

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

The effect of metoclopramide, propofol and dexamethasone in controlling nausea and vomiting during spinal anesthesia for cesarean section

Protocol summary

Summary

This study is a clinical trial. Sampling is from referred people to Azad university hospitals of Tehran. Objectives of the study include the identification of more effective drugs to control nausea and vomiting during spinal anesthesia for cesarean section; determine the relationship between age and anti-nausea drugs; determine the relationship between body weight and anti-nausea drugs. Samples collect from 144 people and all the pregnant women who were referred to hospitals for cesarean section. Inclusion criteria having no problems during pregnancy including gestational hypertension; placenta abruption; fetal distress. Patients after obtaining written consent were randomly assigned into one of the groups received propofol, metoclopramide, dexamethasone and distilled water are placed in four groups of 36 people, and they will be controlled severity of nausea and vomiting after surgery. The results lead to improved maternal and increase the quality of the newborn in the first minutes.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016072729103N1**

Registration date: **2016-09-18, 1395/06/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-09-18, 1395/06/28

Registrant information

Name

bahareh safarian

Name of organization / entity

azad university

Country

Iran (Islamic Republic of)

Phone

+98 21 8868 5262

Email address

bahar.sa@iau-shahrood.ac.ir

Recruitment status

Recruitment complete

Funding source

Azad university hospitals of Tehran

Expected recruitment start date

2015-11-22, 1394/09/01

Expected recruitment end date

2016-06-21, 1395/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of metoclopramide, propofol and dexamethasone in controlling nausea and vomiting during spinal anesthesia for cesarean section

Public title

The effect of metoclopramide, propofol and dexamethasone in controlling nausea and vomitin for cesarean section

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: lack of hypertension in pregnancy; motion sickness; active bleeding; fetal distress; placental abruption; placenta Peravia; history of the gastrointestinal disease; systolic blood pressure less than 90 or hypotension more than 30% of the initial pressure. There is not any exclusive criteria.

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **144**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not 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 shahrood university of medical sciences

Street address

Hafta tir square, Shahrood

City

Shahrood

Postal code**Approval date**

2015-12-22, 1394/10/01

Ethics committee reference number

ir.shmu.rec.1394.147

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

nausea vomiting

ICD-10 code

R11

ICD-10 code description

nausea and vomiting

2**Description of health condition studied**

Vomiting

ICD-10 code

K91.9

ICD-10 code description

Postprocedural disorder of digestive system, unspecified

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

nausea

Timepoint

Recovery; first,third, sixth and twelfth hour after surgery and before discharge

Method of measurement

mild modereate sever

2**Description**

vomiting

Timepoint

Recovery; first, third, sixth and twelfth hour after surgery and before discharge

Method of measurement

yes or no

Secondary outcomes

empty

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

Metoclopramide 0.1 mg/kg IV

Category

Treatment - Drugs

2**Description**

Dexamethasone 150 ug/kg IV

Category

Treatment - Drugs

3**Description**

Propofol 0.1 mg/kg IV

Category

Treatment - Drugs

4**Description**

Normal saline 2ml IV

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Amiralmomenin hospital

Full name of responsible person

Street address

City

Tehran

2

Recruitment center

Name of recruitment center

Bouali hospital

Full name of responsible person

Street address

City

Tehran

3

Recruitment center

Name of recruitment center

Javaheri hospital

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of research and technology at azad university of Tehran

Full name of responsible person

Dr Hasan Ardebili

Street address

Islamic azad university, Khaghani street, Shariati street,, Tehran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Deputy of research and technology at azad university of Tehran

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

Amiralmomenin hospital

Full name of responsible person

Dr Sarabandi

Position

Pediatric doctor

Other areas of specialty/work

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Amiralmomenin hospital, Shirmohamadi street, Nazi abad street, Tehran

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Islamic azad university of Shahrood

Full name of responsible person

Lila Khojasteh

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Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

Name of organization / entity

Azad university of Shahrood

Full name of responsible person

Dr Noori

Position

Anesthesiologist doctor

Other areas of specialty/work

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City

Shahrood

Postal code

Phone

+98 23339661

Fax

Email

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