Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The effect of ginger versus metoclopramid in prevention of nausea and vomiting in patients undergoing cesarean section with spinal anaesthesia

Protocol summary

Summary

The aim of this study is the evaluation of the efficiency of ginger Vs.metoclopramid in prevention of postoperative nausea and vomiting and intraoprative nausea and vomiting in patients undergoing cesarean selection. This study is clinical trial. Inclusion criteria: 18-40 years old patients undergoing cesarean with spinal. Exclusion criteria: Any history of an allergy of metoclopramid and ginger; any history of any gastrointestinal surgery on stomach, upper GI and gall bladder; any history of bleeding disorder (haemophilia, ITP); any contraindication to intrathecal or epidural anaesthesia (Arnold- chiari); high risk patient for anaesthesia (ASA III, IV); any history of using anaesthesia drugs and metoclopramid doses at 24 hours befor the surgery. 180 pregnant woman who candidate for elective cesarean with spinal anaesthesia, woman randomly assigned into 2 groups: ginger and metoclopramid. Woman in ginger group received 1 gr capsule and metoclopramid group received 10 mg ampule of metoclopramid both 30 minutes before induction of anaesthesia. The number of nausea and vomiting is measured at 1, 2, 6, 24 hours post operatin and registered.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201611028611N3**
Registration date: **2017-01-31, 1395/11/12**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-01-31, 1395/11/12

Registrant information

Name

Hamideh Pakniat

Name of organization / entity

Qazvin University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Qazvin University of Medical Science

Expected recruitment start date

2016-10-23, 1395/08/02

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of ginger versus metoclopramid in prevention of nausea and vomiting in patients undergoing cesarean section with spinal anaesthesia

Public title

The effect of ginger versus metoclopramid in prevention of nausea and vomiting in patients undergoing cesarean section with spinal anaesthesia

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: 18-40 years old patients undergoing cesarean with spinal anaesthesia. Exclusion criteria: Any history of an allergy to metoclopramid and ginger; any

history of gastrointestinal surgery on stomach, upper GI and gall bladder; any history of bleeding disorder (haemophilia, ITP); any contraindication to intrathecal or epidural anaesthesia (Arnold- chiari); high risk patient for anaesthesia (ASA III, IV); any history of using antiemetic drugs and metoclopramid doses at 24 hours befor the surgery.

Age
From **18 years** old to **40 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **180**

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 Qazvin University of Medical Sciences

Street address
Bahonar Blvd, Qazvin, Iran

City
Qazvin

Postal code
3419759811

Approval date
2015-11-08, 1394/08/17

Ethics committee reference number
IR.QUMS.REC.1394.205 , 28/20/11114

Health conditions studied

1

Description of health condition studied
pregnancy

ICD-10 code
o08

ICD-10 code description
normal pregnancy

Primary outcomes

1

Description
Times of nausea

Timepoint
Evaluate and record during the operation and 1, 2, 6 and 24 hours after surgery.

Method of measurement
Self-report tool

2

Description
Severity of Vomiting

Timepoint
Evaluate and record during the operation and 1, 2, 6 and 24 hours after surgery.

Method of measurement
Self-report tool

Secondary outcomes

empty

Intervention groups

1

Description
Intervention/Control 1: First group received 1 gr ginger capsule (product of Dineh pharmaceutical company.Qazvin)30 minutes before induction of anaesthesia

Category
Treatment - Drugs

2

Description
Intervention/Control 2 : Second group received 10 mg ampule of metoclopramid (product of Caspian pharmaceutical company.Gilan)30 minutes before induction of anaesthesia.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Kowsar Hospital

Full name of responsible person
Hamideh Pakniat

Street address
Kowsar Hospital, Taleghani St, Qazvin, Iran

City

Qazvin

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-Chancellor for Research of Qazvin University of Medical Sciences
Full name of responsible person
Dr. Naser taghi poor farivar
Street address
Iran, Qazvin, Bahonar Blvd
City
Qazvin
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 of Qazvin 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
Kowsar Hospital
Full name of responsible person
Dr Hamideh Pakniat
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Person responsible for updating data

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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