

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

The effect of gabapantin in the controlling pain after laparoscopic cholecystectomy

Protocol summary

Summary

Pain is prevalent after laparoscopic cholecystectomy surgery and it is necessary to find out a solution to control it. We evaluate the effect of Gabapantin in controlling the pain 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 disorder and rare cases as leucopenia .70 individuals are randomly selected and divided into 2 groups. Plesebo is given to 35 individuals as a control group; The effect of Gabapantin 300 mg is assessed on the other 35 individuals. All 2 groups are identically anesthetised and are controlled each 2 hours to 18 hours and the results are listed in checklist.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104132080N6**

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 gabapantin in the controlling pain after laparoscopic cholecystectomy

Public title

The effect of gabapantin in the controlling pain after laparoscopic cholecystectomy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age group of 20-60. Exclusion criteria: history of using analgesic and narcotic prior to the surgery; history of chronic lung and heart diseases; history of using Corticostroid; history of moving disorders; history of smoking; patient who use Gabapantin; history of sensitivity to Gabapantine.

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: 70

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

2010-03-08, 1388/12/17

Ethics committee reference number

88-74-1

Health conditions studied

1

Description of health condition studied

colectomy laparoscopy

ICD-10 code

K80

ICD-10 code description

Cholelithiasis

Primary outcomes

1

Description

pain

Timepoint

2 hours

Method of measurement

VAS and check list and physical examination

Secondary outcomes

1

Description

tremor

Timepoint

each 2 hours

Method of measurement

check list and physical examination

2

Description

nausea and vomiting

Timepoint

each 2 hours

Method of measurement

check list physical examination

3

Description

confusion

Timepoint

each 2 hours

Method of measurement

check list and physical examination

Intervention groups

1

Description

300 mg of gabapantin 1 hour before operation.

Category

Prevention

2

Description

placebo 1 hour before operation.

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
City
Arak
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
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Person responsible for updating data

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