

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 2026

### Comparison of the effect of acupuncture and metoclopramide on the postoperative nausea and vomiting in gynecological laparoscopy

#### Protocol summary

##### Summary

Objectives: To comparison of the effect of acupuncture and metoclopramide on postoperative nausea and vomiting after gynecological laparoscopy. Design: a double blinded randomized clinical trial. Setting and conduct: All eligible women patients who was candidate for laparoscopy and referred to the Imam Khomini Hospital during the study period enrolled in to the trial. Inclusion criteria: (a) candidate for Gynecological Laparoscopy; (b) age of 19 to 46 years. Exclusion criteria: (a) smoking; (b) motion sickness; (c) antiemetic medications 24 hours prior to surgery; (d) presence of scar or infection at site of needling on wrist or elbow; (e) history of gastrointestinal disorder or ear diseases that may lead to nausea or vomiting; (f) prolongation of surgery longer than two hours. Intervention: Performing acupuncture through inserting special needle at point of P6 in front of the elbow immediately after anesthesia and removing it before intubation and transferring the patient to the recovery room. Control: Prescribing single dose of metoclopramide 0.2 mg/kg intravenously before intubation and transferring the patient to the recovery room. Primary outcome: Assessing the number of times nausea and vomiting occur during the period that the patient stays in recovery room through question or clinical observation. Secondary outcome: local reaction at site of acupuncture needle during the period that the patient stays in recovery room through clinical examination.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2017012217268N4**

Registration date: **2017-01-30, 1395/11/11**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-01-30, 1395/11/11

##### Registrant information

###### Name

Vahid Saidkhani

###### Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 61 1321 9101

###### Email address

v.saidkhani@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice Chancellor for Research, Ahvaz Jundishapur University of Medical Sciences

##### Expected recruitment start date

2007-07-08, 1386/04/17

##### Expected recruitment end date

2008-01-07, 1386/10/17

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of the effect of acupuncture and metoclopramide on the postoperative nausea and vomiting in gynecological laparoscopy

##### Public title

Comparison of the effect of acupuncture and metoclopramide on the postoperative nausea and

vomiting in gynecological laparoscopy

#### **Purpose**

Treatment

#### **Inclusion/Exclusion criteria**

Inclusion criteria: (a) candidate for gynecological laparoscopy; (b) age of 19 to 46 years. Exclusion criteria: (a) smoking; (b) motion sickness; (c) antiemetic medications 24 hours prior to surgery; (d) presence of scar or infection at site of needling on wrist or elbow; (e) history of gastrointestinal disorder or ear diseases that may lead to nausea or vomiting; (f) prolongation of surgery longer than two hours.

#### **Age**

From **19 years** old to **46 years** old

#### **Gender**

Female

#### **Phase**

N/A

#### **Groups that have been masked**

*No information*

#### **Sample size**

Target sample size: **123**

#### **Randomization (investigator's opinion)**

Randomized

#### **Randomization description**

#### **Blinding (investigator's opinion)**

Double blinded

#### **Blinding description**

#### **Placebo**

Used

#### **Assignment**

Parallel

#### **Other design features**

### **Secondary Ids**

empty

### **Ethics committees**

#### 1

##### **Ethics committee**

###### **Name of ethics committee**

Ahvaz Jundishapur University of Medical Sciences

###### **Street address**

Ahvaz. Highway Golestan, Jundishapur University of Medical Sciences

###### **City**

Ahvaz

###### **Postal code**

##### **Approval date**

2007-07-07, 1386/04/16

##### **Ethics committee reference number**

p/8/20/3664

### **Health conditions studied**

#### 1

##### **Description of health condition studied**

postoperative nasuea and vomiting

#### **ICD-10 code**

k91.0

#### **ICD-10 code description**

Vomiting following gastrointestinal surgery

### **Primary outcomes**

#### 1

##### **Description**

number of times vomiting occur

##### **Timepoint**

during the period that the patient stays in recovery room and ward

##### **Method of measurement**

through question and clinical observation

### **Secondary outcomes**

#### 1

##### **Description**

local reaction at site of acupuncture needle

##### **Timepoint**

during the period that the patient stays in recovery room

##### **Method of measurement**

through clinical examination

### **Intervention groups**

#### 1

##### **Description**

Intervention Group : Performing acupuncture through inserting special needle at point of P6 in front of the elbow immediately after anesthesia and removing it before intubation and transferring the patient to the recovery room.

##### **Category**

Treatment - Other

#### 2

##### **Description**

Control Group : Prescribing single dose of metoclopramide 0.2 mg intravenously before intubation and transferring the patient to the recovery room.

##### **Category**

Treatment - Drugs

### **Recruitment centers**

#### 1

##### **Recruitment center**

###### **Name of recruitment center**

Imam Khomani Hospital

###### **Full name of responsible person**

Masoumeh Alboghobish

###### **Street address**

Imam Khomeini Hospital, Azadegan St.

**City**  
Ahvaz

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**  
Vice Chancellor for Research, Ahvaz Jundishapur  
University of Medical Sciences

**Full name of responsible person**  
Dr Behzad Sharif Makhmalzadeh

**Street address**  
Vice Chancellor for Research, Ahvaz Jundishapur  
University of Medical Sciences

**City**  
Ahvaz

**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, Ahvaz Jundishapur  
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**  
Ahvaz Jundishapur University of Medical Sciences

**Full name of responsible person**  
Masoomeh Alboghobeish

**Position**  
MSc of Anesthesiology, Faculty Member

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

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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*