

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

The evaluation of acupressure effects in PC6 point on postoperative nausea and vomiting severity and episodes in patients undergoing general surgeries with spinal anesthesia

Protocol summary

Summary

The aim of the study was to evaluate acupressure effects in PC6 point on the severity and episodes of nausea and vomiting in patients of the patients undergoing general surgeries with spinal anesthesia. The subjects would be assigned to 2 groups; intervention and control groups. This study is one-tale blind pilot trial would be performed on 70 patients. In this study, a 10-cm ruler was used to measure the nausea severity after applying special wristband of acupressure branded with C-Band. The severity of nausea would be marked by the patient from zero to ten. As for psychic sense of nausea episodes, the self-report is an appropriate tool to measure it. To assay the vomiting episodes is utilized and ultimately the effects of acupressure on the aforementioned point would be assessed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017061134475N1**

Registration date: **2017-10-31, 1396/08/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-31, 1396/08/09

Registrant information

Name

Isan Darvishi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2017-07-06, 1396/04/15

Expected recruitment end date

2017-08-22, 1396/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The evaluation of acupressure effects in PC6 point on postoperative nausea and vomiting severity and episodes in patients undergoing general surgeries with spinal anesthesia

Public title

Effect of acupressure on nausea and vomiting decrease

Purpose

Prevention

Inclusion/Exclusion criteria

The inclusion criteria: male and female patients aged from 15 to 60 years old; patients undergone general surgeries with spinal anesthesia; passing at least 3 hours after the injection of an analgesic; not taking antimetic medications; not smoking (in accordance with the patient's statement); lack of edema; disease; and skin inflammation on the massage area (lack of peeling discomfort such as eczema and shallow infection of skin

considered as acupuncture limitations); before enrolling in the study; not using other procedures to control nausea and vomiting. The exclusion criteria: complicated surgery in terms of infection and severe pain (if the patient complains of severe pain; he or she has revived analgesic and recorded in the study and would be carried out through face scale pain.); patients with carpal tunnel syndrome; patient with obesity; motion sickness; and history of nausea and vomiting in 24 hours ago; lack of cooperation in every unit of the study.

Age

From **15 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

The sampling method would be on random, then the patients would randomly be assigned to 2 groups.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand Street, Shiraz

City

Shiraz

Postal code

Approval date

2017-05-22, 1396/03/01

Ethics committee reference number

IR.SUMS.6396.31

Health conditions studied

1

Description of health condition studied

Nausea and Vomiting

ICD-10 code

K91.0

ICD-10 code description

Following Gastrointestinal Surgery

Primary outcomes

1

Description

Nausea and Vomiting

Timepoint

1 hour, 3hour and 7 hours after the surgery

Method of measurement

Visual Analog Scale

Secondary outcomes

empty

Intervention groups

1

Description

In the trial group: The special acupuncture wristband with pressing buttons would be applied on both wrists in PC6 point at 4 stages as the following: during the surgery, 1, 3 and 7 hour(s) after the surgery, respectively. The accuracy of applying wristbands in the aforementioned areas in the view of blood flow would be proved through surveying of radial pulse. The wristband would be kept in the desired location for 7 hours, it would be reapplied every 10 minutes for 2 hours if the patient complains of uncomfatability.

Category

Other

2

Description

In the control group: A wristband without any pressing buttons would loosely be applied on both wrists in PC6 point at 4 stages as the following: during the surgery, 1, 3, and 7 hour(s) after the surgery, respectively. The accuracy of applying the wristbands in the aforementioned areas in the view of blood flow would be proved through surveying of radial pulse. The wristband would be left in the desired location for 7 hours, it would be reapplied every 10 minutes for 2 hours if the patient complains of uncomfatability.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra Hospital, Isfahan

Full name of responsible person

Jamshid Eslami

Street address

Namazi Square, Shiraz

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Reserch Shiraz University of Medical Sciences

Full name of responsible person

Dr.Seid Basir Hashemi

Street address

Namazi Square, Shiraz

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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 Reserch Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Isan Darvishi

Position

Master Student Operating Room

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