

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 May 2026

The effect of low dose oral clonidine on postoperative pain in patients undergoing abdominal hysterectomy

Protocol summary

Summary

The purpose of this study is to evaluate the effects of preoperative administration of oral low dose clonidine on postoperative pain in the women undergoing general anesthesia for abdominal hysterectomy in Shahid Sadoughi hospital in Yazd, Iran. In this randomized double blind trial, 60 women, aged 40-65 years old, and ASA physical status I and II, were assigned into one of the following two groups to receive , oral clonidine 100 microgram , 2 hours before surgery, in the intervention group or placebo in the control group. Pain was assessed through visual analog scale (VAS) at 2, 6, 12, and 24 hours after the surgery.hemodynamic parameters(heart rate, systolic blood pressure)assessed before induction of anesthesia ,immediately and then 5 , 30 minutes after laryngoscopy and intubation and in the recovery room. In addition, the first request of the patient for analgesia, the amount of morphine consumed, and side effects of clonidine (dizziness,headache,pruritis) were evaluated during 24 hours and compared between groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108202963N3**

Registration date: **2012-03-17, 1390/12/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-03-17, 1390/12/27

Registrant information

Name

Shekoufeh Behdad

Name of organization / entity

Shahid Sadoughi University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Shahid Sadoughi University of Medical Sciences

Expected recruitment start date

2011-04-12, 1390/01/23

Expected recruitment end date

2011-10-12, 1390/07/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of low dose oral clonidine on postoperative pain in patients undergoing abdominal hysterectomy

Public title

The effect of oral clonidine on postoperative pain

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: women with American Society of Anesthesia (ASA) physical status I or II who are candidate for elective abdominal hysterectomy, age 40-65years old, BMI <35 Exclusion criteria: patients with mental impairment,chronic pain ,a history of congestive heart failure ,valvular heart disease,renal or hepatic disease,psychiatric disease ,addiction were excluded.

Age

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

Gender

Female

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **60****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Shahid Sadoughi University of Medical Sciences

Street address

Bahonar square

City

Yazd

Postal code**Approval date**

2011-04-12, 1390/01/23

Ethics committee reference number

38523

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

CLONIDINE

ICD-10 code

Y52.5

ICD-10 code description

Other antihypertensive drugs, not elsewhere classified

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

postoperative pain

Timepoint

2,6,12,24 hours postoperatively

Method of measurement

visual analog pain score

2**Description**

the first request of the patient for analgesic

Timepoint

during 24 hours after operation

Method of measurement

in hours

3**Description**

opioid consumption

Timepoint

during 24 hours after operation

Method of measurement

mg morphine

Secondary outcomes**1****Description**

heart rates

Timepoint

before induction of anesthesia ,immediately and then 5 , 30 minutes after laryngoscopy and intubation and in the recovery room

Method of measurement

beats per minute

2**Description**

systolic blood pressures

Timepoint

before induction of anesthesia ,immediately and then 5 , 30 minutes after laryngoscopy and intubation and in the recovery room

Method of measurement

In mnHg by Sphyngomanometer

3**Description**

side effects of clonidine (headache,pruritis,dizziness)

Timepoint

1, 6, 12 and 24 hours after operation

Method of measurement

asking the patient

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

clonidine 100 microgram, orally 2 hours before surgery

Category

Treatment - Drugs

2

Description

placebo 2 hours before surgery

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Sadoughi Hospital

Full name of responsible person

Dr.Shekoufeh Behdad

Street address

Shahid Sadoughi Hospital

City

Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Sadoughi University of Medical Sciences

Full name of responsible person

Dr. Hasan Mozaffari

Street address

Bahonar square

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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

Shahid Sadoughi 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

Contact

Name of organization / entity

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Full name of responsible person

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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