

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 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 intraoperative nausea and vomiting in patients undergoing cesarean section. 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 before the surgery. 180 pregnant women who are candidates for elective cesarean with spinal anaesthesia, women randomly assigned into 2 groups: ginger and metoclopramid. Women in the 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-operation 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

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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 before 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

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

Position

Asistant Professor, Department of Obstetrics and Gynecology Qazvin University of Medical Sciences

Other areas of specialty/work

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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