

# 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 be 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

#### Street address

5th km of Ravand road

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8715981191

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etri\_m@kaums.ac.ir; etrimahmood@yahoo.com; adib1344@yahoo.com

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## Person responsible for scientific inquiries

### Contact

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Kashan university of medical sciences

#### Full name of responsible person

Mohsen Adib-Hajbaghery

#### Position

Ph.D

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## Person responsible for updating data

### Contact

**Name of organization / entity**  
Kashan university of Medical sciences  
**Full name of responsible person**  
Mahmood Etri  
**Position**  
Msc student of nursing  
**Other areas of specialty/work**  
**Street address**  
5th km of Ravandi road  
**City**  
Kashan  
**Postal code**  
8715981191  
**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*