

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Jun 2026

The effects of preoperative administration of oral pregabalin on postoperative pain after abdominal surgeries

Protocol summary

Summary

The purpose of this study was to evaluate the effects of preoperative administration of oral pregabalin on postoperative pain after surgery in the patients undergoing general anesthesia for abdominal surgeries in Shahid Sadoughi hospital in Yazd, Iran. In this randomized double blind trial, 60 patients, aged 40-60 years old, and ASA physical status I and II, were assigned into one of the following two groups to receive pregabalin, 300 milligram 2 hours before surgery, orally in the intervention group or placebo in the control group. Intravenous pump with 20 mg morphine in 100 ml normal saline was used as the analgesic method postoperatively and the patients received morphine as bolus doses according to their requests. Pain was assessed through visual analog scale (VAS) at 2, 6, 12, and 24 hours after the surgery. In addition, the first request of the patient for analgesia, the amount of morphine consumed, and side effects of gabapentin (dizziness, blurred vision, ataxia, nausea, vomiting) were evaluated during 24 hours and compared between groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201408272963N19**

Registration date: **2014-12-26, 1393/10/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-12-26, 1393/10/05

Registrant information

Name

Shekoufeh Behdad

Name of organization / entity

Shahid Sadoughi University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 35 1822 1386

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drbehdad@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Sadoughi University of Medical Sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2014-12-21, 1393/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of preoperative administration of oral pregabalin on postoperative pain after abdominal surgeries

Public title

Evaluation of the effects of preoperative administration of oral pregabalin 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 surgery, age 40-60 years old, BMI < 35. Exclusion criteria: Anaphylaxis reaction to the anesthetic drugs, duration of the operation longer than 2

hours
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)
N/A

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

دانشگاه شهید صدوقی

Street address

میدان باهنر

City

یزد

Postal code

Approval date

2014-09-10, 1393/06/19

Ethics committee reference number

9630

Health conditions studied

1

Description of health condition studied

pregabalin

ICD-10 code

Y46.6

ICD-10 code description

Other and unspecified antiepileptics

Primary outcomes

1

Description

postoperative pain

Timepoint

2,6,12,24 hours postoperatively

Method of measurement

visual analog pain score

Secondary outcomes

1

Description

side effects of pregabalin (dizziness, blurred vision, ataxia, nausea, vomiting)

Timepoint

2, 6, 12 and 24 hours after operation

Method of measurement

asking the patient, physical examination

Intervention groups

1

Description

pregabalin 300 mg orally 2 hours before surgery

Category

Treatment - Drugs

2

Description

placebo at the same time

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, Ebnesina Blv, Yazd, Iran

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

City

Yazd

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
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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