

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

The Preventive effectiveness of dry cupping on Post Operative Nausea and Vomiting (PONV) through P6 Acupoint Stimulation; a Randomized Controlled Trial

Protocol summary

Summary

(1) Background and Introduction: Post Operative Nausea and Vomiting (PONV) is a common complication of anesthesia and surgery in thirty percent cases under general anesthesia is a significant event. Some Complementary & Alternative medicine (CAM) methods were effect on the P6 point in controlling nausea and vomiting. (2) Objectives: Determines the effects of Dry Cupping on prevention of PONV through the stimulation of point P6. (3) Design: Randomized Controlled Trial. (4) Setting and conduct: Study conduct on laparoscopic patients admitted in surgery ward of Imam Reza (AS) Hospital in Kermanshah city. In both groups after the prescript of premedication, (midazolam ten minutes before induction of anesthesia), Cup will put on point P6 in dominant hand. In "experimental group" the negative pressure will activated but in "control group (Sham group)" the negative pressure will be inactive. (5) Participants including major eligibility criteria: Total sample size is two hundred and twelve patients .The sample size is one hundred and six patients for each groups ("experimental group" and "control group").Inclusion criteria Studies using Apfel including: female gender; age over eighteen years; ASA Class I-III; type of surgery laparoscopic cholecystectomy; type of anesthesia General Anesthesia. Exclusion criteria: change the type of surgery (to Laparotomy); ASA Class more than three. (6) Interventions: In intervention group will be received dry cupping on point P6 in dominant hand with activation of negative pressure during operation and twenty hours postoperative. The control group will be received dry cupping on point P6 in dominant hand without activation of negative pressure during operation and twenty hours postoperative. (7) Main outcome measures (variables): The severity of nausea and vomiting after surgery will be measured by Visual analogue Scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102011310N6**
Registration date: **2011-02-24, 1389/12/05**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-02-24, 1389/12/05

Registrant information

Name

Alireza Ahmadi

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 3428 2670

Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2011-01-21, 1389/11/01

Expected recruitment end date

2013-01-20, 1391/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Preventive effectiveness of dry cupping on Post Operative Nausea and Vomiting (PONV) through P6 Acupoint Stimulation; a Randomized Controlled Trial

Public title

The Preventive effectiveness of dry cupping on Post Operative Nausea and Vomiting (PONV) through P6 Acupoint Stimulation

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria Studies using Apfel including: female gender; age over eighteen years; ASA Class I-III; type of surgery laparoscopic cholecystectomy; type of anesthesia General Anesthesia Exclusion criteria: change the type of surgery (to Laparotomy); ASA Class more than three.

Age

From **18 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **212**

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 Kermanshah University of Medical Science

Street address

Building no 2, Shahid Beheshti Boulevard, Kermanshah University of Medical Sciences

City

Kermanshah

Postal code

67188

Approval date

2011-01-15, 1389/10/25

Ethics committee reference number

1800459

Health conditions studied**1****Description of health condition studied**

Vomiting following gastrointestinal surgery

ICD-10 code

K91.0

ICD-10 code description

استفراغ بعد از جراحی دستگاه گوارش

Primary outcomes**1****Description**

Post Operative Nausea and Vomiting (PONV) Post Operative Nausea and Vomiting (PONV)

Timepoint

In three stages: Two hours Post Operative, 2. Six hours Post Operative, 3. Twenty four hours Post Operative

Method of measurement

Visual Analogue Scale (VAS)

Secondary outcomes**1****Description**

The risk of PONV

Timepoint

Before starting of study

Method of measurement

(ARD) Absolute Risk Deference

2**Description**

Prescription of anti-vomiting drugs

Timepoint

In three stages: Two hours Post Operative, 2. Six hours Post Operative, 3. Twenty four hours Post Operative

Method of measurement

NNT (Numbers Need to Treat)

Intervention groups**1****Description**

Intervention group: Dry Cupping on point P6 in dominant hand with activation of negative pressure.

Category

Treatment - Other

2

Description

Control group: Dry Cupping on point P6 in dominant hand without activation of negative pressure.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza (AS) Hospital, Kermanshah

Full name of responsible person

Khosro Farhadi, MD

Street address

Imam Reza (AS) Hospital, Parastar Boulevard

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person

Farid Najafi

Street address

Vice chancellor for research, Kermanshah University of Medical Sciences, Shahid Beheshti Boulevard,

City

Kermanshah

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, Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

Khosro Farhadi, MD

Position

Anesthesiologist

Other areas of specialty/work

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www.emamreza-kermanshah-hospital.ir;

www.kums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Alireza Ahmadi, MD

Position

MD

Other areas of specialty/work

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Full name of responsible person

Mohammad Kameli

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Resident of Anesthesiology

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