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 Siences

Country

Iran (Islamic Republic of)

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+98 31452339995

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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 (lake of peeling discomfort such as eczema and shallow infection of skin

considered as acupressure 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 complaints 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 acupressure 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 reaplied every 10 minutes for 2 hours if the patient complains of uncomfortability.

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 uncomfortability.

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
City
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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
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Isan Darvishi
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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