

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

13 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**

Arak

**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

**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 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

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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**

Dr.Afsaneh Norouzi

**Position**

Anesthesiologist

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Operating Room, Amirkabir Hospital, Arak

**City**

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**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*