Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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
Hafte 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
Street address
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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Khatamalanbia hospital, University boulevard, Shahrood
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Shahrood
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Email
drlilakhojaste@yahoo.com
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
Street address
City
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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