

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

Effect of acupressure of P6 and Le7 acupoints on nausea, vomiting, pain and vital sign patients with appendectomy surgery that referred to Alzahra hospital in Isfahan -1391

Protocol summary

Summary

A randomized controlled clinical trial study will be conducted with the aim of evaluation of the effect of acupressure of P6 and Le7 acu-points on nausea and vomiting, pain and vital signs of post-appendectomy patients. Post appendectomy patients are the participants in the study. A convenience sample of post appendectomy patients will be randomly allocated within the 3 groups. (45 patients in each group). Having an appendectomy surgery and willing to participate in the research are the main criteria for inclusion and occurring a complications during surgery or prolongation of the surgery (more than 2 hours) are the main criteria for excluding the patients from the study. The first group will receive acupressure on p6 acu-point. The second group will receive acupressure on le7 acu-point. The third group includes control group who will receive light pressure on shame points. Acupressure will be applied using an acuband in which a button applies pressure on the concerned acu-point. The intervention begins in the recovery room after full consciousness of the patients. At first, the severity of pain, existing and severity of nausea and vomiting, and the vital signs of the patients will be assessed and recorded in the checklist. Then the acuband will be placed on the concerned acu-point. The acuband will be maintained on the acu-points for seven hours. The severity of pain, existing and the severity of nausea and vomiting, and vital signs of the each patient will be assessed every hours. The severity of pain, severity of nausea and vomiting, and the quality of vital signs are the main outcome measures of the study. Data will be analyzed using t test, ANOVA, chi-square test, Fisher's exact test and kruskal wallis. For all tests, the maximum error of 0.05 will be considered.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112118374N1**
Registration date: **2012-03-24, 1391/01/05**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2012-03-24, 1391/01/05

Registrant information

Name

Mahmood Etri

Name of organization / entity

Khashan university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 31 1780 2017

Email address

etri-m@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kashan University of Medical Sciences

Expected recruitment start date

2012-05-20, 1391/02/31

Expected recruitment end date

2013-02-19, 1391/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of acupressure of P6 and Le7 accupoints on nausea,vomiting, pain and vital sign patients with appendectomy surgery that referred to Alzahra hospital in Isfahan -1391

Public title

Effect of acupressure on nausea,vomiting, pain and vital sign patients with appendectomy surgery.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Willing to participate in the research; having no problem in the concerned limbs that interfere acupressure on p6 or le7 points; age between 20 to 60 years; appendectomy surgery is done; general anesthesia have been applied for the surgery. Exclusion criteria: Unpredicted complications during surgery; prolongation of the surgery (more than 2 hours); experiencing nausea and vomiting during the previous surgeries; using drugs other than those usual drugs; having a recent history of nausea and vomiting associated with acute or chronic diseases (digestive disorders, ear, and ...); addicted to the drugs or/and alcohol; having cancer, diabetes or known gastrointestinal, renal, hepatic, respiratory, cardiovascular diseases; having problems or infections in the acupressure points; having fever

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **135**

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**

Research ethics committee of Kashan university of Medical sciences

Street address

5 km polar Ravandi Blvd

City

Kashan

Postal code

87159/88141

Approval date

2011-12-19, 1390/09/28

Ethics committee reference number

29/5/1/2923

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

Appendicitis

ICD-10 code

K35.8

ICD-10 code description

Acute Appendicitis

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

Nausea

Timepoint

Before closing the bracelet, every one hours for 7 times

Method of measurement

nausea will be measured by visual analog scale

2**Description**

Vomiting

Timepoint

Before closing the bracelet, every one hours for 7 times

Method of measurement

The number of vomiting

3**Description**

Pain

Timepoint

Before closing the bracelet, every one hours for 7 times

Method of measurement

Visual analog scale

4**Description**

vital sign

Timepoint

Before closing the bracelet, every one hours for 7 times

Method of measurement

Blood pressure will measured by Sphygmomanometer,

pulse and breathing by counting in a minute by a hand watch.

Secondary outcomes

empty

Intervention groups

1

Description

The first intervention group will receive acupuncture on p6 acu-point.

Category

Treatment - Drugs

2

Description

The second intervention group will receive acupuncture on le7 acu-point.

Category

Treatment - Drugs

3

Description

The control group will receive pressure on Sham point.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra hospital

Full name of responsible person

Mahmood Etri

Street address

Sofeh Shohada street

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kashan University of Medical Sciences

Full name of responsible person

Gholamali Hamidi

Street address

5th km of the Ravand road

City

Kashan

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, Kashan 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

Kashan University of Medical Sciences

Full name of responsible person

Mahmood Etri

Position

Graduate student of nursing

Other areas of specialty/work

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Person responsible for updating data

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Other areas of specialty/work
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Phone

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