Clinical Trial Protocol
Iranian Registry of Clinical Trials

28 Jul 2026

Evaluation of the effects of gabapentin on pain relief after total abdominal hysterectomy

Protocol summary

Summary

Objective:Evaluation of the effects of gabapentin on pain relief after total abdominal hysterectomy. Design:double blind randomized clinical trial. Setting and conduct: candidates for total abdominal hysterectomy will be randomly assigned in two groups of intervention or placebo.In the intervention group; 800 miligrams of oral gabapentin and in the placebo group, placebo will be administered 1 hour before surgery . The method of anesthesia will be the same for both groups.After finishing the surgery and at the recovery room, 30 miligrams of pethidine will be injected for all subjects(point zero) and pain will be evaluated using Visual Analogue Scale (VAS). Then , in 2, 6, 12 and 24 hours after surgery, pain score according to VAS, and the severity of nausea and vomiting will be recorded. Participants:Inclusion criteria:candidates for total abdominal hysterectomy; age between 35- 60 years old. Exclusion criteria:history of known psychiatric disorders; drug abuse; patients with chronic pain. Interventions:In the intervention group; 800 miligrams of oral gabapentin and in the placebo group, placebo will be administered 1 hour before surgery. Main outcome: pain relief.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201603172624N20**
Registration date: **2016-04-08, 1395/01/20**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-04-08, 1395/01/20

Registrant information

Name

Maryam Kashanian

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Investigator.

Expected recruitment start date

2015-04-07, 1394/01/18

Expected recruitment end date

2016-04-20, 1395/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effects of gabapentin on pain relief after total abdominal hysterectomy

Public title

Pain relief effects of gabapentin after surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: candidates for total abdominal hysterectomy; age between 35- 60 years old. Exclusion criteria:history of known psychiatric disorders; drug abuse; patients with chronic pain.

Age

From **35 years** old to **60 years** old

Gender
Female

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **76**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features
Randomization was performed as stratified block randomization.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Iran.University of Medical Sciences
Street address
Hemmat highway, Chamran Cross
City
Tehran
Postal code
Approval date
2014-10-21, 1393/07/29
Ethics committee reference number
93/3393 /105/د

Health conditions studied

1

Description of health condition studied
Pain after hysterectomy
ICD-10 code
N00-N99
ICD-10 code description
Diseases of the genitourinary system

Primary outcomes

1

Description
Pain .
Timepoint
2, 6, 12 , 24 hours.
Method of measurement
VAS

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: gabapentin administration 1 hour before surgery.
Category
Treatment - Drugs

2

Description
Control group: placebo administration 1 hour before surgery.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Akbarabadi Teaching Hospital
Full name of responsible person
Maryam Kashanian
Street address
Molavi avenue, Molavi Cross Road.
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research ,Iran University of Medical Sciences.
Full name of responsible person
Dr Seyed Ali Javad Mousavi
Street address
Hemmat High way, Junction of Chamran Highway.
City
Tehran
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 ,Iran 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
Iran University of Medical Sciences

Full name of responsible person
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Position
Professor.

Other areas of specialty/work

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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