

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Protocol summary

Summary

Objective: To compare the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery. The inclusion criteria of this randomized double-blind study are as follows: male patients of 18-60 years and inguinal hernia. The exclusion criteria are as follows: unwillingness to continue participation in the study and incidence of acute medical conditions. Method: The researcher performs acupressure on PC6 and REN 12 points for five minutes 0, 2, 4, and 6 hours after full consciousness (time, place, and person orientation) following the inguinal hernia repair surgery. A collaborator unaware of the points under acupressure examines (Researcher assistant) the incidence, frequency, and severity of nausea and vomiting in patients before each time of acupressure and records them in relevant tables. Patients will be unaware of the type of intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016111530915N1**

Registration date: **2017-04-12, 1396/01/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-04-12, 1396/01/23

Registrant information

Name

Seyyed Roohollah Najjari

Name of organization / entity

Gonabad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 5227 0779

Email address

najjari.r@gmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2016-11-21, 1395/09/01

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Public title

The comparison of the effect of acupressure on PC6 and REN 12 points on patients' nausea and vomiting after inguinal hernia repair surgery.

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: 1- Informed consent for participation in the study, 2- aged 18-60 years, 3- definite diagnosis of inguinal hernia based on patients' medical records, 4- patients with Class 1 or 2 physical status of American Society of Anesthesiologist (ASA) (patients without physical diseases, no biochemical, physiological, or psychological impairment, or mild to moderate systemic disorders not related with the cause of the surgery), 5-

male patients given the prevalence of this surgery in males, 6- no anatomical problems at PC6 and REN 12 points, 7- no history of using acupressure or acupuncture, 8- using general anesthesia, 9- no anti-nausea medications, H2 antagonists, and sedatives, 10- no history of conditions accompanied with acute and chronic nausea and vomiting (digestive and ear disorders, etc.), and 11- no substance or drug abuse. Exclusion criteria: 1- unwillingness to continue participation in the study for any reason and 2- incidence of acute medical conditions during the study.

Age

From **18 years** old to **60 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomization: The patients will be randomly assigned to intervention and control groups using block randomization. Blinding: The observer how will examine the patients will not be aware of the intervention. Patients will be unaware of the type of intervention.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Gonabad University of Medical Sciences

Street address

Gonabad University of Medical Sciences, Next to the Asian Road

City

Gonabad

Postal code

Approval date

2016-11-09, 1395/08/19

Ethics committee reference number

IR.GMU.REC.1395.70

Health conditions studied

1

Description of health condition studied

Nausea and vomiting

ICD-10 code

R11

ICD-10 code description

Vomiting following gastrointestinal surgery

Primary outcomes

1

Description

Nausea

Timepoint

Before the intervention, 2, 4, and 6 hours after the intervention

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

Vomiting

Timepoint

Before the intervention, 2, 4, and 6 hours after the intervention

Method of measurement

Visual Analogue Scale

Intervention groups

1

Description

Performing acupressure on PC6 point for five minutes 0, 2, 4, and 6 hours after full consciousness

Category

Treatment - Other

2

Description

Performing acupressure on REN 12 point for five minutes 0, 2, 4, and 6 hours after full consciousness

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Torbat Heidariyeh Nohom-e Dey Teaching Hospital

Full name of responsible person

Street address

Torbat Heidariyeh Nohom-e Dey Teaching Hospital,
Nurse Boulevard, Torbat Heidariyeh

City

Torbat Heidariyeh

najjari.r@gmu.ac.ir

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Gonabad University of Medical Sciences

Full name of responsible person

Mohammad Mojali

Position

PhD in Nursing Education

Other areas of specialty/work**Street address**

Gonabad University of Medical Sciences, Next to the
Asian Road

City

Gonabad

Postal code**Phone**

+98 51 5722 3514

Fax

00

Email

Mojalli.m@gmu.ac.ir

Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Vice chancellor for research of Gonabad University of
Medical Sciences

Full name of responsible person

Ali Mohammadpour

Street address

Vice chancellor for research of Gonabad University of
Medical Sciences, Next to the Asian Road

City

Gonabad

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 of Gonabad 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**

Gonabad University of Medical Sciences

Full name of responsible person

Seyyed Roohollah Najjari

Position

MSc.Student in Medical Surgical Nursing

Other areas of specialty/work**Street address**

Gonabad University of Medical Sciences, Next to the
Asian Road

City

Gonabad

Postal code**Phone**

+98 51 5227 0779

Fax

00

Email**Person responsible for updating data****Contact****Name of organization / entity**

Gonabad University of Medical Sciences

Full name of responsible person

Seyyed Roohollah Najjari

Position

MSc.Student in Medical Surgical Nursing

Other areas of specialty/work**Street address**

Gonabad University of Medical Sciences, Next to the
Asian Road

City

Gonabad

Postal code**Phone**

+98 51 5227 0779

Fax

00

Email

najjari.r@gmu.ac.ir

Web page address**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