Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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

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

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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