

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jun 2026

The effect of gabapentin in controlling the nausea and vomiting after the laparoscopic cholecystectomy surgery

Protocol summary

Summary

Nausea and vomiting are prevalent after laparoscopic cholecystectomy surgery and it is necessary to find a solution to control it. We evaluate the effect of gabapentin in controlling the nausea and vomiting after laparoscopic cholecystectomy surgery. One of the advantages of this drug is that, it is used single- dose and reduces the request of other analgesics. It has some complication such as confusion and moving disorders and rare cases as leucopenia .105 individuals are randomly selected and divided into 3 groups. Plecebo is given to 35 individuals as a control group. The effect of gabapantin 300 mg is assessed on 35 individuals and the effect of gabapantin 600 mg is evaluated on other 35 individuals. All 3 groups are identically anesthetised and are controlled each 2 hours up to 18 hours and the results are listed in checklist.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104042080N5**

Registration date: **2011-07-22, 1390/04/31**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-07-22, 1390/04/31

Registrant information

Name

Afsaneh Norouzi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 1313 7474

Email address

norouzi.a@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Arak university of medical sciences

Expected recruitment start date

2010-06-22, 1389/04/01

Expected recruitment end date

2011-08-21, 1390/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of gabapentin in controlling the nausea and vomiting after the laparoscopic cholecystectomy surgery

Public title

The effect of gabapentin in controlling the nausea and vomiting after the laparoscopic cholecystectomy surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: the age group of 20-60 years. Exclusion criteria: history of using analgesic and narcotic prior to the surgery; history of chronic lung and heart diseases; history of using corticosteroid; movement disorders; history of smoking; patient who use Gabapentin; history of allergy to gabapentin; people who need N.G tube after exiting the surgery room.

Age

From **20 years** old to **65 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 105

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

Arak university of medical sciences

Street address

Alamol hoda street

City

Arak

Postal code

Approval date

2011-03-14, 1389/12/23

Ethics committee reference number

89-102-7

Health conditions studied

1

Description of health condition studied

laparoscopic cholecystectomy

ICD-10 code

K80

ICD-10 code description

Cholelithiasis

Primary outcomes

1

Description

Nausea

Timepoint

Each 2hour

Method of measurement

Chek list and physical examination and VAS score

2

Description

Vomiting

Timepoint

Each 2 hours

Method of measurement

Chek list and physical examination

Secondary outcomes

1

Description

Motion sickness

Timepoint

Each 2 hours

Method of measurement

Chek list and physical examination

2

Description

Confusion

Timepoint

Each 2 hours

Method of measurement

Chek list and physical examination

Intervention groups

1

Description

Gabapentin tablet (300 mg) is given to the patient 1 hour before the surgery orally with 100 cc water.

Category

Prevention

2

Description

Gabapentin (600 mg) is given to the patient 1 hour before the surgery orally with 100 CC water.

Category

Prevention

3

Description

The placebo tablet is given to the patient 1 hour before the surgery orally with 100 cc water.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr hospital

Full name of responsible person

Dr. Afsaneh Norouzi

Street address

Valiasr hospital

City

Arak

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Arak university of medical sciences

Full name of responsible person

Dr.Changizi Ashtiyani

Street address

Alamol hoda street

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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

Arak 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**

Arak university of medical sciences

Full name of responsible person

Dr. Afsaneh Norouzi

Position

Asistant professor, Anesthesiologist

Other areas of specialty/work**Street address**

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Web page address**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*