# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

25 Nov 2026

## acupuncture effects in the prevention of nausea and vommiting after spinal anesthesia

## Protocol summary

**Study aim**
Determination of the effects of acupuncture in the prevention of nausea and vomiting after cesarean section

**Design**
Clinical trial with control group, with parallel groups, on 99 patients.

**Settings and conduct**
This study will be performed in Khatam Al-Anbia Hospital in Shahroud. Group (A) will be treated with acupuncture. To group (b) We will give metoclopramide (10 mg or 15.0 kg / mg ampoule). Group (c) will also be witnesses.Next we will examine nausea and vomiting. The location of the needles will be as follows: GB20: head difference (one number) Shenmen: small triangle above the eardrum (half of the trunk of the upper roof of the eardrum) (2 pcs) Li4: crease between thumb and forefinger tangential to palm (2 pcs) PC6: Wrist crease (2 (2cun finger)) higher than wrist crease adjascent to palmaris longus tendon(2pcs)

**Participants/Inclusion and exclusion criteria**
Inclusion criteria included: Patient informed consent, Single pregnancy, Multipariet (after cesarean section) and without any organ disease and Exclusion criteria including a history of recent nausea and vomiting (due to any disease), Noli Parity, History Use of recent anti-nausea, antihypertensive, sedatives and H2 antagonists, history of postoperative nausea and vomiting, substance or drug abuse addicts, and unwillingness to continue cooperation.

**Intervention groups**
Pregnant mothers will be divided into 3 groups of 33 people. Group (a) will be treated with acupuncture. To group (b) We will give metoclopramide (10 mg or 15.0 mg/kg ampoule). Group (c) will also be witnesses.

**Main outcome variables**
Prevention of nausea and vomiting after spinal anesthesia

## General information

**Reason for update**

**Acronym**

**IRCT registration information**
IRCT registration number: **IRCT20201219049770N1**
Registration date: **2021-01-12, 1399/10/23**
Registration timing: **registered_while_recruiting**

Last update: **2021-01-12, 1399/10/23**
Update count: **0**

**Registration date**
2021-01-12, 1399/10/23

**Registrant information**
**Name**
Nasim Firouzi
**Name of organization / entity**
**Country**
Iran (Islamic Republic of)
**Phone**
+98 23 8670 5503
**Email address**
najibfarrokhy@yahoo.com

**Recruitment status**
**Recruitment complete**

**Funding source**

**Expected recruitment start date**
2020-01-23, 1398/11/03

**Expected recruitment end date**
2021-01-19, 1399/10/30

**Actual recruitment start date**
empty

**Actual recruitment end date**
empty

**Trial completion date**
empty

**Scientific title**

acupuncture effects in the prevention of nausea and vommiting after spinal anesthesia

**Public title**
The effect of acupuncture on the prevention of nausea and vomiting after cesarean section
**Purpose**
Treatment
**Inclusion/Exclusion criteria**
**Inclusion criteria:**
Patient informed consent Single term pregnancy Multipariety (second cesarean section onwards) Without any organ disease
**Exclusion criteria:**
A recent history of nausea and vomiting due to any illness Nuliparity History of taking antiemetic drugs History of taking antihypertensive drugs History of taking sedatives History of postoperative nausea and vomiting Addicts with drug or drug use
**Age**
No age limit
**Gender**
Female

**Phase**
N/A
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **99**
**Randomization (investigator's opinion)**
Not randomized
**Randomization description**
**Blinding (investigator's opinion)**
Not blinded
**Blinding description**
**Placebo**
Not used
**Assignment**
Parallel
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**
**Name of ethics committee**
Ethics committee of Islamic Azad University-Shahrood branch
**Street address**
Khatamolanbial Hospital,Tehran Ave
**City**
Shahrood
**Province**
Semnan
**Postal code**
3614871151
**Approval date**
2020-05-02, 1399/02/13
**Ethics committee reference number**
IR.IAU.SHAHROOD.REC.1399.009

## Health conditions studied

### 1

**Description of health condition studied**
Acupuncture
**ICD-10 code**
**ICD-10 code description**

## Primary outcomes

### 1

**Description**
Incidence of nausea and vomiting based on questions from the patient
**Timepoint**
Nausea and vomiting will occur in the first hour in the recovery room and in the second hour in the women's ward.
**Method of measurement**
Explain the nausea and vomiting to the patient and then ask about the condition

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
Intervention group 1: This group will be treated with acupuncture. The location of the needles will be as follows: GB20: head difference (one number) Shenmen: small triangle above the eardrum (hemisphere of the upper roof triangle (2 pcs.) Li4: crease between thumb and forefinger tangential to palm (2 pcs.) PC6: Wrist crease (2 (2cun finger)) above the wrist crease adjacent to Palmaris longus muscle tendon (2 pcs)
**Category**
Prevention

### 2

**Description**
Intervention group 2: This group will be given metoclopramide (10 mg or 0.15 mg per kg body weight)
**Category**
Prevention

### 3

**Description**
Control group: Patients in this group do not receive any medication.
**Category**

Prevention

## Recruitment centers

**1**

**Recruitment center**

**Name of recruitment center**
Khatamolanbia Hospital
**Full name of responsible person**
Yousef Kolookhy
**Street address**
Khatamolanbia Hospital,Tehran Ave
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Shahrood
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3614871151
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najibfarrokhy@yahoo.com

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**
Islamic Azad University
**Full name of responsible person**
Behrooz Yahiaie
**Street address**
Khatamolanbia Hospital,Tehran Ave
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**Grant name**

**Grant code / Reference number**

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

**Title of funding source**
Islamic Azad University

**Proportion provided by this source**
100

**Public or private sector**
Private

**Domestic or foreign origin**
Domestic

**Category of foreign source of funding**
*empty*

**Country of origin**

**Type of organization providing the funding**
Academic

## Person responsible for general inquiries

**Contact**

**Name of organization / entity**
Islamic Azad University
**Full name of responsible person**
Yousef Kolookhy
**Position**
Assistant professor
**Latest degree**
Specialist
**Other areas of specialty/work**
Anesthesiology
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## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**
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Assistant professor
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## Person responsible for updating data

**Contact**

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Islamic Azad University
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**Position**
Medical student
**Latest degree**
A Level or less
**Other areas of specialty/work**
General Practitioner
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## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**
Undecided - It is not yet known if there will be a plan to make this available
**Study Protocol**
Undecided - It is not yet known if there will be a plan to make this available
**Statistical Analysis Plan**
Undecided - It is not yet known if there will be a plan to make this available
**Informed Consent Form**
Undecided - It is not yet known if there will be a plan to make this available
**Clinical Study Report**
Undecided - It is not yet known if there will be a plan to make this available
**Analytic Code**
Undecided - It is not yet known if there will be a plan to make this available
**Data Dictionary**
Undecided - It is not yet known if there will be a plan to make this available