Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

The effect of ginger extract on the incidence and severity of nausea and vomiting after cesarean section under spinal anesthesia

Protocol summary

Summary

The Goal of study is determine the effect of ginger extract on the incidence and severity of nausea and vomiting after cesarean section under spinal anesthesia. In this randomized clinical trial, 92 pregnant women who underwent cesarean section under spinal anesthesia were divided in two groups of control and intervention. Patients should be alert, have class 1 and class 2 of America Society of Anesthesiology (ASA) without any infection or bleeding and ulcers in the area of spinal and without any relative or absolute limitation for spinal anesthesia. The intervention group received 25 drops of ginger extract in 30 cc of water and the control group only received 30 cc of water one hour before surgery. The incidence and severity of nausea and vomiting during the surgery, 2 and 4 hours after the surgery was assessed by self report scale

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016042719359N3**
Registration date: **2016-05-13, 1395/02/24**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-05-13, 1395/02/24

Registrant information

Name

Hossein Zeraati

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 58 3151 0000

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research, North Khorasan University of Medical Sciences

Expected recruitment start date

2016-03-20, 1395/01/01

Expected recruitment end date

2016-09-22, 1395/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of ginger extract on the incidence and severity of nausea and vomiting after cesarean section under spinal anesthesia

Public title

The effect of ginger extract on the incidence and severity of nausea and vomiting

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: patients should be alert; having class 1 and class 2 of America Society of Anesthesiology (ASA) score; without any infection or bleeding and ulcers in the area of spinal; without any relative or absolute limitation for spinal anesthesia Exclusion criteria: the patient who referred for cesarean section with a drop in the fetal heart rate, placenta detachment, and placenta previa; the patients who weigh more than 90 kg; diabetics; with underlying gastrointestinal disease; those who had used anti-nausea and anti-vomiting drugs in pre-operative 24

hours before the surgery; those who were not fasting; those with middle ear disease; those who had more than 20% of baseline drop in blood pressure after spinal anesthesia; the patients with gestational hypertension; history of pelvic surgery except caesarean section; history of nausea and vomiting during the past 24 hours

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: **92**

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 North Khorasan University of Medical Sciences

Street address
Vice Chancellor for Research of North Khorasan University of Medical Sciences, Bojnurd

City
Bojnurd

Postal code

Approval date
2012-10-27, 1391/08/06

Ethics committee reference number
91/60/1700

Health conditions studied

1

Description of health condition studied
Pregnancy

ICD-10 code
O08

ICD-10 code description
normal pregnancy

Primary outcomes

1

Description
Severity of nausea

Timepoint
During the surgery, 2 hour after the surgery, 4 hour after the surgery

Method of measurement
self-report scale

2

Description
Severity of vomiting

Timepoint
During the surgery, 2 hour after the surgery, 4 hour after the surgery

Method of measurement
self-report scale

Secondary outcomes

1

Description
The incidence of nausea and vomiting

Timepoint
During the surgery, 2 hour after the surgery, 4 hour after the surgery

Method of measurement
Self-report scale

Intervention groups

1

Description
In the intervention group, 25 drops of oral drops containing gingerextract was poured in 30 cc of tap water in a glass and was given to the patients one hour before surgery

Category
Treatment - Drugs

2

Description
The control group received 30 cc of tap water in a glass one hour before surgery

Category
Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Bentolhoda Hospital

Full name of responsible person

Javad Shahinfar
Street address
ZAyeshgah Ave, Bojnurd, Iran
City
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for Research, North Khorasan University of Medical Sciences
Full name of responsible person
Alireza Golshan
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Vice Chancellor for Research, North Khorasan University of Medical Sciences, Bojnurd, Iran
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Bojnurd
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, North Khorasan 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

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Name of organization / entity
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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