

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jun 2026

Gabapentin effect on preventing of nausea and vomiting in cesarean

Protocol summary

Summary

The aim of this study was to evaluate the effects of gabapentin in preventing nausea and vomiting after spinal anesthesia in cesarean delivery. This study as a double-blind clinical trial was done on 200 candidates of cesarean with a random distribution for a period of four months. Inclusion criteria was pregnant women candidates for elective Caesarean section & Exclusion criteria were patients who history of corticosteroid medications before surgery Antinausea; history of narcotics. Patients were divided into two groups. Treatment group received 600 mg capsule (gabapentin) 1 hour before surgery and the control group received placebo. Primary outcome were nausea and vomiting. Nausea, according to fourth scale of (high, medium, low or not) and vomiting on a binary scale (yes and no), every hour to 4 hours after the withdrawal of mother from the recovery section.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013031211581N3**

Registration date: **2014-09-27, 1393/07/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-09-27, 1393/07/05

Registrant information

Name

Rahmatallah Jadidi

Name of organization / entity

Arak University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3641

Email address

dr.jadidi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Voice Chancellor Education & Research of Arak University of Medical Science

Expected recruitment start date

2012-12-04, 1391/09/14

Expected recruitment end date

2013-03-19, 1391/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Gabapentin effect on preventing of nausea and vomiting in cesarean

Public title

The effect of Gabapentin on preventing the nausea and vomiting of patients after spinal anesthesia in the surgery of cesarean

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women candidates for elective Caesarean section Exclusion criteria: patients who undergo surgery have complication: contraindication to gabapentin; history of corticosteroid medications before surgery Antinausea; history of narcotics before surgery

Age

From **15 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **200**

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**

Ethics Committee of Arak University of Medical Science

Street address

Arak University of Medical Science, Sardasht, Arak

City

Arak

Postal code**Approval date**

2012-12-03, 1391/09/13

Ethics committee reference number

91-138-7

Health conditions studied**1****Description of health condition studied**

Nausea and Vomiting after Spinal Anesthesia in Cesarean

ICD-10 code

O74

ICD-10 code description

Complications of anaesthesia during labour and delivery

Primary outcomes**1****Description**

Nausea and Vomiting

Timepoint

every hour until 4 hours

Method of measurement

Nausea, according to fourth scale (high, medium, low or not) and vomiting on a binary scale (yes and no),

frequency of vomiting

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group:giving 600 mg Gabapentin capsules with 150 cc of water 1 hour before surgery.

Category

Prevention

2**Description**

Control group: placebo

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Taleghani Hospital

Full name of responsible person

Afsaneh Norouzi

Street address

Anesthesia Ward, Taleghani Hospital, Arak

City

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

Arak University of Medical Science

Full name of responsible person

Dr. Saeid Changizi Ashtiani, Teaching and Research Assistant, Arak University of Medical Science

Street address

Arak University of Medical Science, Sardasht, Arak

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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 Science

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 Science

Full name of responsible person

Fereshteh Memari

Position

Expert of Anesthesiology

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

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Full name of responsible person

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Position

Assistant Professor

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

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Full name of responsible person

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Position

Anesthesiologist

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City

Arak

Postal code**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