Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of Gabapentin on pain reduction after hysterectomy abdominal

Protocol summary

Summary

The objective of this study is to examine the effect of Gabapentin on pain after hysterectomy. The inclusion criteria were: candidate for hysterectomy (elective), intact emotional and psychological health, duration of surgery and anesthesia up to 2 hrs, and patients cooperation. The exclusion criteria were: age over 60, past history of renal disease, seizures, diabetes (IDDM). Study sample was 60. All candidates were taken an informed consent and assigned randomly into two groups of cases (received 1200mg of Gabapenthin) and controls. The drug was prescribed an hour before the operation by a nurse. Both groups received general anesthesia. Then repeated doses were given 2 hr and 4 hrs after the operation. Pain severity was measured based on VAS scale. If the score was over 4, anesthesia dose of 25 mg of Pethidin was given intramuscularly. Severity of pain and emesis was recorded. VAS score and emesis-vomiting incidence were compared by statistical analyses.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138803061946N2**
Registration date: **2010-05-21, 1389/02/31**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-05-21, 1389/02/31

Registrant information

Name

Mandana Mansur Ghanaie

Name of organization / entity

Giulan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13 1322 5624

Email address

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research of Guilan University of Medical Sciences

Expected recruitment start date

2008-12-21, 1387/10/01

Expected recruitment end date

2010-02-19, 1388/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Gabapentin on pain reduction after hysterectomy abdominal

Public title

Effect of Gabapentin on pain reduction after hysterectomy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: candidate for hysterectomy (elective), intact emotional and psychological health, duration of surgery and anesthesia up to 2 hrs, and patients cooperation. Exclusion criteria: age over 60, past history of renal disease, seizures, diabetes (IDDM).

Age

From **30 years** old to **59 years** old

Gender

Female

Phase
2
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
Vice Chancellor for research, Guilan University of Medical Sciences
Street address
Mellat Street, Namjoo Avenue
City
Rasht
Postal code
Approval date
2009-07-14, 1388/04/23
Ethics committee reference number
3092

Health conditions studied

1

Description of health condition studied
Other complications of spinal and epidural anaesthesia during the puerperium
ICD-10 code
O89.5
ICD-10 code description
Other complications of spinal and epidural anaesthesia during the puerperium

Primary outcomes

1

Description
pain reduction
Timepoint
2 hrs and 4 hrs after the operation
Method of measurement
questionnaire, cheklist of VAS scale

Secondary outcomes

1

Description
usage of narcotics
Timepoint
2hrs and 4hrs after the operation
Method of measurement
Questionnaire

2

Description
nausea and vomiting
Timepoint
q one hour for 4 hours then q four hours for 8 hours
Method of measurement
patient's record

Intervention groups

1

Description
Control: Placebo
Category
Placebo

2

Description
Intervention: Gabapenthin 1200mg Po
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Alzahra hospital
Full name of responsible person
Street address
City
Rasht

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for research, Guilan University of Medical Sciences
Full name of responsible person
Dr. Abdolrasol Sobhani
Street address

Mellat St., Namjoo Ave.

City

Rasht

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice Chancellor for research, Guilan 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

Guilan University of Medical Sciences

Full name of responsible person

Mandana Mansuor Ghanaie

Position

Assistant professor

Other areas of specialty/work

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

Name of organization / entity

Reproduction Health Research Center

Full name of responsible person

Seyede Fatemeh Dalil Heirati

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Bs in Midwifery

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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