health Services
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Iran (Islamic Republic of)
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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 Bvd.
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 oximtry

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
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Imam Khomeini St. Hasanabad Sq. Sina Hospital
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Tehran
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
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Person responsible for updating data

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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