

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 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 Gabapentin) 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

Guilan University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 13 1322 5624

##### Email address

m\_m\_ghanaie@gums.ac.ir

##### 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, checklist 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: Gabapentin 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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Reproduction Health Research Center

**Full name of responsible person**

Seyede Fatemeh Dalil Heirati

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Bs in Midwifery

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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*